

# “INNOVATION FINDS SOLUTIONS, QUALITY GENERATES PROGRESS”



Energy Management



Radiant Systems



Water Management



Gas Distribution



Renewable Sources



Hydrogen Systems



Fire Protection

---

CATALOGUE INTERNATIONAL 2019



**GIACOMINI**  
WATER E-MOTION

# “CATALOGUE 2019”

---

INTERNATIONAL 022019

---

## Chapter 1

### 12 Radiator system products

Manual radiator valves - Radiator valves with thermostatic option - Radiator valves with thermostatic option with dynamic flow balancing - Radiator valves with thermostatic option and presetting - Radiator valves with increased passage and thermostatic option - Lockshields - Thermostatic heads - Radiator system kit - Polish chrome plated valves - Valves for twin-pipe system - Valves for single-pipe system - Probes - Valves for panel radiators - Accessories - Spare parts for radiator system - Technical and dimensional data

---

## Chapter 2

### Manifolds

- 40 Distribution manifolds - Modular manifolds - Preamsembled manifolds - Mixing units - Thermo-electric actuators and temperature limiters - Cabinets and brackets for manifolds - End pieces and accessories for manifolds - Manifolds for domestic water systems - Modular manifolds for domestic water systems - Cabinets and brackets for manifolds (for domestic water systems) - Spare parts for manifolds - Combination of manifolds and accessories - Technical and dimensional data

---

## Chapter 3

### Ball valves and drain cocks

- 74 Valves for water for heating/cooling systems and not dangerous gas - Valves for dangerous gas - Valves specific for domestic water use - Valves with alternative threads, for water for heating/cooling systems, dangerous and not dangerous - Cocks for water for heating/cooling systems and not dangerous gas - Under-sink and washing machine cocks - BIB cocks - Accessories and spare parts - Technical and dimensional data

---

## Chapter 4

### Fittings

- 106 Multitong press fittings - RM series - Adaptors for multilayer and plastic pipes - Adaptors for copper pipes - Fittings for adaptors - Fittings for multilayer and plastic pipes - Fittings for copper pipes - 3 pieces fittings, nipples, other fittings - Giacogreen system - Accessories and spare parts - Giacoquest system - GX system

---

## Chapter 5

### Pipes

- 138 Multilayer and plastic pipes

---

## Chapter 6

144 Thermoregulation

Thermoregulation - KLIMAdomotic TRV - Thermoregulation - KLIMAdomotic RAD - Thermoregulation - KLIMABus  
Thermoregulation - Stand-Alone - Thermoregulation - Wireless

---

## Chapter 7

154 Boiler room components

Balancing valves - Distribution units - Zone valves and mixing valves - Components for boiler room - Water controls - Components for biomass systems - Backflows, filters, check valves - Gate valves - Automatic air vent valves - Accessories for circulators - Oil filters - Components for solar thermal systems - Units for domestic hot water - Other components for solar thermal systems - Technical and dimensional data

---

## Chapter 8

192 Valves with flanged connections

Valves with flanged connections

---

## Chapter 9

198 Radiant systems

Overview of radiant floor systems - Components for radiant floor systems - Radiant dry floor system - Overview of radiant ceiling systems - Metallic radiant suspended ceilings, series GK - Metallic radiant suspended ceilings, series GK PSV - Radiant plasterboard ceilings, series GKC - Radiant plasterboard ceilings, series GKCD - Radiant plasterboard ceilings, series GKCS V.2.0 - Air treatment units

---

## Chapter 10

220 Direct and indirect thermal energy metering

User modules for direct metering - Heat interface units for direct metering - Thermal energy meters, water meters, data centralization systems  
Indirect metering (heat cost allocators) - Basic units and accessories (boxes, templates, insulations, other components)

---

244 Index

## The future is our growing source.

---

Established in 1951, our company started manufacturing brass components that immediately crossed the borders of an Italian market on the way to reconstruction. The following decade we decided to conquer America. In the 70s, we worked hard to extend our component production to new integrated systems.

The technological boost of the 80s led us towards automatic thermoregulation systems. In the 90s we undertook a non-stop activity to train the most enterprising installers, distributors and designers.

At the turn of the new century we designed the first heat generator that turns us into true pioneers of the sector with specific solutions for renewable energies. Today we face the sustainability challenge with products that reinterpret the relation between buildings, nature and wellbeing through efficient and comfortable habitats.

In less than 70 years we have worked with almost every form of energy, yet we have left the most powerful run free: future, the life blood that drives us every day towards new goals.

80 tons of brass machined every day, production plants covering 130k sq.m., 900 employees, sales for 200 million euro, 80% of export, branches and business partners in 19 countries worldwide: **our numbers tell our story, our partners' satisfaction tells the rest.**

**ITALY**

Headquarter  
and brass division  
Via per Alzo, 39  
28017 San Maurizio d'Opaglio (NO)

Plastic division  
Via Brughiere, 31  
28017 San Maurizio d'Opaglio (NO)

Forging division  
Via Bisavola, 4  
37014 Castelnuovo del Garda (VR)

**BELGIUM**

Giacomini Benelux S.A.  
Route provinciale 273-277  
1301 Bierges (Wavre)

**CANADA**

Giacomini Consulting  
Canada Inc.  
1020-1500 West Georgia Street  
Vancouver, BC V6G 2Z6

**CHINA**

Giacomini Asia Pacific  
Room A801, TYG Centre,  
No. 2 Dong San Huan Bei Lu Bing,  
100027 Chaoyang District, Beijing

**CZECH REPUBLIC**

Giacomini Czech, S.R.O.  
Erbenova 15 - 46602  
Jablonec nad Nisou

**GERMANY**

Giacomini GMBH  
Industriestrasse 10  
51545 Waldbroel

**FRANCE**

Giacomini S.A.  
Parc de Pontillault  
Rue de Rome - CS 30176  
77348 Pontault Combault Cedex

**INDIA**

Giacomini India  
G-3, Neel Madhav,  
Nr. Navneet Hospital,  
V.P. cross road, Mulund (west),  
Mumbai, Maharastra - 400080

**JORDAN**

Giacomini Middle East  
Khalda, Amer bin Malik Str. 65, FL2  
P.O. Box: 851439 - Amman 11185

**POLAND**

Giacomini Poland  
Giacomini Sp. Z o.o. ul.  
Koniuchy 8 - 87-100 Toruń

**PORTUGAL**

Giacomini Portugal  
Sistemas Sanitários  
e Climatização, LDA.  
Rua de Martinhães, 263  
4485-188 Gião - VCD - Vila do Conte

**RUSSIA**

Giacomini Russia  
Daev Pereulok, 20 - 107045 Moscow

**SLOVAKIA**

Giacomini Slovakia S.R.O.  
Dolné Rudiny 1 - 01091 Zilina

**SPAIN**

Giacomini España S.L.  
Carretera Viladrau, Km 10  
08553 Seva - Barcelona

**SWITZERLAND**

Giacomini S.A.  
Via Linoleum 14 - 6512  
Giubiasco (Ticino)

**TURKEY**

Giacomini Unival  
Tesisat Armatürleri  
San Ve Tic. Ltd  
Istanbul Anadolu Yakası Organize San.  
Böl. Gazi Bulvarı - 2. Sok No:8 Tuzla  
Istanbul

**UAE**

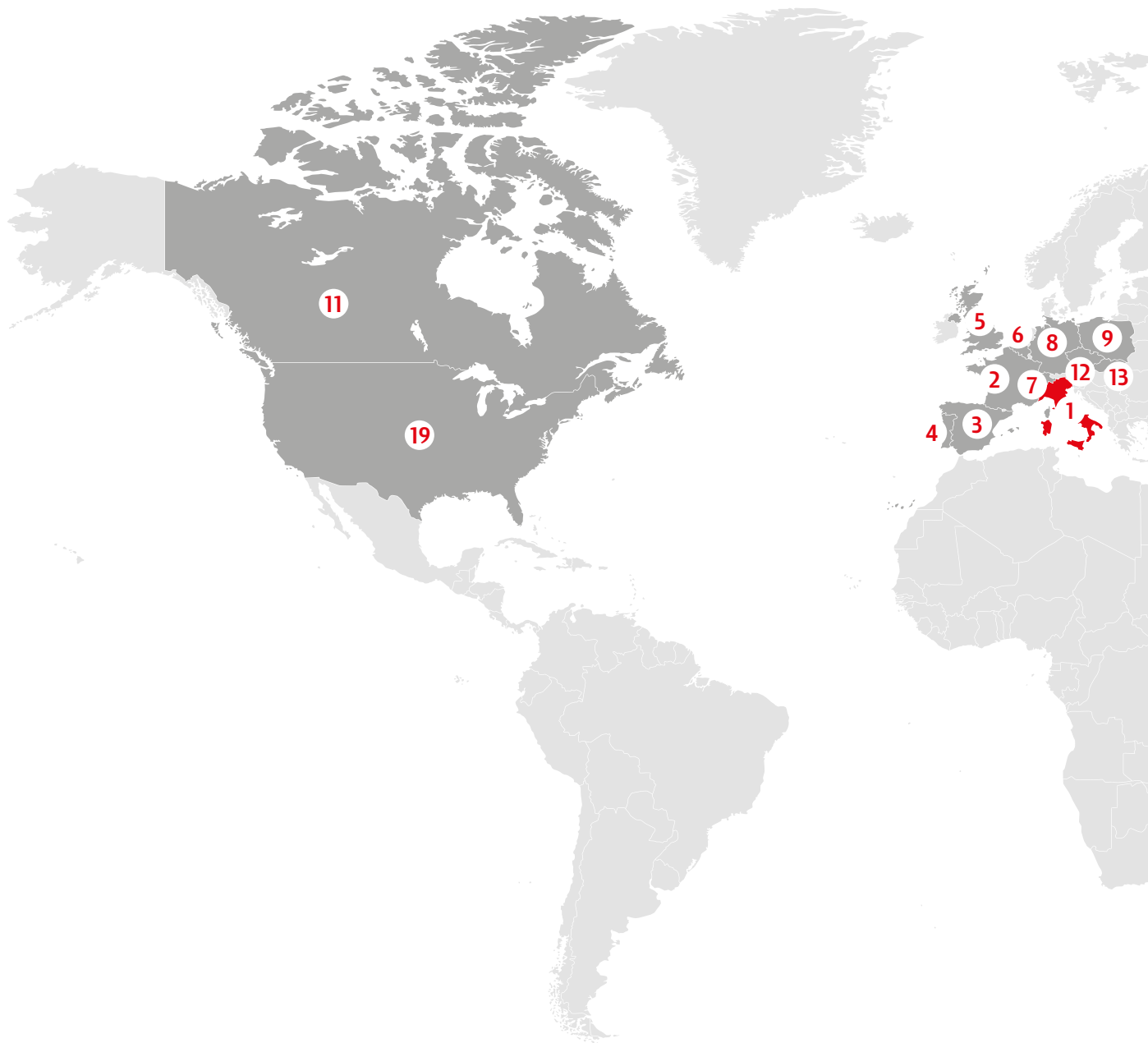
Giacomini Gulf F.Z.E.  
United Arab Emirates  
AJMAN B.C. 1300009

**UNITED KINGDOM**

Giacomini UK Ltd.  
South Gloucestershire  
BS37 5YT, Unit 2, Goodrich Close  
Westerleigh Business Park Yate

**USA**

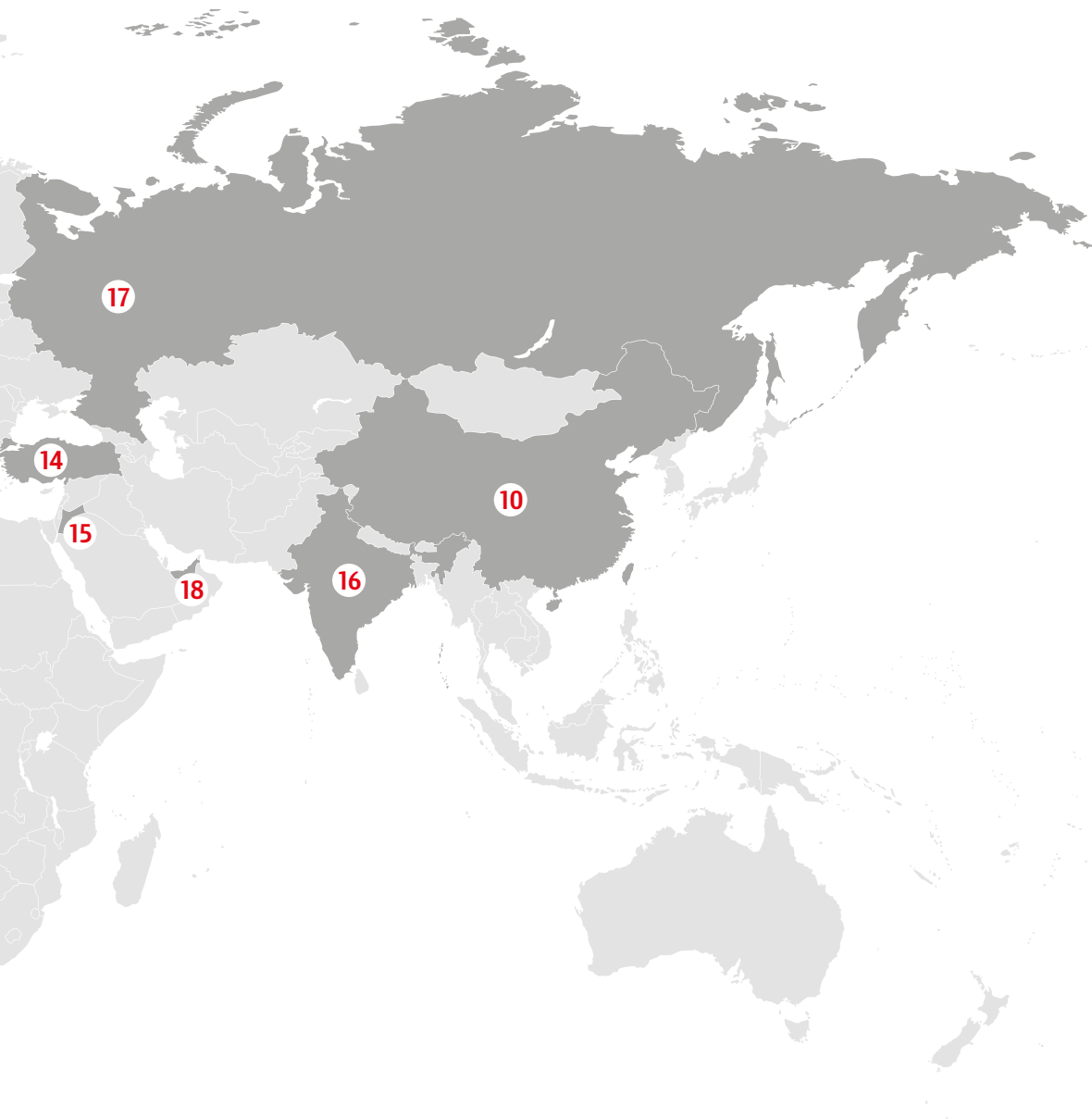
Giacomini USA  
Chicago, IL 60604  
141 W. Jackson Blvd.  
Suite 2750



## The excellence of Made in Italy for global development.

### *Branches, representative offices and exclusive partners*

Italy (1), France (2), Spain (3), Portugal (4), United Kingdom (5), Belgium (6), Switzerland (7), Germany (8), Poland (9), China (10), Canada (11), Czech Republic (12), Slovakia (13), Turkey (14), Jordan (15), India (16), Russia (17), UAE (18), USA (19).



We are by now one of the world's leading companies for the production of heating, air conditioning and domestic water systems dedicated to the residential, industrial and tertiary sector thanks to our competence, innovation and networking.



# Headquarter organization



**SALES MANAGER**  
(EASTERN EUROPE, AFRICA & MIDDLE EAST)

Mr. Federico Casoni  
tel +39 0322 923 279  
mob +39 335 586 9075  
federico.casoni@giacomini.com



**SALES MANAGER**  
(USA, CANADA & LATIN AMERICA)

Mrs. Daniela Mori  
tel +39 0322 923 229  
mob +39 335 7811691  
daniela.mori@giacomini.com



**AREA MANAGER**  
(MIDDLE EAST, AFRICA, INDIA)

Mr. Denis Giacoma  
tel +39 0322 923 209  
mob +39 335 284431  
denis.giacoma@giacomini.com



**BRANCH MANAGER**  
(CANADA)

Mr. Kambiz Pishghadam  
tel +1 7788857810  
kambiz.pishghadam@giacomini.com



**HEAD OF RUSSIAN REPRESENTATIVE OFFICE**  
(RUSSIA, KAZAKHSTAN, UZBEKISTAN,  
TURKMENISTAN, KYRGYZSTAN, TAJIKISTAN)

Mr. Andrey Mikhaylenko  
tel +7 495 6048396  
info.russia@giacomini.com



**AREA MANAGER**  
(UNITED STATES)

Mr. Joel Kaslewicz  
tel +630 880 0160  
joel.kaslewicz@giacomini.com



**AREA MANAGER**  
(LITHUANIA, LATVIA, ESTONIA, BELARUS,  
UKRAINE, MOLDOVA, ARMENIA, AZERBAIJAN,  
GEORGIA)

Mr. Viktor Dubnavitski  
tel +39 0322 923 323  
mob +39 335 7481537  
viktar.dubnavitski@giacomini.com



**AREA MANAGER**  
(HUNGARY, SLOVENIA, SERBIA, CROATIA,  
BOSNIA HERZIGOVINA, MONTENEGRO, FYROM)

Mr. Ales Tomazevic  
tel +386 1 521 1101  
mob +386 41 785056  
ales.tomazevic@giacomini.com



**AREA MANAGER**  
(NORTH AND EAST EUROPE)

Mr. Nicolò Sortino  
tel +39 0322 923 241  
mob +39 366 6424066  
nicolo.sortino@giacomini.com



**AREA MANAGER**  
(GREECE, CYPRUS, ALBANIA, KOSOVO)

Mr. Dimitris Ragousis  
mob +30 6947 997195  
dimragku@gmail.com



**TECHNICAL ENGINEER**  
(ROMANIA)

Mr. Alexandru Lazescu  
tel +40 723691014  
alexandru.lazescu@giacomini.com

## Back office organization.



### SALES ADMINISTRATION MANAGER

Mrs. Monica Ravetta  
tel +39 0322 923 111  
monica.ravetta@giacomini.com

### SALES ADMINISTRATION SPECIALIST



Mrs. Emanuela Bacchetta  
tel +39 0322 923362  
emanuela.bacchetta@giacomini.com



Mrs. Laura Farina  
tel +39 0322 923205  
laura.farina@giacomini.com



Mrs. Micol Bacchetta  
tel +39 0322 923271  
micol.bacchetta@giacomini.com



Mrs. Laura Fantini  
tel +39 0322 923257  
laura.fantini@giacomini.com



Mrs. Lidia Bertoli  
tel +39 0322 923250  
lidia.bertoli@giacomini.com



Mrs. Julia Goloubtsova  
tel +39 0322 293216  
yulia.goloubtsova@giacomini.com



Mrs. Carlotta Broglio  
tel +39 0322 923202  
carlotta.broglio@giacomini.com



Mrs. Sara Ibn Meyd  
tel +39 0322 9232282  
sara.ibnmejd@giacomini.com



Mrs. Emanuela Carzoli  
tel +39 0322 923212  
emanuela.carzoli@giacomini.com



Mrs. Manuela Pastore  
tel +39 0322 293244  
manuela.pastore@giacomini.com



Mrs. Paola Colombara  
tel +39 0322 923336  
paola.colombara@giacomini.com



Mrs. Marcella Sappa  
tel +39 0322 293280  
marcella.sappa@giacomini.com


# Professional Giacomini Academy. Training. Innovation. Confrontation.



In-house training for our client's growth. We dedicate great care to the competence and professionalism of our collaborators through a non-stop training process that includes updating sessions, stages, periodical panels of technical analysis. This provides our clients a highly professional and qualified service. Training for professionals. We want the Academy to be a point of sharing experiences and exchange of information between our firm and its partners, so as to turn it into a source of mutual growth and encouragement to do better. During our seminars, we analyze technical elements as well as new market trends, modern technologies and law provisions and regulations in force.

## Training customized for every single application.

---

 Giacomini provides all its customers with an effective and smart tool to learn how to install and maintain the main products keep up to date and solve most common problems.

Follow us on our youtube channel [GIACOMINI VIDEO PROJECT](#).

### ENERGY MANAGEMENT

Course describing components for energy consumption optimization. Types of metering (direct and indirect), thermostatic heads, etc.

### RADIANT SYSTEMS

The course will analyze basic concepts for thermoregulation of floor and ceiling radiant systems

### WATER MANAGEMENT

Analysis of water distribution systems with PEX/Al/PEX, PEX, PP-R pipes. Products for flow shut-off and regulation, types of fittings.

### GAS DISTRIBUTION

Analysis of systems recommended for gas abduction/ distribution and shut-off for domestic use

### RENEWABLE SOURCES

Course dedicated to products and systems for renewable energy sources and with low environment impact. Heat pumps, Solar energy, Geothermal energy, Biomasses, etc.

---

 **ACADEMY**  
A STEP TO THE FUTURE

# Certifications.

Giacomini SpA has an Integrated Management System certified by ICIM for Quality, Environment, Health and Safety at Work.



ISO 9001:15    ISO 14001:15    OHSAS 18001:07



**UNI EN ISO 9001: 2008**  
Quality Management Systems



**UNI EN ISO 14001: 2004**  
Environmental Management Systems



**OHSAS 18001: 2007**  
Occupational Health & Safety Management Systems

# We are where energy is.

Energy Management

Components for energy consumption optimization and metering, and for hot and cold fluid distribution.

Radiant Systems

Floor, wall and ceiling radiant air conditioning for residential and use, thermoregulation and air treatment.

Water Management

Components for drinking water distribution lines, domestic water system devices.

Gas Distribution

Distribution products and systems for safe and high-performing gas transfer in buildings.

Renewable Sources

Components dedicated to energy production systems from renewable sources.

Hydrogen Systems

Innovative and integrated solutions for eco-friendly hydrogenfueled heating systems.

Fire Protection

Specialized top-performance components for the fire protection professional sector.

**Chapter 1** The most traditional device for heating a room - the radiator - has always been able to rely on Giacomini components. We're universally recognised as specialists in the manufacture of valves, lockshield valves, thermostatic heads, and all the other accessories involved in the operation of any heating element. Technical skill, production reliability, wide range: these are the characteristics that allow us to easily equip every type of radiator, whether in new installations or in energy requalification projects.

---



## Radiator system products

### *Products*

14	Manual radiator valves
14	Radiator valves with thermostatic option
16	Radiator valves with thermostatic option with dynamic flow balancing
17	Radiator valves with thermostatic option and presetting
18	Radiator valves with increased passage and thermostatic option
18	Lockshields
20	Thermostatic heads
22	Radiator system kit
23	Polish chrome plated valves
25	Valves for twin-pipe system
26	Valves for single-pipe system
27	Probes
28	Valves for panel radiators
30	Accessories
33	Spare parts for radiator system

35	<i>Technical and dimensional data</i>
----	---------------------------------------

## Manual radiator valves

### R5TG

PRODUCT CODE	SIZE	□	⊞
<b>R5X032</b>	3/8"	1	50
<b>R5X033</b>	1/2"	1	50
<b>R5X034</b>	3/4" *	5	50
<b>R5X035</b>	1" *	2	20

\* Tail piece without self-sealing

Manual angle valve, iron pipe connection, chrome plated and self-sealing tail pieces.



### R6TG

PRODUCT CODE	SIZE	□	⊞
<b>R6X032</b>	3/8"	1	50
<b>R6X033</b>	1/2"	1	50
<b>R6X034</b>	3/4" *	5	50
<b>R6X035</b>	1" *	2	20

\* Tail piece without self-sealing

Manual straight valve, iron pipe connection, chrome plated and self-sealing tail pieces.



### R25TG

PRODUCT CODE	SIZE	□	⊞
<b>R25X032</b>	3/8" x 16	1	50
<b>R25X033</b>	1/2" x 16	1	50
<b>R25X034</b>	1/2" x 18	1	50

Manual angle valve, adaptor connection, chrome plated and self-sealing tail pieces. Piping connection with base 16 or base 18 adaptors.



### R27TG

PRODUCT CODE	SIZE	□	⊞
<b>R27X032</b>	3/8" x 16	1	50
<b>R27X033</b>	1/2" x 16	1	50
<b>R27X034</b>	1/2" x 18	1	50

Manual straight valve, adaptor connection, chrome plated and self-sealing tail pieces. Piping connection with base 16 or base 18 adaptors.



### R705A

PRODUCT CODE	SIZE	□	⊞
<b>R705X013</b>	1/2"	10	100
<b>R705X023</b>	1/2" *	50	-

\* Tail piece without self-sealing

Manual angle valve, iron pipe connection, chrome plated and self-sealing tail pieces.



### R706A

PRODUCT CODE	SIZE	□	⊞
<b>R706X013</b>	1/2"	5	50

Manual straight valve, iron pipe connection, chrome plated and self-sealing tail pieces.



## Radiator valves with thermostatic option

### R421TG

PRODUCT CODE	SIZE	□	⊞
<b>R421X132</b>	3/8" **	1	50
<b>R421X133</b>	1/2" **	1	50
<b>R421X034</b>	3/4" *	5	50
<b>R421X035</b>	1" *	2	20

\* Tail piece without self-sealing

Micrometric angle valve with thermostatic option, chrome plated, iron pipe connection and self-sealing tail pieces.



CERTIFICATIONS AND SYMBOLS



### R422TG

PRODUCT CODE	SIZE	□	⊞
<b>R422X132</b>	3/8" **	1	50
<b>R422X133</b>	1/2" **	1	50
<b>R422X034</b>	3/4" *	5	50
<b>R422X035</b>	1" *	2	20

\* Tail piece without self-sealing

Micrometric straight valve with thermostatic option, chrome plated, iron pipe connection and self-sealing tail pieces.



CERTIFICATIONS AND SYMBOLS



## R431TG

PRODUCT CODE	SIZE	□	⊞
R431X032	3/8" x 16	1	50
R431X033	1/2" x 16	1	50
R431X034	1/2" x 18	1	50
R431EX037	1/2" x 3/4" Eurocone	1	50

Micrometric angle valve with thermostatic option, chrome plated, adaptor connection and self-sealing tail pieces. Piping connection with base 16, base 18 or 3/4" Eurocone adaptors.



## R432TG

PRODUCT CODE	SIZE	□	⊞
R432X032	3/8" x 16	1	50
R432X033	1/2" x 16	1	50
R432X034	1/2" x 18	1	50
R432EX037	1/2" x 3/4" Eurocone	1	50

Micrometric straight valve with thermostatic option, chrome plated, adaptor connection and self-sealing tail pieces.

Piping connection with base 16, base 18 or 3/4" Eurocone adaptors.



## R401TG

PRODUCT CODE	SIZE	□	⊞
R401X132	3/8" **	1	50
R401X133	1/2" **	1	50
R401X034	3/4" *	5	50
R401X035	1" *	2	20

\* Tail piece without self-sealing

Angle valve with thermostatic option, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.



CERTIFICATIONS AND SYMBOLS



## R402TG

PRODUCT CODE	SIZE	□	⊞
R402X132	3/8" **	1	50
R402X133	1/2" **	1	50
R402X034	3/4" *	5	50
R402X035	1" *	2	20

\* Tail piece without self-sealing

Straight with thermostatic option, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.



CERTIFICATIONS AND SYMBOLS



## R411TG

PRODUCT CODE	SIZE	□	⊞
R411X032	3/8" x 16	1	50
R411X033	1/2" x 16	1	50
R411X034	1/2" x 18	1	50

Angle valve with thermostatic option, chrome plated, adaptor connection and self-sealing tail pieces. With cover to protect the body before assembling. Piping connection with base 16 or base 18 adaptors.



## R412TG

PRODUCT CODE	SIZE	□	⊞
R412X032	3/8" x 16	1	50
R412X033	1/2" x 16	1	50
R412X034	1/2" x 18	1	50

Straight valve with thermostatic option, chrome plated, adaptor connection and self-sealing tail pieces. With cover to protect the body before assembling. Piping connection with base 16 or base 18 adaptors.



## R435TG

### IRON PIPE CONNECTION

PRODUCT CODE	SIZE	□	⊞
R435X053	1/2" *	1	50

### ADAPTOR CONNECTION

PRODUCT CODE	SIZE	□	⊞
R435X062	1/2" x 16	1	50
R435X043	1/2" x 18	1	50

Micrometric reverse angle valve with thermostatic option, chrome plated, iron pipe connection or adaptor connection. Self-sealing tail pieces. Adaptor connection: piping connection with base 16 or base 18 adaptors.



CERTIFICATIONS AND SYMBOLS



## R415TG

### IRON PIPE CONNECTION

PRODUCT CODE	SIZE	□	⊞
R415X033	1/2" *	1	50

### ADAPTOR CONNECTION

PRODUCT CODE	SIZE	□	⊞
R415X042	1/2" x 16	1	50
R415X043	1/2" x 18	1	50

Reverse angle valve with thermostatic option, chrome plated, iron pipe connection or adaptor connection. Self-sealing tail pieces. With cover to protect the body before assembling. Adaptor connection: piping connection with base 16 or base 18 adaptors.



CERTIFICATIONS AND SYMBOLS



## R403TG

### IRON PIPE CONNECTION

PRODUCT CODE	SIZE	□	⊞
R403X062	3/8" - right	1	50
R403X052	3/8" - left	1	50
R403X064	1/2" - right	1	50
R403X054	1/2" - left	1	50

### ADAPTOR CONNECTION

PRODUCT CODE	SIZE	□	⊞
R403X034	1/2" x 18 - right	1	50
R403X024	1/2" x 18 - left	1	50

Micrometric double angle valve with thermostatic option, chrome plated, adaptor connection and self-sealing tail pieces. With cover to protect the body before assembling. Adaptor connection: piping connection with base 16 or base 18 adaptors.





# ➤ Radiator valves with thermostatic option with dynamic flow balancing

## R401DB

PRODUCT CODE	SIZE	□	⊞
<b>R401DBX032</b>	3/8"	1	50
<b>R401DBX033</b>	1/2"	1	50

Angle valve with thermostatic option with dynamic flow balancing, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.



**INFO**  
For adjustment use key R73P.

## R402DB

PRODUCT CODE	SIZE	□	⊞
<b>R402DBX032</b>	3/8"	1	50
<b>R402DBX033</b>	1/2"	1	50

Straight valve with thermostatic option with dynamic flow balancing, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.



**INFO**  
For adjustment use key R73P.

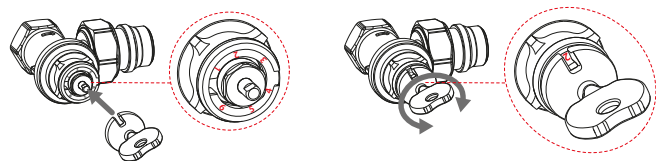
## R415DB

PRODUCT CODE	SIZE	□	⊞
<b>R415DBX033</b>	1/2"	1	50

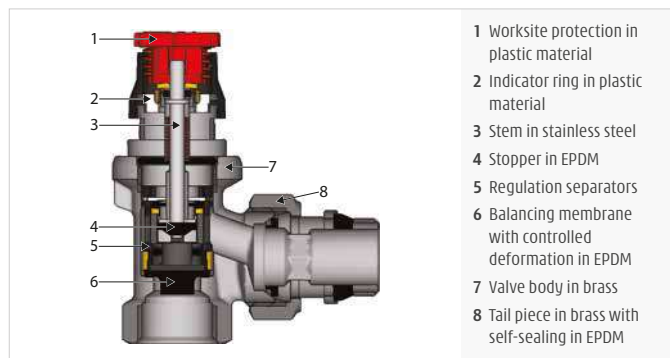
Reverse angle valve with thermostatic option with dynamic flow balancing, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.



**INFO**  
For adjustment use key R73P.

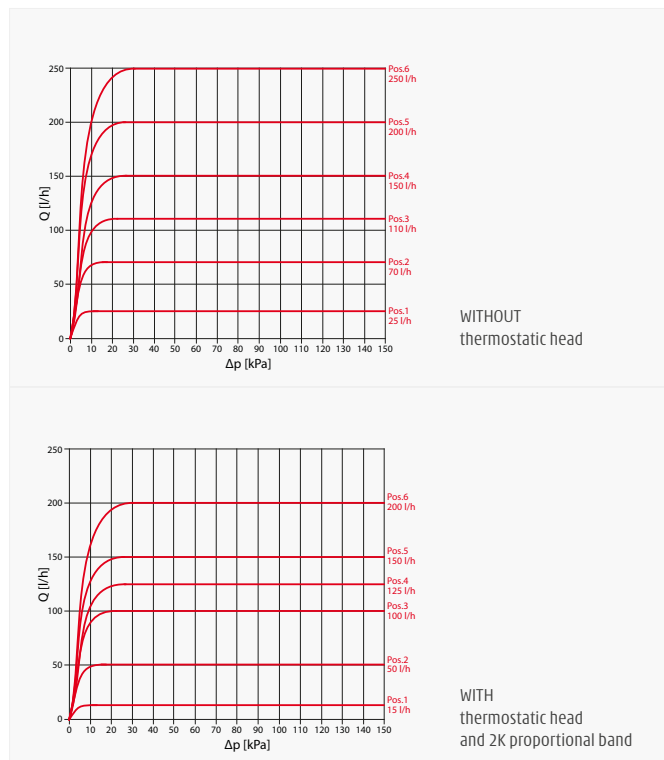


### COMPONENT



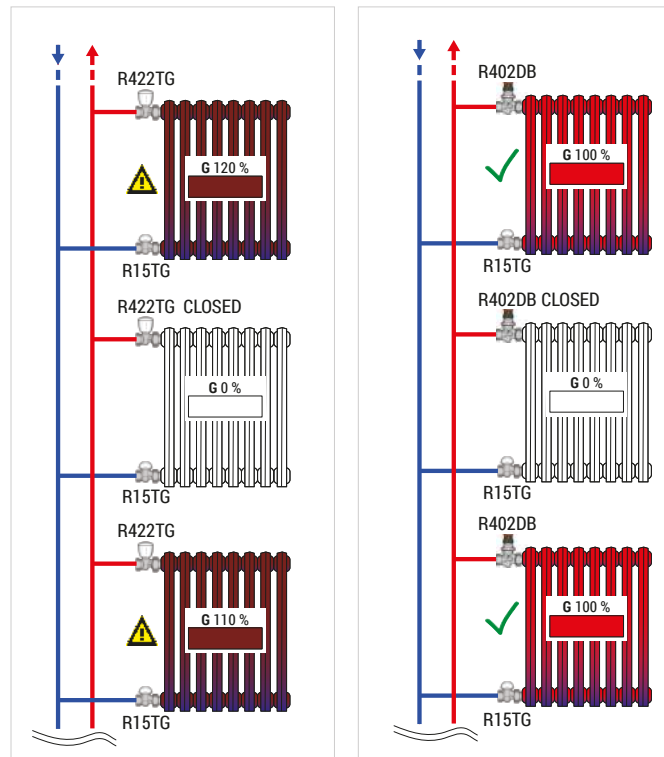
- 1 Worksite protection in plastic material
- 2 Indicator ring in plastic material
- 3 Stem in stainless steel
- 4 Stopper in EPDM
- 5 Regulation separators
- 6 Balancing membrane with controlled deformation in EPDM
- 7 Valve body in brass
- 8 Tail piece in brass with self-sealing in EPDM

### FLOW RATE PRESETTING



Presetting position	1	2	3	4	5	6 (factory setting)
Flow rate WITHOUT thermostatic head [l/h]	25	70	110	150	200	250
Flow rate WITH thermostatic head [l/h]	15	50	100	125	150	200
$\Delta p$ min [kPa]	10	15	20	25	25	30
$\Delta p$ max [kPa]	150					

### PARTIAL LOAD



# ➤ Radiator valves with thermostatic option and presetting

## VALVES WITH PRESETTING

PTG valves are equipped with a special manoeuvring bonnet which determines a specific flow section based on the position set, thus generating the desired pressure losses within the hydraulic circuit. These valves can be pre-set to efficiently balance the circuit. By combining them with radiator thermostatic heads and chronothermostats they offer great energy saving.



1. Remove the red worksite protection using a screwdriver. The stem "B" is positioned on "N" (fully open).



2. Set the R73PY010 key on the bonnet stem, fitting it in the only position allowed (letter "N" visible from the slot of R73PY010 key and facing the reference "A" on the valve body). Turn the bonnet stem using the key R73PY010 until the desired presetting number number appears from the slot of the key.



3. Remove the wrench R73PY010, the stem "B" will be on the desired pre-setting position, marked by the number on the valve ring. Adjustment positions 0,5 (single notch) - 1 - 2 - 3 - 4 - 5 - 6 - 7 - N (N = fully open).



The presetting valves, PTG series, have the possibility of eventual replacement of the bonnet using the special key R400 series.

## R401PTG

PRODUCT CODE	SIZE	□	⊞
R401PX232	3/8"	1	50
R401PX233	1/2"	1	50
R401PX234	3/4"	1	50

Angle valve with thermostatic option and presetting, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.

**INFO**  
For adjustment use key R73P.



## R412PTG

PRODUCT CODE	SIZE	□	⊞
R412PX232	3/8" x 16	1	50
R412PX233	1/2" x 16	1	50

Straight valve with thermostatic option and presetting, chrome plated, adaptor connection and self-sealing tail pieces. With cover to protect the body before assembling. Piping connection with base 16 adaptors.

**INFO**  
For adjustment use key R73P.



## R402PTG

PRODUCT CODE	SIZE	□	⊞
R402PX232	3/8"	1	50
R402PX233	1/2"	1	50
R402PX234	3/4"	1	50

Straight valve with thermostatic option and presetting, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.

**INFO**  
For adjustment use key R73P.



## R415PTG

PRODUCT CODE	SIZE	□	⊞
R415PX242	1/2" x 16	1	50

Reverse angle valve with thermostatic option and presetting, chrome plated, adaptor connection and self-sealing tail pieces. With cover to protect the body before assembling. Piping connection with base 16 adaptors.

**INFO**  
For adjustment use key R73P.



## R411PTG

PRODUCT CODE	SIZE	□	⊞
R411PX232	3/8" x 16	1	50
R411PX233	1/2" x 16	1	50

Angle valve with thermostatic option and presetting, chrome plated, adaptor connection and self-sealing tail pieces. With cover to protect the body before assembling. Piping connection with base 16 adaptors.

**INFO**  
For adjustment use key R73P.



## R460PA

PRODUCT CODE	SIZE	□	⊞
R460PA002	3/8" x 16 - angle	50	-
R460PA003	1/2" x 16 - angle	50	-
R460PA012	3/8" x 16 - straight	50	-
R460PA013	1/2" x 16 - straight	50	-

Radiator system kit (valve with presetting and lockshield), with R460 thermostatic head, adaptor connection. Piping connection with base 16 adaptors.

**INFO**  
R460PA002, R460PA003: R460 + R411PTG + R29TG  
R460PA012, R460PA013: R460 + R412PTG + R31TG



## Radiator valves with increased passage and thermostatic option

### R401D

PRODUCT CODE	SIZE		
<b>R401DX003</b>	1/2"	5	50
<b>R401DX004</b>	3/4"	5	50

Angle valve with thermostatic option, chrome plated, iron pipe connection. With cover to protect the body before assembling. "D" series - European legislation EN 215.



CERTIFICATIONS AND SYMBOLS



### R402H

PRODUCT CODE	SIZE		
<b>R402HX003</b>	1/2"	1	50
<b>R402HX004</b>	3/4"	5	50

Straight valve with thermostatic option (threaded connection M30x1,5 mm), chrome plated, iron pipe connection. With cover to protect the body before assembling.



CERTIFICATIONS AND SYMBOLS



### R402D

PRODUCT CODE	SIZE		
<b>R402DX003</b>	1/2"	10	100
<b>R402DX004</b>	3/4"	5	50

Straight valve with thermostatic option, chrome plated, iron pipe connection. With cover to protect the body before assembling. "D" series - European legislation EN 215.



CERTIFICATIONS AND SYMBOLS



### R403H

PRODUCT CODE	SIZE		
<b>R403HX023</b>	1/2" - left	1	50
<b>R403HX033</b>	1/2" - right	1	50

Double angle valve with thermostatic option (threaded connection M30x1,5 mm), chrome plated, iron pipe connection. With cover to protect the body before assembling.



CERTIFICATIONS AND SYMBOLS



### R401H

PRODUCT CODE	SIZE		
<b>R401HX003</b>	1/2"	1	50
<b>R401HX004</b>	3/4"	5	50



Angle valve with thermostatic option (threaded connection M30x1,5 mm), chrome plated, iron pipe connection. With cover to protect the body before assembling.



CERTIFICATIONS AND SYMBOLS



### R415H

PRODUCT CODE	SIZE		
<b>R415HX003</b>	1/2"	1	50

Reverse angle valve with thermostatic option (threaded connection M30x1,5 mm), chrome plated, iron pipe connection. With cover to protect the body before assembling.



CERTIFICATIONS AND SYMBOLS





## Lockshields

### R16TG

#### IRON PIPE CONNECTION

PRODUCT CODE	SIZE		
<b>R16X032</b>	3/8"	1	50
<b>R16X033</b>	1/2"	1	50

#### ADAPTOR CONNECTION

PRODUCT CODE	SIZE		
<b>R16EX037</b>	1/2" x 3/4" Eurocone	1	50

Angle lockshield, chrome plated, iron pipe connection or adaptor connection. Self-sealing tail pieces. Brass cap. Adaptor connection: piping connection with 3/4" Eurocone adaptors.





### R17TG

#### IRON PIPE CONNECTION

PRODUCT CODE	SIZE		
<b>R17X032</b>	3/8"	1	50
<b>R17X033</b>	1/2"	1	50

#### ADAPTOR CONNECTION

PRODUCT CODE	SIZE		
<b>R17EX037</b>	1/2" x 3/4" Eurocone	1	50

Straight lockshield, chrome plated, iron pipe connection or adaptor connection. Self-sealing tail pieces. Brass cap. Adaptor connection: piping connection with 3/4" Eurocone adaptors.



## R14TG

PRODUCT CODE	SIZE	☐	☒
<b>R14X032</b>	3/8"	1	50
<b>R14X033</b>	1/2"	1	50
<b>R14X034</b>	3/4" *	5	50
<b>R14X035</b>	1" *	2	20
<b>R14X036</b>	1 1/4" *	2	20

\* Tail piece without self-sealing, brass cap

Angle lockshield, chrome plated, iron pipe connection and self-sealing tail pieces. Plastic cap.



## R15TG

PRODUCT CODE	SIZE	☐	☒
<b>R15X032</b>	3/8"	1	50
<b>R15X033</b>	1/2"	1	50
<b>R15X034</b>	3/4" *	5	50
<b>R15X035</b>	1" *	2	20
<b>R15X036</b>	1 1/4" *	2	20

\* Tail piece without self-sealing, brass cap

Straight lockshield, chrome plated, iron pipe connection and self-sealing tail pieces. Plastic cap.



## R29TG

PRODUCT CODE	SIZE	☐	☒
<b>R29X032</b>	3/8" x 16	1	50
<b>R29X033</b>	1/2" x 16	1	50
<b>R29X034</b>	1/2" x 18	1	50
<b>R29X035</b>	3/4" x 18 *	5	50
<b>R29X036</b>	3/4" x 22 *	5	50
<b>R29EX037</b>	1/2" x 3/4" Eurocone	1	50

\* Tail piece without self-sealing, brass caps

Angle lockshield, chrome plated, adaptor connection and self-sealing tail pieces. Plastic cap.

Piping connection with base 16, base 18, base 22 or 3/4" Eurocone adaptors.



## R31TG

PRODUCT CODE	SIZE	☐	☒
<b>R31X032</b>	3/8" x 16	1	50
<b>R31X033</b>	1/2" x 16	1	50
<b>R31X034</b>	1/2" x 18	1	50
<b>R31X035</b>	3/4" x 18 *	5	50
<b>R31X036</b>	3/4" x 22 *	5	50
<b>R31EX037</b>	1/2" x 3/4" Eurocone	1	50

\* Tail piece without self-sealing, brass caps

Straight lockshield, chrome plated, adaptor connection and self-sealing tail pieces. Plastic cap.

Piping connection with base 16, base 18, base 22 or 3/4" Eurocone adaptors.



## R16D2

PRODUCT CODE	SIZE	☐	☒
<b>R16DX002</b>	3/8"	10	100
<b>R16DX003</b>	1/2"	10	100
<b>R16DX004</b>	3/4"	5	50

Angle lockshield, chrome plated, iron pipe connection. Brass cap. In accordance with DIN 3842.



## R17D2

PRODUCT CODE	SIZE	☐	☒
<b>R17DX002</b>	3/8"	10	100
<b>R17DX003</b>	1/2"	10	100
<b>R17DX004</b>	3/4"	5	50

Straight lockshield, chrome plated, iron pipe connection. Brass cap. In accordance with DIN 3842.



## R16C2

PRODUCT CODE	SIZE	☐	☒
<b>R16CX003</b>	1/2" x Ø15	1	50

Angle lockshield, nickel plated, solder connection. Brass cap. In accordance with DIN 3842.



## R17C2

PRODUCT CODE	SIZE	☐	☒
<b>R17CX003</b>	1/2" x Ø15	1	50

Straight lockshield, nickel plated, solder connection. Brass cap. In accordance with DIN 3842.



## R714TG

PRODUCT CODE	SIZE	☐	☒
<b>R714X032</b>	3/8"	10	100
<b>R714X033</b>	1/2"	10	100
<b>R714X034</b>	3/4" *	5	50

\* Tail piece without self-sealing

Angle lockshield with possibility of drainage, chrome plated, iron pipe connection and self-sealing tail piece. Brass cap.



## R715TG

PRODUCT CODE	SIZE	☐	☒
<b>R715X032</b>	3/8"	10	100
<b>R715X033</b>	1/2"	10	100
<b>R715X034</b>	3/4" *	5	50

\* Tail piece without self-sealing

Straight lockshield with possibility of drainage, chrome plated, iron pipe connection and self-sealing tail piece. Brass cap.



# Thermostatic heads

## STAND-ALONE REGULATION

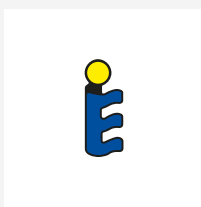
Giacomini offers a wide range of low-inertia thermostatic actuators with liquid sensor for regulation and automatic control of radiator temperature. Through automatic regulation of the hot liquid flow to the radiator based on the set value, they offer great comfort and energy saving. Available for installation on valve bodies by Giacomini and other manufacturers. The new frontier for radiator valve actuators by Giacomini is the electronic chronothermostatic head. This is a cutting-edge device, compact, quiet and with extended autonomy. Function keys, dial selector and LCD display for easy weekly programming with multiple daily activation times and three different temperature set-points: comfort, economy/night and anti-freezing.



## KEYMARK

The advantages of the Keymark application are important:

- Testing of the radiator valves according to the European standard
- Quality guarantee of the manufacturer, who shall apply the quality management system at least at ISO 9001 level
- Samples of radiator valves collected directly from the current production by an independent inspector
- Regular monitoring of the product and the quality management system of the manufacturer. In a single market, we need a single mark.



## R460

PRODUCT CODE	SIZE	□	⊞
<b>R460X001</b>	-	1	50

Thermostatic head with liquid sensor. CLIP CLAP quick connection system for installation on all the "TG, D, F series" valves with thermostatic option.

Adjustment positions from \* to ☀,

corresponding to a temperature range of 8÷32 °C.

Temperature range in combination with the valve bodies: 5÷110 °C.

Max. working pressure in combination with the valve bodies: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R460H

PRODUCT CODE	SIZE	□	⊞
<b>R460HX011</b>	-	1	50

Thermostatic head with liquid sensor. Ring nut with standard thread M30x1,5 mm for installation on all the "H series" valves with thermostatic option.

Adjustment positions from \* to ☀,

corresponding to a temperature range of 8÷32 °C.

Temperature range in combination with the valve bodies: 5÷110 °C.

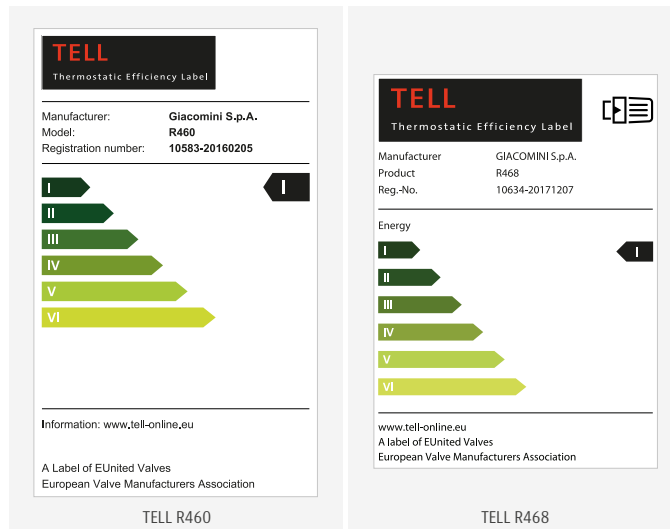
Max. working pressure in combination with the valve bodies: 10 bar.



CERTIFICATIONS AND SYMBOLS



## TELL LABEL



R468 and R460 thermostatic heads are provided with TELL labels (Thermostatic Efficiency Label) energy efficiency class A. TELL classification criteria for thermostatic heads include the following merit factors: water temperature influence, hysteresis, response time, differential pressure influence.

## R468

PRODUCT CODE	SIZE	□	⊞
<b>R468X001</b>	-	1	50

Thermostatic head with liquid sensor. CLIP CLAP quick connection system for installation on all the "TG, D, F series" valves with thermostatic option.

Adjustment positions from \* to ☀,

corresponding to a temperature range of 8÷28 °C. Position "O" for shut-off function.

Temperature range in combination with the valve bodies: 5÷110 °C.

Max. working pressure in combination with the valve bodies: 10 bar.

Numbering in Braille, enabling blind and/or partially-sighted people to make the necessary adjustments.



CERTIFICATIONS AND SYMBOLS



## R468H

PRODUCT CODE	SIZE	□	⊞
<b>R468HX001</b>	-	1	50
<b>R468HX051</b>	With anti-tamper ring nut	1	50

Thermostatic head with liquid sensor. Ring nut with standard thread M30x1,5 mm for installation on all the "H series" valves with thermostatic option.

Adjustment positions from \* to ☀,

corresponding to a temperature range of 8÷28 °C. Position "O" for shut-off function.

Temperature range in combination with the valve bodies: 5÷110 °C.

Max. working pressure in combination with the valve bodies: 10 bar.

Numbering in Braille, enabling blind and/or partially-sighted people to make the necessary adjustments.



CERTIFICATIONS AND SYMBOLS



**THERMOSTATIC HEAD INSTALLATION WITH CLIP CLAP BAYONET CONNECTION.**



1. Fully open the head by turning the knob to position 9. Next, pull the **Clip-Clap** connection towards the knob.



2. Connect the thermostatic head to the valve, making sure the valve pin, thermostatic head opening and **Clip Clap** ring indicator notch are aligned.



3. Close the head completely by turning the knob (turn the knob to position "0").



4. The head is now fixed to the valve and can be moved to the required adjustment position by turning the knob.

## R470

PRODUCT CODE	SIZE	□	⊞
<b>R470X001</b>	-	1	50

Thermostatic head with liquid sensor. CLIP CLAP quick connection system for installation on all the "TG, D, F series" valves with thermostatic option. Adjustment positions from \* to 9, corresponding to a temperature range of 8÷32 °C. Temperature range in combination with the valve bodies: 5÷110 °C. Max. working pressure in combination with the valve bodies: 10 bar.



CERTIFICATIONS AND SYMBOLS



## K470W

PRODUCT CODE	SIZE	□	⊞
<b>K470WX001</b>	-	1	-

Wireless chronothermostat for radiators (ZigBee standard). Operation combined with the KD410 Connect-TRV for remote management of heating systems. Equipped with adaptors for installation on Giacomini "TG" or "H" series valves. Power supply: 2 batteries AA 1,5 V.



## R470H

PRODUCT CODE	SIZE	□	⊞
<b>R470HX001</b>	-	1	50

Thermostatic head with liquid sensor. Ring nut with standard thread M30x1,5 mm for installation on all the "H series" valves with thermostatic option. Adjustment positions from \* to 9, corresponding to a temperature range of 8÷32 °C. Temperature range in combination with the valve bodies: 5÷110 °C. Max. working pressure in combination with the valve bodies: 10 bar.



CERTIFICATIONS AND SYMBOLS



## K470H

PRODUCT CODE	SIZE	□	⊞
<b>K470HX001</b>	-	1	20

Chronothermostat for radiators. Ring nut with standard thread M30x1,5 mm for installation on all the "H series" valves with thermostatic option. Equipped with adaptor for installation on all the "TG, D, F series" valves with thermostatic option. 4 programmable daily time bands. Serial port to K471 programming key. Power supply: 2 AA batteries 1,5 V. Compliance with Directive 2004/108/EC.



## R462

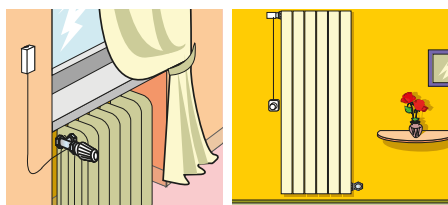
PRODUCT CODE	SIZE	□	⊞
<b>R462X002</b>	2 m	1	25
<b>R462X005</b>	5 m	1	25

Thermostatic head with remote liquid sensor. Adjustable on valve. Adjustment positions from \* to 9, corresponding to a temperature range of 8÷32 °C.



R462

R463



## K471

PRODUCT CODE	SIZE	□	⊞
<b>K471X001</b>	-	1	-

Programming key for K470H chronothermostat for radiators. USB connection to the PC and Mini-USB to the K470H chronothermostat.



## R463

PRODUCT CODE	SIZE	□	⊞
<b>R463X002</b>	2 m	1	25
<b>R463X005</b>	5 m	1	25

Thermostatic head with liquid sensor and remote adjustment. Adjustment positions from 1 to 5, corresponding to a temperature range of 8÷32 °C.



# Radiator system kit

## R705K

PRODUCT CODE	SIZE	☐	⊞
<b>R705KX003</b>	1/2"	1	25
<b>R705KX113</b>	1/2" x 16	1	20

Radiator system kit (valve and lockshield), angle version, iron pipe connection.

### INFO

R705KX003: R705A + R16TG.



## R470A

### ANGLE AND STRAIGHT KIT

PRODUCT CODE	SIZE	☐	⊞
<b>R470AX002</b>	3/8" x 16 - angle	1	18
<b>R470AX003</b>	1/2" x 16 - angle	1	18
<b>R470AX012</b>	3/8" x 16 - straight	1	18
<b>R470AX013</b>	1/2" x 16 - straight	1	18

### COAXIAL KIT

PRODUCT CODE	SIZE	☐	⊞
<b>R470AX023</b>	1/2" x 16 - angle	1	18

Radiator system kit (valve and lockshield), with R470 thermostatic head, adaptor connection.

Piping connection with base 16 adaptors.

### INFO

R470AX002, R470AX003: R470 + R411TG + R29TG.

R470AX012, R470AX013: R470 + R412TG + R31TG.

R470AX023: R470 + R415TG + R29TG.

### R470AX002 - R470AX003



### R470AX012 - R470AX013



### R470AX023



## R470F-KV

PRODUCT CODE	SIZE	☐	⊞
<b>R470FX054</b>	3/4" - angle	1	18
<b>R470FX064</b>	3/4" - straight	1	18

Radiator system kit (valve and lockshield), with R470H thermostatic head, iron pipe connection.

### INFO

R470FX054: R470H + R401H + R14TG.

R470FX064: R470H + R402H + R15TG.



## R706K

PRODUCT CODE	SIZE	☐	⊞
<b>R706KX003</b>	1/2"	1	25

Radiator system kit (valve and lockshield), straight version, iron pipe connection.

### INFO

R706KX003: R706A + R17TG.



## R470F

### ANGLE AND STRAIGHT KIT

PRODUCT CODE	SIZE	☐	⊞
<b>R470FX002</b>	3/8" - angle	1	18
<b>R470FX003</b>	1/2" - angle	1	18
<b>R470FX012</b>	3/8" - straight	1	18
<b>R470FX013</b>	1/2" - straight	1	18

### COAXIAL KIT

PRODUCT CODE	SIZE	☐	⊞
<b>R470FX023</b>	1/2" - angle	1	18

Radiator system kit (valve and lockshield), with R470 thermostatic head, iron pipe connection.

### INFO

R470FX002, R470FX003: R470 + R401TG + R14TG.

R470FX012, R470FX013: R470 + R402TG + R15TG.

R470FX023: R470 + R415TG + R14TG.

Adaptor connection, to complete with R178, R179 or R179AM.

### R470FX002 - R470FX003



### R470AX012 - R470AX013



### R470AX023



### R470FX054



### R470FX064



## Polish chrome plated valves

### T470C

PRODUCT CODE	SIZE		
<b>T470CX001</b>	-	1	50

Thermostatic head with liquid sensor, for toweldryer, polish chrome plated.  
CLIP CLAP quick connection system for installation on all the "TG, D, F series" valves with thermostatic option.

Adjustment positions from \* to ☀, corresponding to a temperature range of 8÷32 °C.

Temperature range in combination with the valve bodies: 5÷110 °C.

Max. working pressure in combination with the valve bodies: 10 bar.



### T25C

PRODUCT CODE	SIZE		
<b>T25CX003</b>	1/2" x 16	1	20

Manual angle valve for toweldryer, polish chrome plated, adaptor connection and self-sealing tail pieces.

Piping connection with base 16 adaptors for toweldryer.



### T27C

PRODUCT CODE	SIZE		
<b>T27CX003</b>	1/2" x 16	1	20

Manual straight valve for toweldryer, polish chrome plated, adaptor connection and self-sealing tail pieces.

Piping connection with base 16 adaptors for toweldryer.



### T431C

PRODUCT CODE	SIZE		
<b>T431CX003</b>	1/2" x 16	1	20

Micrometric angle valve for toweldryer, with thermostatic option, polish chrome plated, adaptor connection and self-sealing tail pieces.

Piping connection with base 16 adaptors for toweldryer.



### T432C

PRODUCT CODE	SIZE		
<b>T432CX003</b>	1/2" x 16	1	20

Micrometric straight valve for toweldryer, with thermostatic option, polish chrome plated, adaptor connection and self-sealing tail pieces.

Piping connection with base 16 adaptors for toweldryer.



### T29C

PRODUCT CODE	SIZE		
<b>T29CX003</b>	1/2" x 16	1	20

Angle lockshield for toweldryer, polish chrome plated, adaptor connection and self-sealing tail pieces.

Piping connection with base 16 adaptors for toweldryer.



### T31C

PRODUCT CODE	SIZE		
<b>T31CX003</b>	1/2" x 16	1	20

Straight lockshield for toweldryer, polish chrome plated, adaptor connection and self-sealing tail pieces.

Piping connection with base 16 adaptors for toweldryer.



### T439L

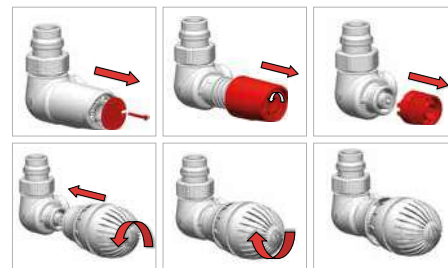
PRODUCT CODE	SIZE		
<b>T439LX023</b>	1/2" x 16 - left valve	1	10
<b>T439LX033</b>	1/2" x 16 - right valve	1	10

Kit for toweldryer composed by double angle micrometric valve with thermostatic option and double angle lockshields. Adaptor connection. Available with right valve and left lockshield, or with left valve and right lockshield.

Piping connection with base 16 adaptors for toweldryer.



#### THERMOSTATIC HEAD INSTALLATION



### T386T

PRODUCT CODE	SIZE		
<b>T386TX013</b>	3/4" F x 3/4" Eurocone	1	25

Twin-pipe angle valve with thermostatic option for radiator panels, polish chrome plated brass. Flat seat connections with gaskets, equipped with self-sealing adaptors. Piping connection with 3/4" Eurocone adaptors for toweldryer.





## T357M

PRODUCT CODE	SIZE	☐	☒
<b>T357MX011</b>	1/2" x 16 - right	1	25

Angle micrometric valve with thermostatic option for toweldryer, polish chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the right. To complete with R171CY002, R171PY002 probes (Ø12 mm). Centre distance: 35 mm. Piping connection with base 16 adaptors.



## T358M

PRODUCT CODE	SIZE	☐	☒
<b>T358MX011</b>	1/2" x 16 - left	1	25

Angle micrometric valve with thermostatic option for toweldryer, polish chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the left. To be completed with R171CY002, R171PY002 probes (Ø12 mm). Centre distance: 35 mm. Piping connection with base 16 adaptors.



## T178C

PRODUCT CODE	SIZE	☐	☒
<b>T178CX012</b>	16 x Ø10	1	30
<b>T178CX013</b>	16 x Ø12	1	30
<b>T178CX015</b>	16 x Ø14	1	15
<b>T178CX016</b>	16 x Ø15	1	15
<b>T178CX018</b>	16 x Ø16	1	15

Copper pipe adaptor, polish chrome plated for toweldryer. For plumbing systems.



## T179M

PRODUCT CODE	SIZE	☐	☒
<b>T179EX024</b>	3/4" Eurocone x (16 x 2)	1	10
<b>T179MX005</b>	16 x (14 x 2)	1	10
<b>T179MX009</b>	16 x (16 x 2)	1	10
<b>T179MX010</b>	16 x (16 x 2,2)	1	10

Multilayer and plastic pipe adaptor, polish chrome plated for toweldryer. For plumbing systems.



## T177

PRODUCT CODE	SIZE	☐	☒
<b>T177X010</b>	1/2" x 16	1	25

Straight fitting, polish chrome plated brass, female thread and base adaptor connections.



## T357B

PRODUCT CODE	SIZE	☐	☒
<b>T357BX021</b>	1/2" x 16 - right	1	25

Angle micrometric valve with thermostatic option for toweldryer, polish chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the right. To be completed with R171CY002, R171PY002 probes (Ø12 mm). Centre distance: 35 mm. Piping connection with base 16 adaptors.



## T358B

PRODUCT CODE	SIZE	☐	☒
<b>T358BX021</b>	1/2" x 16 - left	1	25

Angle micrometric valve with thermostatic option for toweldryer, polish chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the left. To be completed with R171CY002, R171PY002 probes (Ø12 mm). Centre distance: 35 mm. Piping connection with base 16 adaptors.



## T175D-1

PRODUCT CODE	SIZE	☐	☒
<b>T175DX011</b>	1/2" x 16	1	25

Polish chrome plated front cover for micrometric valves with thermostatic option and T439L double angle lockshield kit.



## T175D

PRODUCT CODE	SIZE	☐	☒
<b>T175DX001</b>	Ø12÷18 mm	1	25

Front cover for copper pipe Ø12÷18 mm, polish chrome plated.



## T15TG

PRODUCT CODE	SIZE	☐	☒
<b>T15TGX004</b>	1/2"	1	25

Polish chrome plated brass tail piece, with self-sealing for toweldryer valves and lockshields.



### SELF-SEALING TAIL-PIECE

Valves are linked to the heating body via a tail piece with a self-sealing gasket in an elastomeric material. Without the need for hemp, paste or other sealing materials, joints can be made quickly and will prove reliable over time.



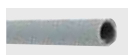
# Valves for twin-pipe system

## R440N

PRODUCT CODE	SIZE	□	⊞
<b>R440NX032</b>	1/2" x 16	5	50

Compact micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 35 mm. Piping connection with base 16 adaptors.

R171P

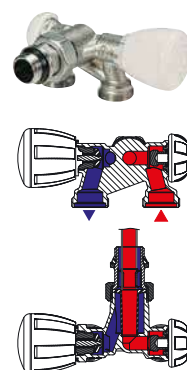


## R358B1

PRODUCT CODE	SIZE	□	⊞
<b>R358BX062</b>	1/2" x 18 - left	1	25

Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the left. To be completed with R171FY002 probes (Ø12 mm). Centre distance: 50 mm. Piping connection with base 18 adaptors.

R171F

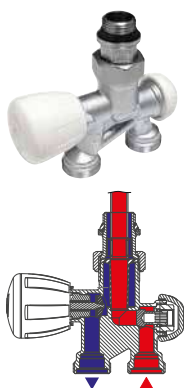


## R356B1

PRODUCT CODE	SIZE	□	⊞
<b>R356BX062</b>	1/2" x 18	1	50

Straight micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the floor. To be completed with R171FY002 probes (Ø12 mm). Centre distance: 50 mm. Piping connection with base 18 adaptors.

R171F

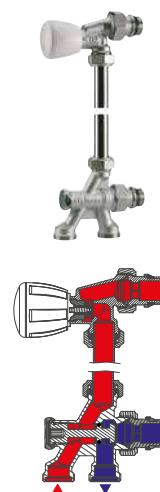


## R438

PRODUCT CODE	SIZE	□	⊞
<b>R438X035</b>	1/2" x 16 (connect.pipe 15 mm)	1	25
<b>R438X036</b>	1/2" x 18 (connect.pipe 15 mm)	1	25
<b>R438X062</b>	1/2" x 16 (connect.pipe 16 mm)	1	25
<b>R438X063</b>	1/2" x 18 (connect.pipe 16 mm)	1	25

Angle valve and lockshield group with thermostatic option and connections from the floor, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. To be completed with R194 chrome plated connection pipe, Ø15 or Ø16 mm. Centre distance base 16: 35 mm. Centre distance base 18: 50 mm. Piping connection with base 16 or base 18 adaptors.

R194

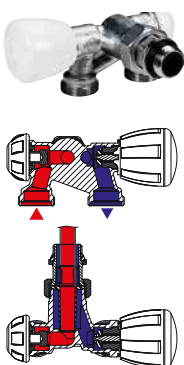


## R357B1

PRODUCT CODE	SIZE	□	⊞
<b>R357BX062</b>	1/2" x 18 - right	1	25

Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the right. To be completed with R171FY002 probes (Ø12 mm). Centre distance: 50 mm. Piping connection with base 18 adaptors.

R171F

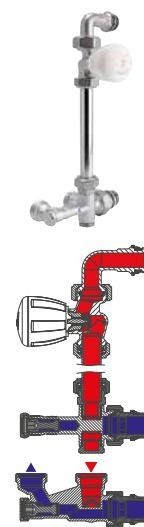


## R438MTG

PRODUCT CODE	SIZE	□	⊞
<b>R438MX033</b>	1/2" x 18 (connect.pipe 16 mm)	1	25
<b>R438MX036</b>	1/2" x 18 (connect.pipe 15 mm)	1	25

Straight valve and lockshield group with thermostatic option and connections from the wall, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. To be completed with R194 chrome plated connection pipe, Ø15 or Ø16 mm. Centre distance: 50 mm. Piping connection with base 18 adaptors.

R194



## Valves for single-pipe system

### R437N

PRODUCT CODE	SIZE	□	⊞
<b>R437NX031</b>	1/2" x 16	5	50

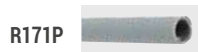
Compact micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 35 mm. Piping connection with base 16 adaptors.



### R437

PRODUCT CODE	SIZE	□	⊞
<b>R437X032</b>	1/2" x 18	5	50

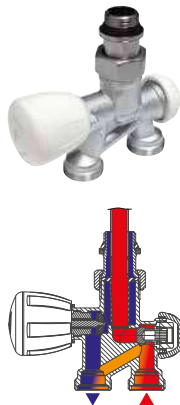
Micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 50 mm. Piping connection with base 18 adaptors.



### R356M1

PRODUCT CODE	SIZE	□	⊞
<b>R356MX061</b>	1/2" x 16	1	50
<b>R356MX062</b>	1/2" x 18	1	50

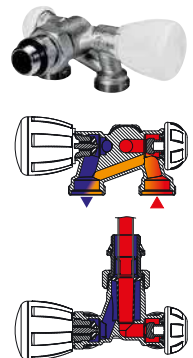
Straight micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the floor. To be completed with R171FY002 probes (Ø12 mm). Centre distance base 16: 35 mm. Centre distance base 18: 50 mm. Piping connection with base 16 or base 18 adaptors.



### R358M1

PRODUCT CODE	SIZE	□	⊞
<b>R358MX062</b>	1/2" x 18	1	25

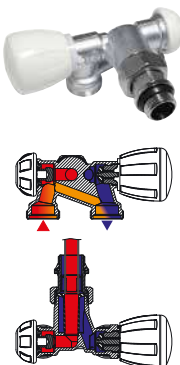
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the left. To be completed with R171FY002 probes (Ø12 mm). Centre distance: 50 mm. Piping connection with base 18 adaptors.



### R357M1

PRODUCT CODE	SIZE	□	⊞
<b>R357MX062</b>	1/2" x 18	1	25

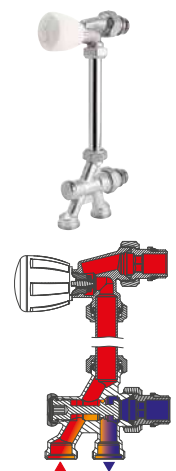
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the right. To be completed with R171FY002 probes (Ø12 mm). Centre distance: 50 mm. Piping connection with base 18 adaptors.



### R436

PRODUCT CODE	SIZE	□	⊞
<b>R436X035</b>	1/2" x 16 (connect.pipe 15 mm)	1	25
<b>R436X036</b>	1/2" x 18 (connect.pipe 15 mm)	1	25
<b>R436X062</b>	1/2" x 16 (connect.pipe 16 mm)	1	25
<b>R436X063</b>	1/2" x 18 (connect.pipe 16 mm)	1	25

Angle valve and lockshield group with thermostatic option and connections from the floor, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. To be completed with R194 chrome plated connection pipe, Ø15 or Ø16 mm. Centre distance base 16: 35 mm. Centre distance base 18: 50 mm. Piping connection with base 16 or base 18 adaptors.



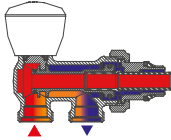
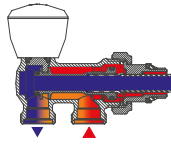
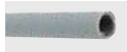
## R314N

PRODUCT CODE	SIZE	□	⊞
<b>R314NX002</b>	1/2" x 16	5	20

Manual valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems.

Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 35 mm. Piping connection with base 16 adaptors.

R171P



## R436M-1

PRODUCT CODE	SIZE	□	⊞
<b>R436MX033</b>	1/2" x 18 (connect.pipe 16 mm)	1	25
<b>R436MX036</b>	1/2" x 18 (connect.pipe 15 mm)	1	25

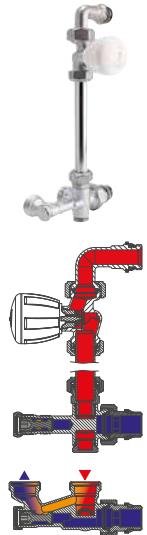
Straight valve and lockshield group with thermostatic option and connections from the wall, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems.

To be completed with R194 chrome plated connection pipe, Ø15 or Ø16 mm.

Centre distance: 50 mm.

Piping connection with base 18 adaptors.

R194



## R314DN

PRODUCT CODE	SIZE	□	⊞
<b>R314DX033</b>	1/2" x 16	1	10

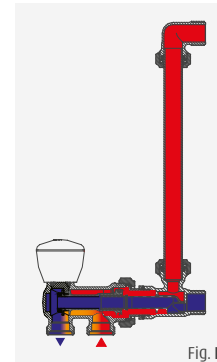
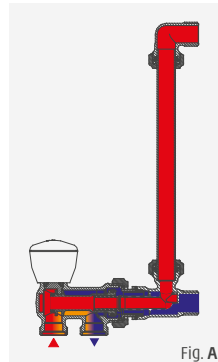
Manual valve and lockshield group, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems.

To be completed with chrome plated connection pipe, Ø15 mm.

Centre distance: 35 mm.

Piping connection with base 16 adaptors.

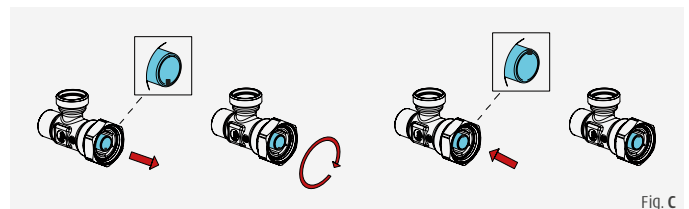
R194



### CONNECTION ARRANGEMENT

The basic configuration provides that the return is close to the radiator and the delivery is on the outside (Fig. A).

If the opposite configuration is necessary (delivery close to the radiator and external return - Fig. B), you must amend the separation group by following the instructions quoted at the bottom (Fig. C).



## Probes

### R171C

PRODUCT CODE	SIZE	□	⊞
<b>R171CY001</b>	Ø11 - 450 mm	1	-
<b>R171CY002</b>	Ø12 - 450 mm	1	-
<b>R171CY003</b>	Ø14 - 450 mm	1	-

Copper probe for single-pipe and twin-pipe valves.



### R171F

PRODUCT CODE	SIZE	□	⊞
<b>R171FY002</b>	Ø12 - 450 mm	1	-
<b>R171FY012</b>	Ø12 - 200 mm	1	-

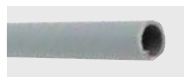
Threaded copper probe for single-pipe and twin-pipe valves.



## R171P

PRODUCT CODE	SIZE		
<b>R171PY001</b>	Ø11 - 450 mm	1	-
<b>R171PY002</b>	Ø12 - 450 mm	1	-
<b>R171PY003</b>	Ø14 - 450 mm	1	-

Plastic probe for single-pipe and twin-pipe valves.



## R194

PRODUCT CODE	SIZE		
<b>R194X002</b>	Ø16 - 600 mm	1	-
<b>R194X003</b>	Ø16 - 900 mm	1	-
<b>R194X004</b>	Ø16 - 1000 mm	1	-
<b>R194X006</b>	Ø16 - 1200 mm	1	-

Chrome plated pipe for the connection of single-pipe/twin-pipe valves with lockshield valves.



SUMMARY TABLE FOR VALVE - PROBE COMBINATIONS

		<b>R171C</b>	<b>R171P</b>	<b>R171F</b>
<b>R440N</b>	1/2"	(Ø12) R171CY002	(Ø12) R171PY002	-
<b>R356B1</b>	1/2"	-	-	(Ø12) R171FY002
<b>R357B1</b>	1/2"	-	-	(Ø12) R171FY002
<b>R358B1</b>	1/2"	-	-	(Ø12) R171FY002
<b>R437N</b>	1/2"	(Ø12) R171CY002	(Ø12) R171PY002	-
<b>R356M1</b>	1/2"	-	-	(Ø12) R171FY002
<b>R357M1</b>	1/2"	-	-	(Ø12) R171FY002
<b>R358M1</b>	1/2"	-	-	(Ø12) R171FY002

## ▶ Valves for panel radiators

### R385T

PRODUCT CODE	SIZE		
<b>R385TX013</b>	3/4"F x 3/4"Eurocone	1	25

Twin-pipe straight valve with thermostatic option for radiator panels and toweldryers. Thermostatic head installation from the right or from the left.

Flat seat connections with gaskets, equipped with self-sealing adaptors. Piping connection with 3/4"Eurocone adaptors.



### R386T

PRODUCT CODE	SIZE		
<b>R386TX013</b>	3/4"F x 3/4"Eurocone	1	25

Twin-pipe angle valve with thermostatic option for radiator panels and toweldryers. Thermostatic head installation from the right or from the left.

Flat seat connections with gaskets, equipped with self-sealing adaptors. Piping connection with 3/4"Eurocone adaptors.



### R387L

PRODUCT CODE	SIZE		
<b>R387LX001</b>	3/4"F x base 18	1	50
<b>R387LX011</b>	1/2"M x base 18	1	50
<b>R387LX002</b>	3/4"F x 3/4"Eurocone	1	50
<b>R387LX012</b>	1/2"M x 3/4"Eurocone	1	50

Straight valve for radiator panels, with integrated thermostatic group, for floor-deriving pipes, nickel plated brass. Flat seat connections with gaskets, including self-sealing adaptors for 3/4"M or 1/2"F panel radiators. Center distance 50 mm. Piping connection with base 18 or 3/4"Eurocone adaptors.

**R387LX001-X002**



**R387LX011-X012**



### R388L

PRODUCT CODE	SIZE		
<b>R388LX001</b>	3/4"F x base 18	1	50
<b>R388LX011</b>	1/2"M x base 18	1	50
<b>R388LX002</b>	3/4"F x 3/4"Eurocone	1	50
<b>R388LX012</b>	1/2"M x 3/4"Eurocone	1	50

Angle valve for radiator panels, with integrated thermostatic group, for wall-deriving pipes, nickel plated brass. Flat seat connections with gaskets, including self-sealing adaptors for 3/4"M or 1/2"F panel radiators. Center distance 50 mm. Piping connection with base 18 or 3/4"Eurocone adaptors.

**R388LX001-X002**



**R388LX011-X012**



## R387

PRODUCT CODE	SIZE	□	⊞
<b>R387X001</b>	3/4"F x 18	5	50
<b>R387X012</b>	1/2"F x 3/4"Eurocone	5	50
<b>R387X002</b>	3/4"F x 3/4"Eurocone	5	50

Straight valve for radiator panels, with lockshields, for floor-deriving pipes, nickel plated brass. Piping connection with base 18 or 3/4"Eurocone adaptors.



## R383

PRODUCT CODE	SIZE	□	⊞
<b>R383X011</b>	1/2"M x 18	4	20
<b>R383X001</b>	3/4"F x 18	4	20
<b>R383X002</b>	3/4"F x 3/4"Eurocone	4	20

Straight valve for radiator panels, with lockshields and possibility to drain water, for floor-deriving pipes, nickel plated brass. Piping connection with base 18 or 3/4"Eurocone adaptors.



## R388

PRODUCT CODE	SIZE	□	⊞
<b>R388X001</b>	3/4"F x 18	5	50
<b>R388X012</b>	1/2"M x 3/4"Eurocone	5	50
<b>R388X002</b>	3/4"F x 3/4"Eurocone	5	50

Straight valve for radiator panels, with lockshields, for wall-deriving pipes, nickel plated brass. Piping connection with base 18 or 3/4"Eurocone adaptors.



## R384

PRODUCT CODE	SIZE	□	⊞
<b>R384X011</b>	1/2"M x 18	5	25
<b>R384X001</b>	3/4"F x 18	5	25
<b>R384X002</b>	3/4"F x 3/4"Eurocone	5	25

Angle valve for radiator panels, with lockshields and possibility to drain water, for wall-deriving pipes, nickel plated brass. Piping connection with base 18 or 3/4"Eurocone adaptors.



## R483

PRODUCT CODE	SIZE	□	⊞
<b>R483Y001</b>	3/4"Eurocone x 3/4" flat seat	50	1.000
<b>R483Y002</b>	1/2" x 3/4"	50	500
<b>R483Y003</b>	1/2" x 3/4"Eurocone	50	500
<b>R483Y011</b>	Ø18	50	1.000

Self-sealing adaptors for R383, R384, R387, R387L, R388, R388L valves.

### INFO

R483Y001, R483Y003: for R383, R384, R387, R388.  
R483Y011, R483Y002: for R387L, R388L.



**R483Y011**



PRODUCT CODE	SIZE	VALVES	LOCKSHIELD VALVES	DISCHARGE	BRANCH	INCLUDED ADAPTOR	OPTIONAL ADAPTOR
<b>R383X001</b>	3/4"F(E)x18	single twin-entry	yes	yes	straight valve	R483Y001	-
<b>R383X002</b>	3/4"F(E)x3/4"M(E)	single twin-entry	yes	yes	-	R483Y001	-
<b>R383X011</b>	1/2"Mx18	single twin-entry	yes	yes	-	R483Y002	-
<b>R384X001</b>	3/4"F(E)x18	single twin-entry	yes	yes	angle valve	R483Y001	-
<b>R384X002</b>	3/4"F(E)x3/4"M(E)	single twin-entry	yes	yes	-	R483Y001	-
<b>R384X011</b>	1/2"Mx18	single twin-entry	yes	yes	-	R483Y002	-
<b>R387X001</b>	3/4"F(E)x18	twin-entry	yes	no	straight valve	-	R483Y003*
<b>R387X002</b>	3/4"F(E)x3/4"M(E)	twin-entry	yes	no	-	-	R483Y003*
<b>R388X001</b>	3/4"F(E)x18	twin-entry	yes	no	angle valve	-	R483Y003*
<b>R388X002</b>	3/4"F(E)x3/4"M(E)	twin-entry	yes	no	-	-	R483Y003*

\* for radiators with 1" connection

## Accessories

### R200

PRODUCT CODE	SIZE	☐	☒
<b>R200X001</b>	1" - right	10	100
<b>R200X002</b>	1" - left	10	100
<b>R200X003</b>	1 1/4" - right	5	50
<b>R200X004</b>	1 1/4" - left	5	50



Automatic air vent valve for radiators, chrome plated brass, with self-sealing.

### R66A

PRODUCT CODE	SIZE	☐	☒
<b>R66AX000</b>	1/8"	50	1.000
<b>R66AX001</b>	1/4"	50	1.000
<b>R66AX002</b>	3/8"	50	500
<b>R66AX003</b>	1/2"	25	250



Manual air vent valve for radiators, complete with handwheel and gasket, chrome plated brass, with self-sealing.

### R90

PRODUCT CODE	SIZE	☐	☒
<b>R90X001</b>	1/4"	100	1.000
<b>R90X002</b>	3/8"	250	500
<b>R90X003</b>	1/2"	200	400



Draining plug with manual air vent valve, chrome-plated brass, with self-sealing.

#### INFO

Use the R74 key to open the valve.

### R91

PRODUCT CODE	SIZE	☐	☒
<b>R91X003</b>	1/2"	250	500



Radiator plug with manual air vent valve, chrome plated brass finishing.

#### INFO

Use the R74 key to open the valve.

### R92

#### BRASS FINISH

PRODUCT CODE	SIZE	☐	☒
<b>R92Y001</b>	1/4"	150	-
<b>R92Y002</b>	3/8"	100	-
<b>R92Y003</b>	1/2"	250	-



#### CHROME PLATED

PRODUCT CODE	SIZE	☐	☒
<b>R92X001</b>	1/4"	150	-
<b>R92X002</b>	3/8"	100	-
<b>R92X003</b>	1/2"	250	-

Radiator plug with self-sealing.

### R74

PRODUCT CODE	SIZE	☐	☒
<b>R74Y001</b>	-	1	150



Key for R90, R91.

### R700

PRODUCT CODE	SIZE	☐	☒
<b>R700Y001</b>	-	5	50



Draining device for R714 and R715 lockshields, brass finish.

### R573D

PRODUCT CODE	SIZE	☐	☒
<b>R573DY003</b>	1/2" x 18	5	50
<b>R573DY002</b>	1/2" x 16	5	50



Angle fitting for domestic water systems, to be embedded just beneath the wall, with connection for copper, plastic or multilayer pipe. Plastic protection for the fitting. Piping connection with base 16 or base 18 adaptors.

### R542

PRODUCT CODE	SIZE	☐	☒
<b>R542Y001</b>	16 x 16	10	40
<b>R542Y002</b>	18 x 18	10	40



Angle fitting for domestic systems, with front cover, for the connection of valves and lockshields. Equipped with chrome plated pipe, 200 mm length. Piping connection with base 16 or base 18 adaptors.

### R541N

PRODUCT CODE	SIZE	☐	☒
<b>R541NX001</b>	1/2" x 16	10	100



Chrome plated cooper pipe with self-sealing connection, 120 mm length.

### R543

PRODUCT CODE	SIZE	☐	☒
<b>R543Y002</b>	16 x 16	1	10
<b>R543Y003</b>	18 x 18	1	20



Double angle fitting for domestic systems, with front cover, for the connection of valves and lockshields. Equipped with chrome plated pipe, 200 mm length. Piping connection with base 16 or base 18 adaptors.

## R173P

PRODUCT CODE	SIZE	☐	☒
R173PX003	1/2"	25	250
R173PX004	3/4"	20	200

Adjustable tail piece with flat seat connection, chrome plated brass.



## R173

PRODUCT CODE	SIZE	☐	☒
R173X002	3/8"	50	500
R173X003	1/2"	25	250
R173X004	3/4"	20	200
R173X005	1"	10	100
R173X006	1 1/4"	5	50
R173X007	1/2" reduced 3/8" *	25	250

\* Tail piece without self-sealing

Adjustable tail piece, chrome plated brass.

### INFO

R173X007: suitable for valve and lockshield 3/8" x 16.



## R173TG

PRODUCT CODE	SIZE	☐	☒
R173X032	3/8"	25	250
R173X033	1/2"	15	150
R173X037	1/2" reduced 3/8"	20	200

Adjustable tail piece with self-sealing, chrome plated brass.

### INFO

R173X037: suitable for valve and lockshield 3/8" x 16.



## R176P

### BRASS FINISH

PRODUCT CODE	SIZE	☐	☒
R176PY008	3/4"F x 3/4"F	5	30

### CHROME PLATED

PRODUCT CODE	SIZE	☐	☒
R176PX003	16 x 16	25	250
R176PX004	18 x 18	25	250
R176PX007	3/4" Eurocone x 3/4" Eurocone	25	250

Fitting with nut.



## R544

PRODUCT CODE	SIZE	☐	☒
R544Y002	1/2" x 16	5	30
R544Y003	1/2" x 18	5	30

Angle fitting for domestic water systems, to be embedded just beneath the wall, with double connection for copper, plastic or multilayer pipe. Plastic protection for the fitting. Piping connection with base 16 or base 18 adaptors.



## R577D

PRODUCT CODE	SIZE	☐	☒
R577DY001	1/2"	10	100

Plastic cap for installation and pressure test of R573D, R573D-1 fittings.



## R542N

PRODUCT CODE	SIZE	☐	☒
R542NY001	16 x 16	10	40

Angle fitting for domestic systems, with front cover, for the connection of valves and lockshields. Equipped with chrome plated pipe, 200 mm length.

Piping connection with base 16 adaptors.



## R175A

PRODUCT CODE	SIZE	☐	☒
R175AY001	Ø12÷18 mm	1	25

Plastic front cover, for pipe Ø12÷18 mm.



## R175B

PRODUCT CODE	SIZE	☐	☒
R175BY001	Ø12÷18 mm	1	20

Plastic front cover for base 16 single-pipe and twin-pipe valves. Centre distance 35 mm. For pipe Ø12÷18 mm.



## R175C

PRODUCT CODE	SIZE	☐	☒
R175CY001	Ø12÷18 mm	1	20

Plastic front cover for base 18 single-pipe and twin-pipe valves. Centre distance 50 mm. For pipe Ø12÷18 mm.



## R453H

PRODUCT CODE	SIZE	☐	☒
R453HY011	For thermostatic heads	50	250
R453HY012	For K470H	50	250

Adaptor for thermostatic heads or K470H chronothermostats for radiators. From Giacomini valve connection to M30x1,5 mm.



## R454D

PRODUCT CODE	SIZE	☐	☒
R454DY001	-	1	-

Anti-tamper screw with bolt, for R455C, R455D.





## R455C

PRODUCT CODE	SIZE		
<b>R455CY001</b>	-	1	100

Protection for R470 thermostatic heads with clamping ring.  
Equipped with R454D security screw.  
For the installation use the R73CY004 key.



## R455C-1

PRODUCT CODE	SIZE		
<b>R455CY101</b>	-	1	-

Protection for R470H thermostatic heads.



## R455D

PRODUCT CODE	SIZE		
<b>R455DY001</b>	-	1	-

Protection for R460 thermostatic heads with clamping ring.  
Equipped with R454D security screw.  
For the installation use the R73CY004 key.



## R455D-1

PRODUCT CODE	SIZE		
<b>R455DY101</b>	-	1	-

Protection for R460H thermostatic heads.



## R454

PRODUCT CODE	SIZE		
<b>R454Y001</b>	Ring for R462, R462L, R463	1	-
<b>R454Y002</b>	Ring for R460, R468, R470	1	-
<b>R454Y003</b>	Anti-tamper ring R460,R468,R470	1	-

Ring for thermostatic heads.



## R73C

PRODUCT CODE	SIZE		
<b>R73CY004</b>	4 mm	1	-
<b>R73CY014</b>	For R454Y003	1	-

Special wrench for the installation of R455C, R455D and R454Y003.



## R73P

PRODUCT CODE	SIZE		
<b>R73PY010</b>	-	1	-

Regulation key for PTG and DB series valves.



## R400

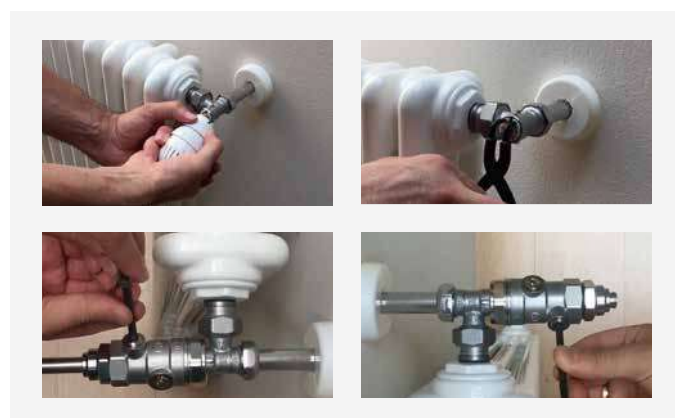
PRODUCT CODE	SIZE		
<b>R400Y001</b>	-	1	25
<b>R453Y001</b>	Ring for R400	1	100

Valve (key) for the bonnet replacement without emptying the system. Suitable for P12AX004, P12AX006 and P12AX011 bonnets.



VIDEO TUTORIAL

If you want to see the complete version of the video tutorial for the bonnet replacement, just use the QR Code in this page



## R79B

PRODUCT CODE	SIZE		
<b>R79BY001</b>	3/8"-1 1/4"	1	25

Key for tail pieces from 3/8" to 1 1/4".



## P56T

PRODUCT CODE	SIZE		
<b>P56TY001</b>	-	1	100

Key for the bonnet replacement of T439L kit.



### INFO

Suitable for P12AX004, P12AX011 bonnets.

## K375



PRODUCT CODE	SIZE		
<b>K375Y021</b>	1l	1	9

PROTECT-UNIVERSAL is a special and fully-organic rust and scale inhibitor, suitable for high and low temperature systems, radiant panels and combined hot/cold circuits. It prevents precipitation of calcium carbonate and is an excellent dispersing agent with low-solubility salts such as sulphates, calcium oxalates and magnesium hydroxide.



## Spare parts for radiator system

### P12A

PRODUCT CODE	SIZE		
<b>P12AX011</b>	3/8" - 1/2" - 3/4"	1	-
<b>P12AX003</b>	1"	1	-
<b>P12AX004</b>	1/2"	1	-
<b>P12AX006</b>	3/8" - 1/2" - 3/4"	1	-



Bonnet for thermostatic valves.

#### INFO



P12AX011: for R553V manifold and 3/8", 1/2", 3/4" valves.

P12AX003: for R401, R402, R421, R422 valves, 1" size.

P12AX004: for R356, R357, R358, R304T, R437, R437N, R440N valves.

P12AX006: spare part kit (bonnet, numbered ring, regulation key, instruction) for PTG valves.



### R450TG

PRODUCT CODE	SIZE		
<b>R450X012</b>	-	1	-
<b>R450X016</b>	-	1	-



Micrometric handwheel for valves with thermostatic option.


### T450C

PRODUCT CODE	SIZE		
<b>T450CX012</b>	3/8" - 1/2"	10	100



Polish chrome plated handwheel for towel dryer valves with thermostatic option.

### P22B-1

PRODUCT CODE	SIZE		
<b>P22BY007</b>	3/8" - 1/2"	1	-
<b>P22BY008</b>	3/4" - 1"	1	-
<b>P22BY009</b>	1 1/4"	1	-



Handwheel for manual valves.


### T22C

PRODUCT CODE	SIZE		
<b>T22CX007</b>	3/8" - 1/2"	1	-



Polish chrome plated handwheel for manual valves.

### P26A

PRODUCT CODE	SIZE		
<b>P26AX004</b>	3/4"	1	-
<b>P26AX005</b>	1"	1	-
<b>P26AX006</b>	1 1/4"	1	-



Chrome plated brass cap for lockshield.

### P26PD

PRODUCT CODE	SIZE		
<b>P26PY012</b>	3/8"	1	50
<b>P26PY013</b>	1/2"	1	50





Plastic cap for lockshields.

#### INFO

P26PY012: for 3/8" iron connection.

P26PY013: for 1/2" iron connection and 3/8" x 16, 1/2" x 16 and 1/2" x 18 adaptor connection.

### T26C

PRODUCT CODE	SIZE		
<b>T26CX003</b>	1/2"	1	-



Polish chrome brass cap for lockshield for towel dryer.

### P15TG

PRODUCT CODE	SIZE		
<b>P15TGX002</b>	3/8"	1	-
<b>P15TGX003</b>	1/2" x 3/8"	1	-
<b>P15TGX004</b>	1/2"	1	-



Brass chrome plated tail piece with self-sealing for valves and lockshields.

#### INFO

P15TGX002: 3/8" x 3/8" tail piece, for versions with 3/8" iron connection.

P15TGX003: 1/2" x 3/8" reduced tail piece, for versions with 1/2" x 16, 1/2" x 18 adaptor connections and 1/2" iron connection.

P15TGX004: 1/2" x 1/2" tail piece, for versions with 1/2" x 16, 1/2" x 18 adaptor connections and 1/2" iron connection.



## P15

PRODUCT CODE	SIZE		
P15Y002	3/8"	1	-
P15Y003	1/2"	1	-
P15Y004	3/4"	1	-
P15Y005	1"	1	-
P15Y006	1 1/4"	1	-

Brass finish tail piece for valves and lockshields.





## T18C

PRODUCT CODE	SIZE		
T18CX003	3/4" x 1/2"	1	-

Brass polish chrome plated nut.





## P15-2

PRODUCT CODE	SIZE		
P15X002	3/8"	1	-
P15X003	1/2"	1	-
P15X004	3/4" *	1	-
P15X005	1" *	1	-
P15X006	1 1/4" *	1	-

Chrome plated tail piece for valves and lockshields.



## P16-1

PRODUCT CODE	SIZE		
P16Y001	-	1	-

Plastic flow separator for R356B1, R356M1, R357B1, R357M1, R358B1, R358M1 valves.





### ⓘ INFO



\* For use with Giacomini valves series.

## P18L

### CHROME PLATED

PRODUCT CODE	SIZE		
P18LX002	5/8" x 3/8"	1	100
P18LX003	3/4" x 1/2"	1	50
P18LX004	1" x 3/4"	1	50
P18LX005	1 1/4" x 1"	1	25
P18LX006	1 1/2" x 1 1/4"	1	100
P18LX013	R437 - R440	1	100
P18LX023	R356 - R357 - R358	1	100



### BRASS FINISHING

PRODUCT CODE	SIZE		
P18LY002	5/8" x 3/8"	1	100
P18LY003	3/4" x 1/2"	1	50
P18LY004	1" x 3/4"	1	50
P18LY005	1 1/4" x 1"	1	25
P18LY006	1 1/2" x 1 1/4"	1	100
P18LY033	3/4" nut for R37 1/2"	1	50
P18LY034	1" nut for R37 3/4"	1	50
P18LY042	5/8" DIN	1	-
P18LY043	3/4" DIN	1	-
P18LY044	1" DIN	1	-

Brass nut, female thread.



## P16-3

PRODUCT CODE	SIZE		
P16Y003	-	1	-

Plastic flow separator for R437, R437N and R440N valves.



# Technical and dimensional data

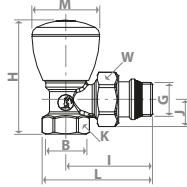
## MANUAL VALVES

Fluids: hot water  
Temperature range: 5÷110 °C

DIMENSIONS IN MM

### R5TG

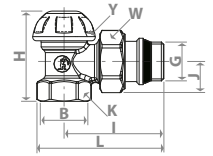
PRODUCT CODE	GXB	H	I	J	K	L	M	W
<b>R5X032</b>	3/8"x3/8"	65	50	19	22	71	42	27
<b>R5X033</b>	1/2"x1/2"	70	53	21	26	74	42	30
<b>R5X034</b>	3/4"x3/4"	79	60	23	32	84	49	38
<b>R5X035</b>	1"x1"	87	68	30	39	92	49	46



### R14TG

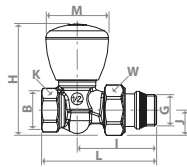
PRODUCT CODE	GXB	H	I	J	K	L	Y	W
<b>R14X032</b>	3/8"x3/8"	43	50	19	22	66	-	27
<b>R14X033</b>	1/2"x1/2"	47	53	21	26	70	-	30
<b>R14X034*</b>	3/4"x3/4"	54	60	23	32	79	35	38
<b>R14X035*</b>	1"x1"	72	68	30	39	90	40	46
<b>R14X036*</b>	1 1/4"x1 1/4"	80	80	34	49	108	45	53

\* Brass cap



### R6TG

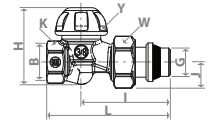
PRODUCT CODE	GXB	H	I	J	K	L	M	W
<b>R6X032</b>	3/8"x3/8"	69	56	15	22	77	42	27
<b>R6X033</b>	1/2"x1/2"	73	60	17	26	84	42	30
<b>R6X034</b>	3/4"x3/4"	86	55	21	32	81	49	38
<b>R6X035</b>	1"x1"	93	69	26	39	106	49	46



### R15TG

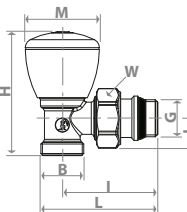
PRODUCT CODE	GXB	H	I	J	K	L	Y	W
<b>R15X032</b>	3/8"x3/8"	47	56	15	22	76	-	27
<b>R15X033</b>	1/2"x1/2"	51	60	17	26	83	-	30
<b>R15X034*</b>	3/4"x3/4"	62	55	21	32	81	35	38
<b>R15X035*</b>	1"x1"	78	69	26	39	106	40	46
<b>R15X036*</b>	1 1/4"x1 1/4"	86	78	30	49	119	45	53

\* Brass cap



### R25TG

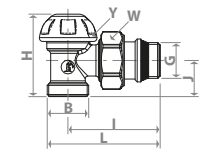
PRODUCT CODE	GXB	H	I	J	L	Y	W
<b>R25X032</b>	3/8"x16	69	53	21	74	42	30
<b>R25X033</b>	1/2"x16	69	53	21	74	42	30
<b>R25X034</b>	1/2"x18	73	54	24	75	42	30
<b>R25X033</b>	3/4"x18	79	60	24	84	49	38
<b>R25X036</b>	3/4" x 22	79	60	24	84	49	38



### R29TG

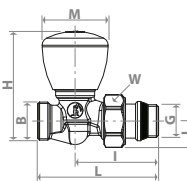
PRODUCT CODE	GXB	H	I	J	L	Y	W
<b>R29X032</b>	3/8"x16	47	53	21	70	-	30
<b>R29X033</b>	1/2"x16	47	53	21	70	-	30
<b>R29X034</b>	1/2"x18	50	54	24	71	-	30
<b>R29X035*</b>	3/4"x18	54	60	24	79	35	38
<b>R29X036*</b>	3/4"x22	61	60	31	79	35	38

\* Brass cap



### R27TG

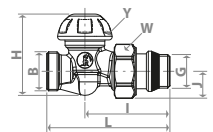
PRODUCT CODE	GXB	H	I	J	L	Y	W
<b>R27X032</b>	3/8"x16	73	52	17	75	42	30
<b>R27X033</b>	1/2"x16	73	52	17	76	42	30
<b>R27X034</b>	1/2"x18	73	52	17	77	42	30
<b>R27X033</b>	3/4"x18	87	55	21	81	49	38
<b>R27X036</b>	3/4" x 22	87	55	21	91	49	38



### R31TG

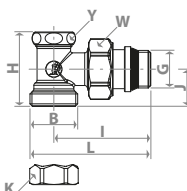
PRODUCT CODE	GXB	H	I	J	L	Y	W
<b>R31X032</b>	3/8"x16	51	52	17	75	-	30
<b>R31X033</b>	1/2"x16	51	52	17	76	-	30
<b>R31X034</b>	1/2"x18	51	52	17	77	-	30
<b>R31X035*</b>	3/4"x18	62	54	21	80	35	38
<b>R31X036*</b>	3/4"x22	62	54	21	84	35	38

\* Brass cap



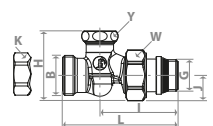
### R16TG

PRODUCT CODE	GXB	H	I	J	K	L	Y	W
<b>R16X032</b>	3/8"x3/8"	35	51	18	21	63	19	27
<b>R16X033</b>	1/2"x1/2"	41	54	21	25	68	22	30
<b>R16EX037</b>	1/2"x3/4"E	41	53	21	-	67	22	30



### R17TG

PRODUCT CODE	GXB	H	I	J	K	L	Y	W
<b>R17X032</b>	3/8"x3/8"	38	52	15	21	72	19	27
<b>R17X033</b>	1/2"x1/2"	45	52	17	25	75	22	30
<b>R17EX037</b>	1/2"x3/4"E	46	52	17	-	76	22	30



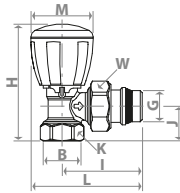
## MICROMETRIC VALVES WITH THERMOSTATIC OPTION

DIMENSIONS IN MM

Fluids: hot water  
 Temperature range: 5÷110 °C  
 Max operating pressure for manual applications: 16 bar  
 Max operating pressure in association with thermostatic head: 10 bar

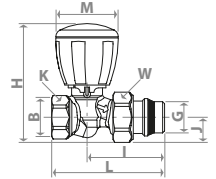
### R421TG

PRODUCT CODE	GxB	H	I	J	K	L	M	W
R421X132	3/8"x3/8"	74	51	20	22	72	42	27
R421X133	1/2"x1/2"	78	53	23	26	74	42	30
R421FX004	3/4"x3/4"	87	58	26	32	76	42	38
R421X034	3/4"x3/4"	79	60	25	32	81	42	38
R421X035	1"x1"	97	72	31	39	94	42	46



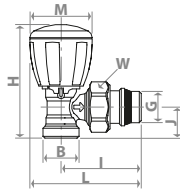
### R422TG

PRODUCT CODE	GxB	H	I	J	K	L	M	W
R422X132	3/8"x3/8"	77	54	15	22	76	42	27
R422X133	1/2"x1/2"	79	55	17	26	82	42	30
R422FX004	3/4"x3/4"	89	61	22	32	93	42	38
R422X034	3/4"x3/4"	83	55	21	32	81	42	38
R422X035	1"x1"	95	64	26	39	105	42	46



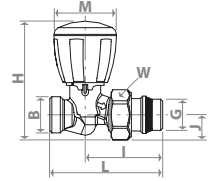
### R431TG

PRODUCT CODE	GxB	H	I	J	L	M	W
R431X032	3/8"x16	75	53	21	74	42	30
R431X033	1/2"x16	75	53	21	74	42	30
R431X034	1/2"x18	75	53	21	74	42	30
R431EX037	1/2"x3/4"E	75	53	21	74	42	30



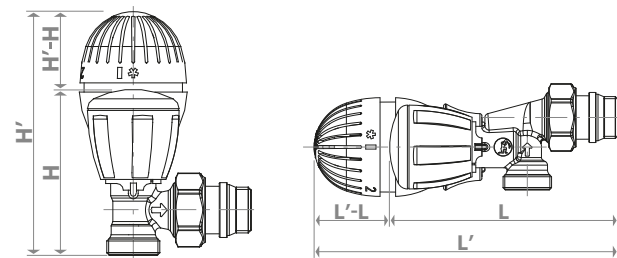
### R432TG

PRODUCT CODE	GxB	H	I	J	L	M	W
R432X032	3/8"x16	79	51	17	74	42	30
R432X033	1/2"x16	79	51	17	75	42	30
R432X034	1/2"x18	79	51	17	76	42	30



#### DIMENSIONS WITH INSTALLED THERMOSTATIC HEAD

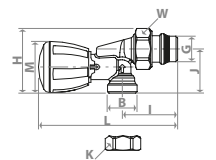
PRODUCT CODE	R460X001	R470X001	R468CX001	R468X001
H'-H	53	35	63	52
LI-L for R435TG	53	35	63	52



### R435TG

PRODUCT CODE	GxB	H	I	J	K	L	M	W
R435X053	1/2"x1/2"*	53	53	36	25	121	42	30
R435X062	1/2"x16	53	45	36	-	113	42	30
R435X043	1/2"x18	53	45	37	-	113	42	30

\* R435X033 hexagonal connection for iron pipe



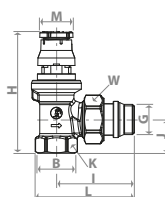
## RADIATOR VALVES WITH THERMOSTATIC OPTION WITH DYNAMIC FLOW BALANCING

DIMENSIONS IN MM

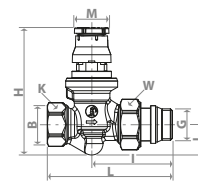
Fluids: water and glycol-based solutions (max. 30 %)  
 Temperature range: 5÷95 °C  
 Max. working pressure for manual applications: 16 bar  
 Max. working pressure in association with thermostatic heads: 10 bar

### DB series

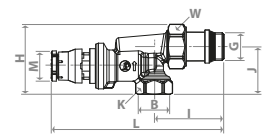
PRODUCT CODE	GXB	H	I	J	K	L	M	W
R401DBX032	3/8" x 3/8"	79	51	20	22	68	23	27
R401DBX033	1/2" x 1/2"	83	53	23	26	71	23	30
R402DBX032	3/8" x 3/8"	83	54	16	22	76	23	27
R402DBX033	1/2" x 1/2"	84	53	20	26	82	23	30
R415DBX033	1/2" x 1/2"	53	53	36	25	129	23	30



R401DB



R402DB



R415DB

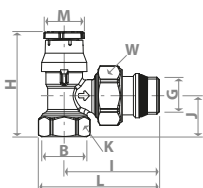
## VALVES WITH THERMOSTATIC OPTION

DIMENSIONS IN MM

Fluids: hot water  
 Temperature range: 5÷110 °C  
 Max operating pressure for manual applications: 16 bar  
 Max operating pressure in association with thermostatic head: 10 bar

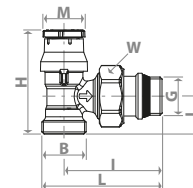
### R401TG-R401PTG

PRODUCT CODE	GxB	H	I	J	K	L	M	W
R401X132	3/8"x3/8"	55	51	20	22	64	23	27
R401X133	1/2"x1/2"	59	53	23	26	68	23	30
R401FX004	3/4"x3/4"	68	62	26	32	76	23	38
R401X034	3/4"x3/4"	60	60	25	32	78	23	38
R401X035	1"x1"	78	72	31	39	94	23	46
R401PX232	3/8"x3/8"	55	51	20	22	64	23	27
R401PX233	1/2"x1/2"	59	53	23	27	68	23	30
R401PX234	3/4"x3/4"	68	61	25	32	79	23	38



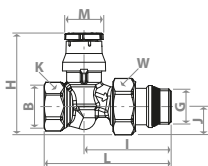
### R411TG-R411PTG

PRODUCT CODE	GXB	H	I	J	L	M	W
R411X032	3/8"x16	56	53	21	66	23	30
R411X033	1/2"x16	56	53	21	66	23	30
R411X034	1/2"x18	56	53	21	66	23	30
R411PX232	3/8"x16	57	53	21	66	23	30
R411PX233	1/2"x16	57	53	21	66	23	30



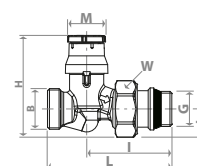
### R402TG-R402PTG

PRODUCT CODE	GXB	H	I	J	K	L	M	W
R402X132	3/8"x3/8"	58	54	15	22	76	23	27
R402X133	1/2"x1/2"	60	55	17	26	82	23	30
R402FX004	3/4"x3/4"	70	61	22	32	97	23	38
R402X034	3/4"x3/4"	64	55	21	32	81	23	38
R402X035	1"x1"	76	64	26	39	105	23	46
R402PX232	3/8"x3/8"	58	54	15	22	76	23	27
R402PX233	1/2"x1/2"	60	55	17	27	82	23	30
R402PX234	3/4"x3/4"	65	56	21	32	82	23	38



### R412TG-R412PTG

PRODUCT CODE	GXB	H	I	J	L	M	W
R412X032	3/8"x16	60	51	17	74	23	30
R412X033	1/2"x16	60	51	17	75	23	30
R412X034	1/2"x18	60	51	17	76	23	30
R412PX232	3/8"x16	61	51	17	75	23	30
R412PX233	1/2"x16	61	51	17	75	23	30

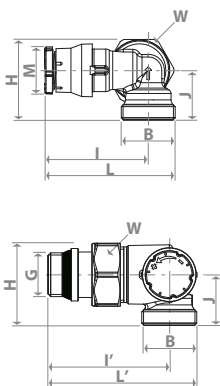


### R403TG

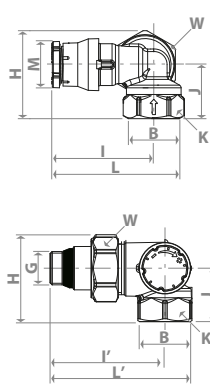
PRODUCT CODE	GXB	H	I	I'	J	L	L'	M	W	K
R403X052	3/8"x3/8" sx	43	50	57	27	65	71	23	30	27
R403X062	3/8"x3/8" dx	43	50	57	27	65	71	23	30	27
R403X054	1/2"x1/2" sx	43	50	57	27	65	71	23	30	27
R403X064	1/2"x1/2" dx	43	50	57	27	65	71	23	30	27
R403X024	1/2"x18 sx	41	50	58	24	63	71	23	30	-
R403X034	1/2"x18 dx	41	50	58	24	63	71	23	30	-

NB: R403X052, R403X062, R403X054, R403X064, R403PX052, R403PX062, R403PX054, R403PX064 hexagonal connection on iron pipe

#### ADAPTOR CONNECTION



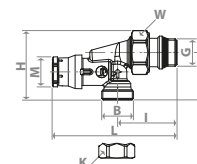
#### IRON PIPE CONNECTION



### R415TG-R415PTG

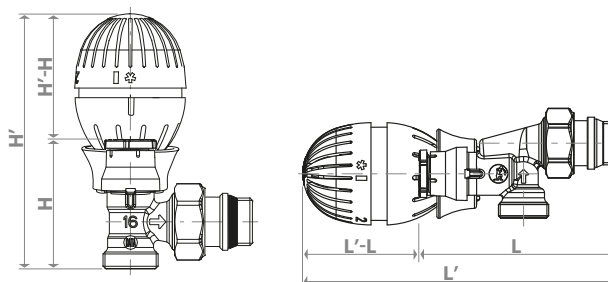
PRODUCT CODE	GXB	H	I	J	K	L	M	W
R415X033	1/2"x1/2"*	53	53	36	25	106	23	30
R415X042	1/2"x16	53	45	36	-	94	23	30
R415X043	1/2"x18	53	45	37	-	94	23	30
R415PX242	1/2"x16	53	45	36	-	95	23	30

\* R415X033 hexagonal connection for iron pipe



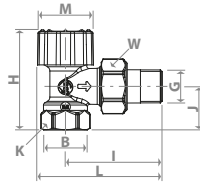
#### DIMENSIONS WITH INSTALLED THERMOSTATIC HEAD

PRODUCT CODE	R460X001	R470X001	R468CX001	R468X001
H'-H	71	54	81	71
LI-L FOR R415PTG	71	54	81	71



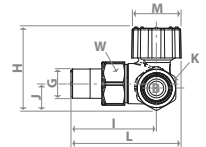
## R401H

PRODUCT CODE	GXB	H	I	J	L	M	W	K
<b>R401HX003</b>	1/2"x 1/2"	61	59	27	76	34	30	27
<b>R401HX004</b>	3/4"x 3/4"	65	66	29	85	34	37	32



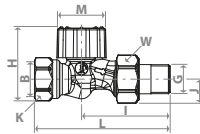
## R403H

PRODUCT CODE	GXB	L	I	H	J	M	W	K
<b>R403HX023</b>	1/2"x 1/2" (sx)	76	59	58	19	34	30	27
<b>R403HX033</b>	1/2"x 1/2" (dx)	76	59	58	19	34	30	27



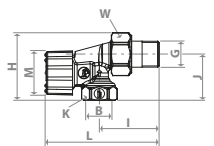
## R402H

PRODUCT CODE	GXB	H	I	J	L	M	W	K
<b>R402HX003</b>	1/2"x 1/2"	53	62	17	94	34	30	27
<b>R402HX004</b>	3/4"x 3/4"	62	70	22	108	34	37	32



## R415H

PRODUCT CODE	GXB	L	I	H	J	M	W	K
<b>R415HX003</b>	1/2"x 1/2"	89	47	53	36	34	30	25



### SINGLE PIPE AND TWO PIPE VALVES

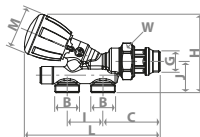
Temperature range: 5÷110 °C

Max. operating pressure: 10 bar

Percentage of power supply to the radiator in the single-pipe version: 47% with manual handwheel, 33% with thermostatic head

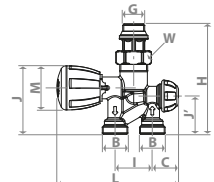
## R440N

PRODUCT CODE	GXB	I	H	J	L	C	M	W
<b>R440NX032</b>	1/2"x16	35	47	30	133	56	42	30



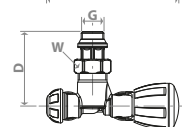
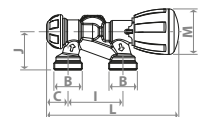
## R356B1

PRODUCT CODE	GXB	I	J	J'	L	C	H	M	W
<b>R356BX062</b>	1/2"x18	50	43	35	116	22	103	42	30



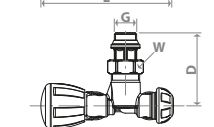
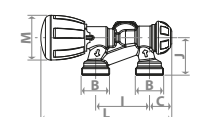
## R357B1

PRODUCT CODE	GXB	I	J	L	C	D	M	W
<b>R357BX062</b>	1/2"x18	50	35	123	22	68	42	30



## R358B1

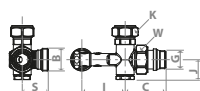
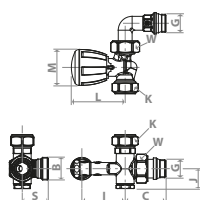
PRODUCT CODE	GXB	I	J	L	C	D	M	W
<b>R358BX062</b>	1/2"x18	50	35	123	22	68	42	30



## R438M

PRODUCT CODE	GXB	I	J	L	C	S	M	K	W
<b>R438MX033</b>	1/2"x18	50	23	62	47	30	42	27	30

The R194 Ø16 tube must be purchased separately

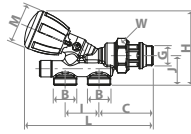


Temperature range: 5÷110 °C  
 Max. operating pressure: 10 bar  
 Percentage of power supply to the radiator in the single-pipe version: 50% with manual handwheel, 35% with thermostatic head

DIMENSIONS IN MM

## R437N

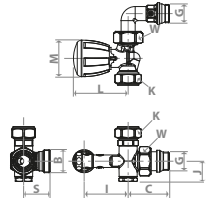
PRODUCT CODE	GXB	I	H	J	L	C	M	W
<b>R437NX031</b>	1/2"x16	35	47	30	133	56	42	30



## R436M-1

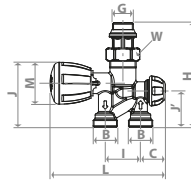
PRODUCT CODE	GXB	I	J	L	C	S	M	K	W
<b>R436MX033</b>	1/2"x18	50	23	62	47	30	42	27	30

The R194 Ø16 tube must be purchased separately



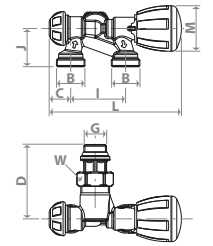
## R356M1

PRODUCT CODE	GXB	I	J	J'	L	C	H	M	K
<b>R356MX061</b>	1/2"x16	35	44	36	115	25	104	42	30
<b>R356MX062</b>	1/2"x18	50	43	35	116	22	103	42	30



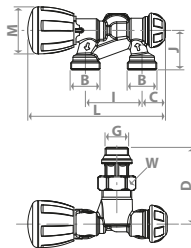
## R357M1

PRODUCT CODE	GXB	I	J	L	C	D	M	W
<b>T357MX011</b>	1/2"x16	35	34	124	31	68	42	30
<b>R357MX062</b>	1/2"x18	50	35	123	22	68	42	30



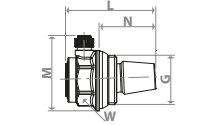
## R358M1

PRODUCT CODE	GXB	I	J	L	C	D	M	W
<b>T358MX011</b>	1/2"x16	35	35	124	31	68	42	30
<b>R358MX062</b>	1/2"x18	50	35	123	22	68	42	30



## R200

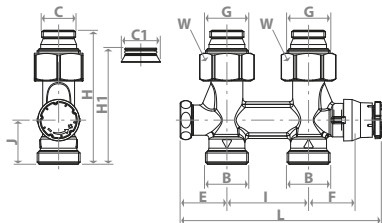
PRODUCT CODE	GXB	L	M	N	W
<b>R200X001</b>	1"dx	60	50	37	31
<b>R200X002</b>	1"sx	60	50	37	31
<b>R200X003</b>	1 1/4"dx	60	62	35	31
<b>R200X004</b>	1 1/4"sx	60	62	35	31



NOTE: temperature range 5÷120 °C  
 max. working pressure 14 bar  
 max. discharge pressure 7 bar

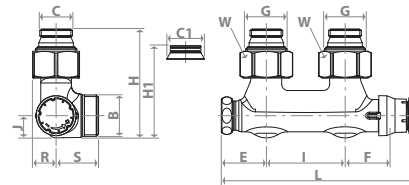
## R385T

PRODUCT CODE	GXB	L	E	I	F	J	W
<b>R385TX013</b>	3/4"F x 3/4"E	124	29	50	28	27	30



## R386T-T386T

PRODUCT CODE	GXB	L	E	I	F	J	W	R	S
<b>R386TX013</b>	3/4"F x 3/4"E	124	29	50	28	14	30	15	27
<b>T386TX013</b>	3/4"F x 3/4"E	124	29	50	28	14	30	15	27



With adaptor	C	C1	H	H1
<b>R483Y001</b>	-	3/4"F	-	57
<b>R483Y002</b>	1/2"M	-	69	-



**Chapter 2** Regardless of its economic value and its size, each component of an optimised system must offer the maximum reliability.

This is why, with our range of pipes, fittings, manifolds and shut-off valves, we want to ensure not only constant performance levels but also absolute peace of mind throughout the working life of the system.



## Manifolds

### *Products*

42	Distribution manifolds
45	Modular manifolds
48	Preassembled manifolds
52	Mixing units
54	Thermo-electric actuators and temperature limiters
55	Cabinets and brackets for manifolds
56	End pieces and accessories for manifolds
59	Manifolds for domestic water systems
60	Modular manifolds for domestic water systems
62	Cabinets and brackets for manifolds (for domestic water systems)
63	Spare parts for manifolds

64	<i>Combination of manifolds and accessories</i>
----	---

68	<i>Technical and dimensional data</i>
----	---------------------------------------

## ➤ Distribution manifolds

### R551

#### OUTLETS CENTER DISTANCE 50 MM

PRODUCT CODE	SIZE	☐	☒
R551Y022	3/4" x 1/2" /2	1	50
R551Y023	3/4" x 1/2" /3	1	50
R551Y024	3/4" x 1/2" /4	1	10
R551Y025	3/4" x 1/2" /5	1	10
R551Y026	3/4" x 1/2" /6	1	10
R551Y027	3/4" x 1/2" /7	1	15
R551Y028	3/4" x 1/2" /8	1	15
R551Y029	3/4" x 1/2" /9	1	15
R551Y030	3/4" x 1/2" /10	1	-
R551Y031	3/4" x 1/2" /11	1	-
R551Y032	3/4" x 1/2" /12	1	10
R551Y062	1" x 1/2" /2	1	15
R551Y063	1" x 1/2" /3	1	12
R551Y064	1" x 1/2" /4	1	6
R551Y065	1" x 1/2" /5	1	8
R551Y066	1" x 1/2" /6	1	8
R551Y067	1" x 1/2" /7	1	10
R551Y068	1" x 1/2" /8	1	10
R551Y069	1" x 1/2" /9	1	10
R551Y070	1" x 1/2" /10	1	8
R551Y071	1" x 1/2" /11	1	10
R551Y072	1" x 1/2" /12	1	6
R551Y082	1 1/4" x 1/2" /2	1	10
R551Y083	1 1/4" x 1/2" /3	1	10
R551Y084	1 1/4" x 1/2" /4	1	5
R551Y085	1 1/4" x 1/2" /5	1	5
R551Y086	1 1/4" x 1/2" /6	1	5
R551Y087	1 1/4" x 1/2" /7	1	7
R551Y088	1 1/4" x 1/2" /8	1	7
R551Y089	1 1/4" x 1/2" /9	1	7
R551Y090	1 1/4" x 1/2" /10	1	7
R551Y091	1 1/4" x 1/2" /11	1	6
R551Y092	1 1/4" x 1/2" /12	1	5



Distribution manifold with female threaded outlets.

Temperature range: 5-110 °C

Max. working pressure: 16 bar

Production on customized drawing available, after an assessment of our Technical Department.

#### OUTLETS CENTER DISTANCE 70 MM

PRODUCT CODE	SIZE	☐	☒
R551Y102	1 1/4" x 3/4" /2	1	8
R551Y103	1 1/4" x 3/4" /3	1	5
R551Y104	1 1/4" x 3/4" /4	1	5
R551Y105	1 1/4" x 3/4" /5	1	8
R551Y106	1 1/4" x 3/4" /6	1	7

#### OUTLETS CENTER DISTANCE 100 MM

R551Y182	1 1/2" x 1" /2	1	3
R551Y183	1 1/2" x 1" /3	1	3
R551Y184	1 1/2" x 1" /4	1	5
R551Y185	1 1/2" x 1" /5	1	5
R551Y186	1 1/2" x 1" /6	1	3
R551Y187	1 1/2" x 1" /7	1	3
R551Y188	1 1/2" x 1" /8	1	3
R551Y189	1 1/2" x 1" /9	1	2
R551Y190	1 1/2" x 1" /10	1	2
R551Y191	1 1/2" x 1" /11	1	2
R551Y192	1 1/2" x 1" /12	1	-
R551Y162	2" x 1" /2	1	4
R551Y163	2" x 1" /3	1	4
R551Y164	2" x 1" /4	1	2
R551Y165	2" x 1" /5	1	2
R551Y166	2" x 1" /6	1	2



## R551S

### BASE 18

PRODUCT CODE	SIZE		
R551SY002	3/4" x 18 /2	1	16
R551SY003	3/4" x 18 /3	1	15
R551SY004	3/4" x 18 /4	1	7
R551SY005	3/4" x 18 /5	1	8
R551SY006	3/4" x 18 /6	1	6
R551SY007	3/4" x 18 /7	1	10
R551SY008	3/4" x 18 /8	1	10
R551SY009	3/4" x 18 /9	1	10
R551SY010	3/4" x 18 /10	1	10
R551SY011	3/4" x 18 /11	1	10
R551SY022	1" x 18 /2	1	12
R551SY023	1" x 18 /3	1	10
R551SY024	1" x 18 /4	1	5
R551SY025	1" x 18 /5	1	5
R551SY026	1" x 18 /6	1	5
R551SY027	1" x 18 /7	1	8
R551SY028	1" x 18 /8	1	6
R551SY029	1" x 18 /9	1	8
R551SY030	1" x 18 /10	1	6
R551SY031	1" x 18 /11	1	7
R551SY032	1" x 18 /12	1	7
R551SY042	1 1/4" x 18 /2	1	8
R551SY043	1 1/4" x 18 /3	1	4
R551SY044	1 1/4" x 18 /4	1	4
R551SY045	1 1/4" x 18 /5	1	4
R551SY046	1 1/4" x 18 /6	1	3
R551SY047	1 1/4" x 18 /7	1	5
R551SY048	1 1/4" x 18 /8	1	5
R551SY049	1 1/4" x 18 /9	1	5
R551SY050	1 1/4" x 18 /10	1	6
R551SY051	1 1/4" x 18 /11	1	5
R551SY052	1 1/4" x 18 /12	1	5

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



Distribution manifold with outlets with base or Eurocone adaptor connections.  
Outlets centre distance 50 mm.  
Temperature range: 5-110 °C  
Max. working pressure: 16 bar



### EUROCONE CONNECTION

PRODUCT CODE	SIZE		
R551SY062	1" x 3/4" Eurocone /2	1	30
R551SY063	1" x 3/4" Eurocone /3	1	20
R551SY064	1" x 3/4" Eurocone /4	1	20
R551SY065	1" x 3/4" Eurocone /5	1	20
R551SY066	1" x 3/4" Eurocone /6	1	10
R551SY067	1" x 3/4" Eurocone /7	1	10
R551SY068	1" x 3/4" Eurocone /8	1	10
R551SY069	1" x 3/4" Eurocone /9	1	10
R551SY070	1" x 3/4" Eurocone /10	1	10
R551SY071	1" x 3/4" Eurocone /11	1	10
R551SY082	3/4" x 3/4" Eurocone /2	1	30
R551SY083	3/4" x 3/4" Eurocone /3	1	20
R551SY084	3/4" x 3/4" Eurocone /4	1	20
R551SY085	3/4" x 3/4" Eurocone /5	1	20
R551SY086	3/4" x 3/4" Eurocone /6	1	10
R551SY087	3/4" x 3/4" Eurocone /7	1	10
R551SY088	3/4" x 3/4" Eurocone /8	1	10
R551SY089	3/4" x 3/4" Eurocone /9	1	10

For connection to the pipe use the base 3/4" Eurocone adaptors

## R582A

PRODUCT CODE	SIZE		
R582AY002	1 1/4" x 3/4" /2	1	20
R582AY003	1 1/4" x 3/4" /3	1	10
R582AY004	1 1/4" x 3/4" /4	1	10
R582AY005	1 1/4" x 3/4" /5	1	10
R582AY006	1 1/4" x 3/4" /6	1	5



Distribution manifold with female threaded outlets.  
Outlets centre distance: 100 mm.  
Temperature range: 5-110 °C  
Max. working pressure: 16 bar

## R553S

### BASE 18

PRODUCT CODE	SIZE	□	⊞
R553SY002	1" x 18 /2	1	10
R553SY003	1" x 18 /3	1	10
R553SY004	1" x 18 /4	1	5
R553SY005	1" x 18 /5	1	5
R553SY006	1" x 18 /6	1	5
R553SY007	1" x 18 /7	1	6
R553SY008	1" x 18 /8	1	6
R553SY009	1" x 18 /9	1	6
R553SY010	1" x 18 /10	1	6
R553SY011	1" x 18 /11	1	6
R553SY012	1" x 18 /12	1	6
R553SY022	1 1/4" x 18 /2	1	8
R553SY023	1 1/4" x 18 /3	1	6
R553SY024	1 1/4" x 18 /4	1	3
R553SY025	1 1/4" x 18 /5	1	4
R553SY026	1 1/4" x 18 /6	1	4
R553SY027	1 1/4" x 18 /7	1	5
R553SY028	1 1/4" x 18 /8	1	5
R553SY029	1 1/4" x 18 /9	1	5
R553SY030	1 1/4" x 18 /10	1	5
R553SY031	1 1/4" x 18 /11	1	5
R553SY032	1 1/4" x 18 /12	1	5

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



Delivery manifold with lockshields, with outlets with base or Eurocone adaptor connections. Outlets centre distance 50 mm. Temperature range: 5÷110 °C. Max. working pressure: 10 bar

#### INFO

Use key R558 or R558N for the balancing.



### EUROCONE CONNECTION

PRODUCT CODE	SIZE	□	⊞
R553SY042	1" x 3/4" Eurocone /2	1	10
R553SY043	1" x 3/4" Eurocone /3	1	10
R553SY044	1" x 3/4" Eurocone /4	1	5
R553SY045	1" x 3/4" Eurocone /5	1	5
R553SY046	1" x 3/4" Eurocone /6	1	5
R553SY047	1" x 3/4" Eurocone /7	1	6
R553SY048	1" x 3/4" Eurocone /8	1	6
R553SY049	1" x 3/4" Eurocone /9	1	6
R553SY050	1" x 3/4" Eurocone /10	1	6

For connection to the pipe use the base 3/4" Eurocone adaptors

## R553M

### BASE 18

PRODUCT CODE	SIZE	□	⊞
R553MY002	1" x 18 /2	1	10
R553MY003	1" x 18 /3	1	10
R553MY004	1" x 18 /4	1	10
R553MY005	1" x 18 /5	1	-
R553MY006	1" x 18 /6	1	-
R553MY007	1" x 18 /7	1	-
R553MY008	1" x 18 /8	1	-
R553MY009	1" x 18 /9	1	-
R553MY010	1" x 18 /10	1	-
R553MY011	1" x 18 /11	1	-
R553MY012	1" x 18 /12	1	-
R553MY102	1" x 18 /2 *	1	10
R553MY103	1" x 18 /3 *	1	10
R553MY104	1" x 18 /4 *	1	10
R553MY105	1" x 18 /5 *	1	-
R553MY106	1" x 18 /6 *	1	-
R553MY107	1" x 18 /7 *	1	-
R553MY108	1" x 18 /8 *	1	-
R553MY109	1" x 18 /9 *	1	-
R553MY110	1" x 18 /10 *	1	-
R553MY111	1" x 18 /11 *	1	-
R553MY112	1" x 18 /12 *	1	-
R553MY124	1 1/4" x 18 /4 *	1	-
R553MY125	1 1/4" x 18 /5 *	1	-
R553MY126	1 1/4" x 18 /6 *	1	-
R553MY127	1 1/4" x 18 /7 *	1	-
R553MY128	1 1/4" x 18 /8 *	1	-
R553MY129	1 1/4" x 18 /9 *	1	-
R553MY130	1 1/4" x 18 /10 *	1	-
R553MY131	1 1/4" x 18 /11 *	1	-
R553MY132	1 1/4" x 18 /12 *	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



Delivery manifold with lockshields and flow meters (scale: 0.5-5 l/min), with outlets with base or Eurocone adaptor connections. Outlets centre distance 50 mm. Temperature range: 5÷110 °C. Max. working pressure: 10 bar

#### INFO

Use key R558 or R558N for the balancing.



### EUROCONE CONNECTION



PRODUCT CODE	SIZE	□	⊞
R553MY042	1" x 3/4" Eurocone /2	1	10
R553MY043	1" x 3/4" Eurocone /3	1	10
R553MY044	1" x 3/4" Eurocone /4	1	10
R553MY045	1" x 3/4" Eurocone /5	1	-
R553MY046	1" x 3/4" Eurocone /6	1	-
R553MY047	1" x 3/4" Eurocone /7	1	-
R553MY048	1" x 3/4" Eurocone /8	1	-
R553MY049	1" x 3/4" Eurocone /9	1	-
R553MY050	1" x 3/4" Eurocone /10	1	-
R553MY051	1" x 3/4" Eurocone /11	1	-
R553MY052	1" x 3/4" Eurocone /12	1	-

For connection to the pipe use the base 3/4" Eurocone adaptors

\* With flow meters scale 0,4-2,6 l/min.

## R553V

### BASE 18



PRODUCT CODE	SIZE		
R553VY002	1" x 18 /2	1	6
R553VY003	1" x 18 /3	1	6
R553VY004	1" x 18 /4	1	2
R553VY005	1" x 18 /5	1	3
R553VY006	1" x 18 /6	1	3
R553VY007	1" x 18 /7	1	4
R553VY008	1" x 18 /8	1	3
R553VY009	1" x 18 /9	1	4
R553VY010	1" x 18 /10	1	3
R553VY011	1" x 18 /11	1	3
R553VY012	1" x 18 /12	1	4
R553VY022	1 1/4" x 18 /2	1	5
R553VY023	1 1/4" x 18 /3	1	2
R553VY024	1 1/4" x 18 /4	1	2
R553VY025	1 1/4" x 18 /5	1	2
R553VY026	1 1/4" x 18 /6	1	2
R553VY027	1 1/4" x 18 /7	1	3
R553VY028	1 1/4" x 18 /8	1	3
R553VY029	1 1/4" x 18 /9	1	3
R553VY030	1 1/4" x 18 /10	1	3
R553VY031	1 1/4" x 18 /11	1	3
R553VY032	1 1/4" x 18 /12	1	3

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



Return manifold with shut-off valves with manual handwheels, with outlets with base or Eurocone adaptor connections. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators. Outlets centre distance 50 mm. Temperature range: 5÷110 °C. Max. working pressure: 10 bar

### EUROCONE CONNECTION

PRODUCT CODE	SIZE		
R553VY042	1" x 3/4" Eurocone /2	1	15
R553VY043	1" x 3/4" Eurocone /3	1	10
R553VY044	1" x 3/4" Eurocone /4	1	10
R553VY045	1" x 3/4" Eurocone /5	1	10
R553VY046	1" x 3/4" Eurocone /6	1	10
R553VY047	1" x 3/4" Eurocone /7	1	5
R553VY048	1" x 3/4" Eurocone /8	1	5
R553VY049	1" x 3/4" Eurocone /9	1	5
R553VY050	1" x 3/4" Eurocone /10	1	5
R553VY051	1" x 3/4" Eurocone /11	1	5
R553VY052	1" x 3/4" Eurocone /12	1	5

For connection to the pipe use the base 3/4" Eurocone adaptors

## ➤ Modular manifolds

### R583D

PRODUCT CODE	SIZE		
R583DY012	1" x 18 /2	1	5
R583DY013	1" x 18 /3	1	8

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



Modular manifold with lockshields, with outlets with base adaptor connections. Outlets centre distance 50 mm. Temperature range: 5÷110 °C. Max. working pressure: 10 bar

#### ⓘ INFO

Use key R558 or R558N for the balancing.



### R583V



PRODUCT CODE	SIZE		
R583VY032	1" x 18 /2	1	4
R583VY033	1" x 18 /3	1	8

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

Modular manifold with shut-off valves with manual handwheels, with outlets with base adaptor connections. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators. Outlets centre distance 50 mm. Temperature range: 5÷110 °C. Max. working pressure: 10 bar



## R583DD

PRODUCT CODE	SIZE		
<b>R583DY002</b>	1" x 18 /2	1	10
<b>R583DY003</b>	1" x 18 /3	1	10

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

Modular manifolds (delivery and return) with lockshields, with outlets with base adaptor connections.

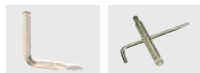
Outlets centre distance 50 mm.

Temperature range: 5÷110 °C



Max. working pressure: 10 bar

### INFO

Use key R558 or R558N for the balancing.



## R583VD

PRODUCT CODE	SIZE		
<b>R583Y062</b>	1" x 18 /2	1	10
<b>R583Y063</b>	1" x 18 /3	1	10

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

Modular manifolds with outlets with base adaptor connections: delivery manifold with lockshields and return manifold with shut-off valves with manual handwheels. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

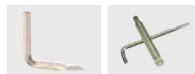
Outlets centre distance 50 mm.

Temperature range: 5÷110 °C


Max. working pressure: 10 bar

### INFO

Use key R558 or R558N for the balancing.



## R580M

PRODUCT CODE	SIZE		
<b>R580MY006</b>	DN32 x 18	1	50
<b>R580MY106</b>	DN32 x 3/4" Eurocone	1	50

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Modular manifold with quick connection, with outlets with base or Eurocone adaptor connections.

DN25: outlets centre distance 35 mm.



DN32: outlets centre distance 50 mm.

Temperature range: 5÷90 °C

Max. working pressure: 10 bar



## R580T

PRODUCT CODE	SIZE		
<b>R580TY006</b>	DN32 x 1" x 18	1	40
<b>R580TY106</b>	DN32 x 1" x 3/4" Eurocone	1	40

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Start and end module of modular manifolds, with quick connections, with outlets with base or Eurocone adaptor connections.

DN25: outlets centre distance 35 mm.

DN32: outlets centre distance 50 mm.

Temperature range: 5÷90 °C

Max. working pressure: 10 bar



## R53SM

PRODUCT CODE	SIZE		
<b>R53SMY006</b>	DN32 x 18	1	20
<b>R53SMY106</b>	DN32 x 3/4" Eurocone	1	20

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Modular manifold with lockshield, with quick connection, with outlets with base or Eurocone adaptor connections.

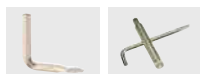
DN32: outlets centre distance 50 mm.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

### INFO

Use key R558 or R558N for the balancing.



## R53ST

PRODUCT CODE	SIZE		
<b>R53STY006</b>	DN32 x 1" x 18	1	20
<b>R53STY007</b>	DN32 x 1 1/4" x 18	1	20
<b>R53STY106</b>	DN32 x 1" x 3/4" Eurocone	1	20
<b>R53STY107</b>	DN32 x 1 1/4" x 3/4" Eurocone	1	20

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Start and end module of modular manifolds with lockshields, with quick connections, with outlets with base or Eurocone adaptor connections.

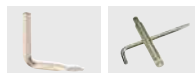
DN32: outlets centre distance 50 mm.

Temperature range: 5÷110 °C



Max. working pressure: 10 bar

### INFO

Use key R558 or R558N for the balancing.



## R53MM

PRODUCT CODE	SIZE		
<b>R53MMY006</b>	<b>DN32 x 18</b>	1	20
<b>R53MMY106</b>	DN32 x 3/4" Eurocone	1	20

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors



Modular manifolds with lockshield and flow meter (scale 0,5-5 L/min), with quick connection, with outlets with base or Eurocone adaptor connections.  
DN32: outlets centre distance 50 mm.  
Temperature range: 5÷110 °C  
Max. working pressure: 10 bar

### INFO

Use key R558 or R558N for the balancing.



## R53MT

PRODUCT CODE	SIZE		
<b>R53MTY006</b>	<b>DN32 x 1" x 18</b>	1	20
<b>R53MTY007</b>	<b>DN32 x 1 1/4" x 18</b>	1	20
<b>R53MTY106</b>	DN32 x 1" x 3/4" Eurocone	1	20
<b>R53MTY107</b>	DN32 x 1 1/4" x 3/4" Eurocone	1	20

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Start and end module of modular manifolds with lockshield and flow meter (scale 0,5-5 L/min), with quick connection, with outlets with base or Eurocone adaptor connections.  
DN32: outlets centre distance 50 mm.  
Temperature range: 5÷110 °C  
Max. working pressure: 10 bar

### INFO

Use key R558 or R558N for the balancing.



## R53VM



PRODUCT CODE	SIZE		
<b>R53VMY006</b>	<b>DN32 x 18</b>	1	20
<b>R53VMY106</b>	DN32 x 3/4" Eurocone	1	20

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Modular manifold with shut-off valves with manual handwheel, with quick connection, with outlets with base or Eurocone adaptor connections. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.  
DN32: outlets centre distance 50 mm.  
Temperature range: 5÷110 °C  
Max. working pressure: 10 bar



## R53VT

PRODUCT CODE	SIZE		
<b>R53VTY006</b>	<b>DN32 x 1" x 18</b>	1	20
<b>R53VTY007</b>	<b>DN32 x 1 1/4" x 18</b>	1	20
<b>R53VTY106</b>	DN32 x 1" x 3/4" Eurocone	1	20
<b>R53VTY107</b>	DN32 x 1 1/4" x 3/4" Eurocone	1	20

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Start and end module of modular manifolds with shut-off valves with manual handwheels, with quick connections, with outlets with base or Eurocone adaptor connections. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.  
DN32: outlets centre distance 50 mm.  
Temperature range: 5÷110 °C  
Max. working pressure: 10 bar



### WHY R53 MODULAR MANIFOLDS?

Quick-fit modular manifolds represent an extremely versatile solution for rapid installation with a number of outputs varying based on the worksite requirements.

- Extremely easy to install reduced workforce
- Extremely wide range of models (with manual valve, lockshield valve, flow meter and lockshield valve)



1. Place the R53M/S/V modules side by side with a vertical axis rotated by 90° one towards the other and lightly push all the way in the axial direction



2. To finish the distribution manifold and connect it to the accessories use a pair of R53MT/ST/VT terminals with 1" or 1 1/4" threads



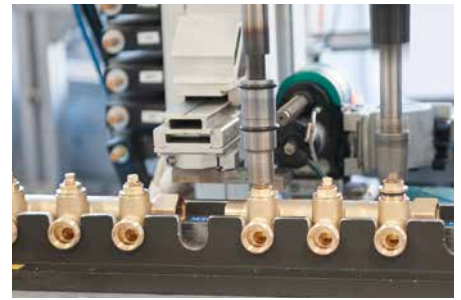
3. The protection cap of the balancing lockshield valve is on the front of the modules



4. Balance the circuits with a R558 wrench



## ➤ Preassembled manifolds



### R553D

#### BASE 18

PRODUCT CODE	SIZE	☐	☒
R553Y002	1" x 18 /2	1	-
R553Y003	1" x 18 /3	1	-
R553Y004	1" x 18 /4	1	-
R553Y005	1" x 18 /5	1	-
R553Y006	1" x 18 /6	1	-
R553Y007	1" x 18 /7	1	-
R553Y008	1" x 18 /8	1	-
R553Y009	1" x 18 /9	1	-
R553Y010	1" x 18 /10	1	-
R553Y011	1" x 18 /11	1	-
R553Y012	1" x 18 /12	1	-
R553Y022	1 1/4" x 18 /2	1	-
R553Y023	1 1/4" x 18 /3	1	-
R553Y024	1 1/4" x 18 /4	1	-
R553Y025	1 1/4" x 18 /5	1	-
R553Y026	1 1/4" x 18 /6	1	-
R553Y027	1 1/4" x 18 /7	1	-
R553Y028	1 1/4" x 18 /8	1	-
R553Y029	1 1/4" x 18 /9	1	-
R553Y030	1 1/4" x 18 /10	1	-
R553Y031	1 1/4" x 18 /11	1	-
R553Y032	1 1/4" x 18 /12	1	-
R553ZY002	1" x 18 /2 *	1	-
R553ZY003	1" x 18 /3 *	1	-
R553ZY004	1" x 18 /4 *	1	-
R553ZY005	1" x 18 /5 *	1	-
R553ZY006	1" x 18 /6 *	1	-
R553ZY007	1" x 18 /7 *	1	-
R553ZY008	1" x 18 /8 *	1	-
R553ZY009	1" x 18 /9 *	1	-
R553ZY010	1" x 18 /10 *	1	-
R553ZY011	1" x 18 /11 *	1	-
R553ZY012	1" x 18 /12 *	1	-
R553ZY022	1 1/4" x 18 /2 *	1	-
R553ZY023	1 1/4" x 18 /3 *	1	-
R553ZY024	1 1/4" x 18 /4 *	1	-
R553ZY025	1 1/4" x 18 /5 *	1	-
R553ZY026	1 1/4" x 18 /6 *	1	-
R553ZY027	1 1/4" x 18 /7 *	1	-
R553ZY028	1 1/4" x 18 /8 *	1	-
R553ZY029	1 1/4" x 18 /9 *	1	-
R553ZY030	1 1/4" x 18 /10 *	1	-
R553ZY031	1 1/4" x 18 /11 *	1	-
R553ZY032	1 1/4" x 18 /12 *	1	-



Preassembled manifold for HVAC systems.

Composed of:

- 1 delivery manifold with lockshields.
- 1 return manifold with shut-off valves with manual handwheels.
- Metallic brackets.
- Labels to identify circuits.

Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators. Outlets with base or Eurocone adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

#### ⓘ INFO

Use key R558 (included) or R558N for the balancing.



#### EUROCONE CONNECTION

PRODUCT CODE	SIZE	☐	☒
R553EY002	1" x 3/4" Eurocone /2	1	-
R553EY003	1" x 3/4" Eurocone /3	1	-
R553EY004	1" x 3/4" Eurocone /4	1	-
R553EY005	1" x 3/4" Eurocone /5	1	-
R553EY006	1" x 3/4" Eurocone /6	1	-
R553EY007	1" x 3/4" Eurocone /7	1	-
R553EY008	1" x 3/4" Eurocone /8	1	-
R553EY009	1" x 3/4" Eurocone /9	1	-
R553EY010	1" x 3/4" Eurocone /10	1	-
R553EY011	1" x 3/4" Eurocone /11	1	-
R553EY012	1" x 3/4" Eurocone /12	1	-
R553ZY042	1" x 3/4" Eurocone /2	1	-
R553ZY043	1" x 3/4" Eurocone /3	1	-
R553ZY044	1" x 3/4" Eurocone /4	1	-
R553ZY045	1" x 3/4" Eurocone /5	1	-
R553ZY046	1" x 3/4" Eurocone /6	1	-
R553ZY047	1" x 3/4" Eurocone /7	1	-
R553ZY048	1" x 3/4" Eurocone /8	1	-
R553ZY049	1" x 3/4" Eurocone /9	1	-
R553ZY050	1" x 3/4" Eurocone /10	1	-
R553ZY051	1" x 3/4" Eurocone /11	1	-
R553ZY052	1" x 3/4" Eurocone /12	1	-

For connection to the pipe use the base 3/4" Eurocone adaptors

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

\* Manifold with reduced brackets R588Z, for mounting inside the R500-2 cabinets.

# R553F

## BASE 18

PRODUCT CODE	SIZE		
R553FY002	1" x 18 /2	1	-
R553FY003	1" x 18 /3	1	-
R553FY004	1" x 18 /4	1	-
R553FY005	1" x 18 /5	1	-
R553FY006	1" x 18 /6	1	-
R553FY007	1" x 18 /7	1	-
R553FY008	1" x 18 /8	1	-
R553FY009	1" x 18 /9	1	-
R553FY010	1" x 18 /10	1	-
R553FY011	1" x 18 /11	1	-
R553FY012	1" x 18 /12	1	-
R553FY102	1" x 18 /2 **	1	-
R553FY103	1" x 18 /3 **	1	-
R553FY104	1" x 18 /4 **	1	-
R553FY105	1" x 18 /5 **	1	-
R553FY106	1" x 18 /6 **	1	-
R553FY107	1" x 18 /7 **	1	-
R553FY108	1" x 18 /8 **	1	-
R553FY109	1" x 18 /9 **	1	-
R553FY110	1" x 18 /10 **	1	-
R553FY111	1" x 18 /11 **	1	-
R553FY112	1" x 18 /12 **	1	-
R553FZY002	1" x 18 /2 *	1	-
R553FZY003	1" x 18 /3 *	1	-
R553FZY004	1" x 18 /4 *	1	-
R553FZY005	1" x 18 /5 *	1	-
R553FZY006	1" x 18 /6 *	1	-
R553FZY007	1" x 18 /7 *	1	-
R553FZY008	1" x 18 /8 *	1	-
R553FZY009	1" x 18 /9 *	1	-
R553FZY010	1" x 18 /10 *	1	-
R553FZY011	1" x 18 /11 *	1	-
R553FZY012	1" x 18 /12 *	1	-
R553FZY024	1 1/4" x 18 /4 *	1	-
R553FZY025	1 1/4" x 18 /5 *	1	-
R553FZY026	1 1/4" x 18 /6 *	1	-
R553FZY027	1 1/4" x 18 /7 *	1	-
R553FZY028	1 1/4" x 18 /8 *	1	-
R553FZY029	1 1/4" x 18 /9 *	1	-
R553FZY030	1 1/4" x 18 /10 *	1	-
R553FZY031	1 1/4" x 18 /11 *	1	-
R553FZY032	1 1/4" x 18 /12 *	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



\* Manifold with reduced brackets R588Z, to allow installation within the R500-2 cabinets.

\*\* With flow meters scale 0,4-2,6 l/min.

Preassembled manifold for HVAC systems.

Composed of:

- 1 delivery manifold with lockshields and flow meters (scale 0,5-5 l/min).
- 1 return manifold with shut-off valves with manual handwheels.
- Metallic brackets.
- Labels to identify circuits.

Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators. Outlets with base or Eurocone adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

### INFO

Use key R558 (included) or R558N for the balancing.



### EUROCONE CONNECTION

PRODUCT CODE	SIZE		
R553FY042	1" x 3/4" Eurocone /2	1	-
R553FY043	1" x 3/4" Eurocone /3	1	-
R553FY044	1" x 3/4" Eurocone /4	1	-
R553FY045	1" x 3/4" Eurocone /5	1	-
R553FY046	1" x 3/4" Eurocone /6	1	-
R553FY047	1" x 3/4" Eurocone /7	1	-
R553FY048	1" x 3/4" Eurocone /8	1	-
R553FY049	1" x 3/4" Eurocone /9	1	-
R553FY050	1" x 3/4" Eurocone /10	1	-
R553FY051	1" x 3/4" Eurocone /11	1	-
R553FY052	1" x 3/4" Eurocone /12	1	-
R553FZY042	1" x 3/4" Eurocone /2 *	1	-
R553FZY043	1" x 3/4" Eurocone /3 *	1	-
R553FZY044	1" x 3/4" Eurocone /4 *	1	-
R553FZY045	1" x 3/4" Eurocone /5 *	1	-
R553FZY046	1" x 3/4" Eurocone /6 *	1	-
R553FZY047	1" x 3/4" Eurocone /7 *	1	-
R553FZY048	1" x 3/4" Eurocone /8 *	1	-
R553FZY049	1" x 3/4" Eurocone /9 *	1	-
R553FZY050	1" x 3/4" Eurocone /10 *	1	-
R553FZY051	1" x 3/4" Eurocone /11 *	1	-
R553FZY052	1" x 3/4" Eurocone /12 *	1	-

For connection to the pipe use the base 3/4" Eurocone adaptors

## CIRCUIT BALANCING

The delivery manifold is equipped with micrometric mechanical-memory lockshields to balance the circuits.

Using the special R558N wrench, first open the screwdriver ring nuts completely and then, starting from the fully-closed position, the Allen wrench lockshields, based on the number of turns shown by calibration diagrams.

Once balanced, the ring nuts must be completely retightened to their lockshields.

This operation enables to close and reopen the circuits at a later time, maintaining the initial calibration.



## R553DK

### FOR CABINETS R500-2, DEPTH 85-130 MM

PRODUCT CODE	SIZE	☐	☒
R553DK102	1" x 18 /2	1	-
R553DK103	1" x 18 /3	1	-
R553DK104	1" x 18 /4	1	-
R553DK105	1" x 18 /5	1	-
R553DK106	1" x 18 /6	1	-
R553DK107	1" x 18 /7	1	-
R553DK108	1" x 18 /8	1	-
R553DK109	1" x 18 /9	1	-
R553DK110	1" x 18 /10	1	-
R553DK111	1" x 18 /11	1	-
R553DK112	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

### FOR CABINETS R500, DEPTH 110 MM

PRODUCT CODE	SIZE	☐	☒
R553DK022	1" x 18 /2	1	-
R553DK023	1" x 18 /3	1	-
R553DK024	1" x 18 /4	1	-
R553DK025	1" x 18 /5	1	-
R553DK026	1" x 18 /6	1	-
R553DK027	1" x 18 /7	1	-
R553DK028	1" x 18 /8	1	-
R553DK029	1" x 18 /9	1	-
R553DK030	1" x 18 /10	1	-
R553DK031	1" x 18 /11	1	-
R553DK032	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

Preassembled manifold for HVAC systems.

The kit includes:

- R553D manifold.
- R269T multifunction valves.

Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

Outlets with base or Eurocone adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

#### ① INFO

Use key R558 (included) or R558N for the balancing.



## R553FK

### FOR CABINETS R500-2, DEPTH 85-130 MM

PRODUCT CODE	SIZE	☐	☒
R553FK102	1" x 18 /2	1	-
R553FK103	1" x 18 /3	1	-
R553FK104	1" x 18 /4	1	-
R553FK105	1" x 18 /5	1	-
R553FK106	1" x 18 /6	1	-
R553FK107	1" x 18 /7	1	-
R553FK108	1" x 18 /8	1	-
R553FK109	1" x 18 /9	1	-
R553FK110	1" x 18 /10	1	-
R553FK111	1" x 18 /11	1	-
R553FK112	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

### FOR CABINETS R500, DEPTH 110 MM

PRODUCT CODE	SIZE	☐	☒
R553FK022	1" x 18 /2	1	-
R553FK023	1" x 18 /3	1	-
R553FK024	1" x 18 /4	1	-
R553FK025	1" x 18 /5	1	-
R553FK026	1" x 18 /6	1	-
R553FK027	1" x 18 /7	1	-
R553FK028	1" x 18 /8	1	-
R553FK029	1" x 18 /9	1	-
R553FK030	1" x 18 /10	1	-
R553FK031	1" x 18 /11	1	-
R553FK032	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

Preassembled manifold for HVAC systems.

The kit includes:

- R553F manifold with flow meters (scale 0,5-5 l/min).
- R269T multifunction valves.

Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

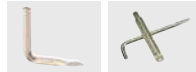
Outlets with base or Eurocone adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

#### ① INFO

Use key R558 (included) or R558N for the balancing.



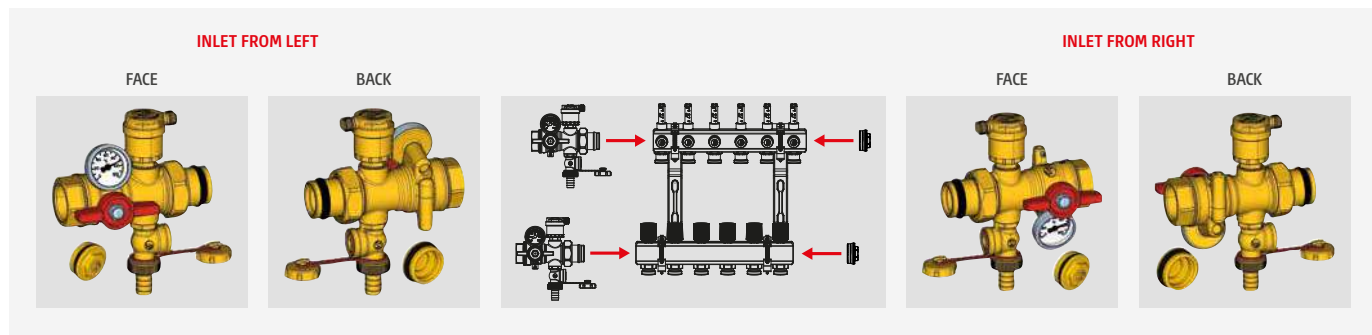
MULTIFUNCTION VALVES  
R269T INCLUDED



MULTIFUNCTION VALVES  
R269T INCLUDED



### EXAMPLE OF INSTALLATION



## R553K

PRODUCT CODE	SIZE	☐	☒
R553KY062	1" x 3/4" Eurocone /2	1	-
R553KY063	1" x 3/4" Eurocone /3	1	-
R553KY064	1" x 3/4" Eurocone /4	1	-
R553KY065	1" x 3/4" Eurocone /5	1	-
R553KY066	1" x 3/4" Eurocone /6	1	-
R553KY067	1" x 3/4" Eurocone /7	1	-
R553KY068	1" x 3/4" Eurocone /8	1	-
R553KY069	1" x 3/4" Eurocone /9	1	-
R553KY070	1" x 3/4" Eurocone /10	1	-
R553KY071	1" x 3/4" Eurocone /11	1	-
R553KY072	1" x 3/4" Eurocone /12	1	-

For connection to the pipe use the base 3/4" Eurocone adaptors

Manifold kit: R553M + R553V + R592D + R588L. It can be used in combination with R557R-1 mixing groups. Not assembled. Temperature range: 5÷110 °C  
Max. working pressure: 10 bar



## R553KI

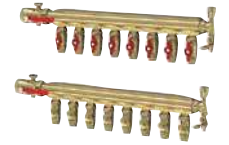
PRODUCT CODE	SIZE	☐	☒
R553KY086	1 1/2" x 22 /6	1	-
R553KY087	1 1/2" x 22 /7	1	-
R553KY088	1 1/2" x 22 /8	1	-

Preassembled manifold for HVAC systems, for industrial plants. The kit includes:

- 1 delivery manifold with outlets with T-handle ball valves
- 1 return manifold with outlets with lockshields
- Ball valves with lever handle and thermometers upstream the manifolds
- Self-sealing end piece with automatic air vent and drain cock
- Outlets centre distance: 80 mm.

### INFO

To fix the manifold to the wall use the metallic brackets included with the R501 cabinet or the R588P supports. As a single flow meter use P586SY001.



## R557

PRODUCT CODE	SIZE	☐	☒
R557Y002	1" x 18 /2	1	-
R557Y003	1" x 18 /3	1	-
R557Y004	1" x 18 /4	1	-
R557Y005	1" x 18 /5	1	-
R557Y006	1" x 18 /6	1	-
R557Y007	1" x 18 /7	1	-
R557Y008	1" x 18 /8	1	-
R557Y009	1" x 18 /9	1	-
R557Y010	1" x 18 /10	1	-
R557Y011	1" x 18 /11	1	-
R557Y012	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

Preassembled manifold with thermostatic fixed point regulation for HVAC systems. Mixing obtained through R462L thermostatic head. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

Outlets with base adaptor connections.

Temperature range: 5÷110 °C  
Max. working pressure: 10 bar

To be ordered separately:

- R401TG or R402TG valve with thermostatic option
- R14TG or R15TG lockshield

The kit does not include:

- circulator and K373 safety thermostat

### INFO

Use key R558 (included) or R558N for the balancing.



Recommended circulator centre distance: 130 mm.



From 2 to 7 outlets = R557Y051 cabinet.

From 8 to 12 outlets = R557Y052 cabinet.

## R557F

PRODUCT CODE	SIZE	☐	☒
R557FY002	1" x 18 /2	1	-
R557FY003	1" x 18 /3	1	-
R557FY004	1" x 18 /4	1	-
R557FY005	1" x 18 /5	1	-
R557FY006	1" x 18 /6	1	-
R557FY007	1" x 18 /7	1	-
R557FY008	1" x 18 /8	1	-
R557FY009	1" x 18 /9	1	-
R557FY010	1" x 18 /10	1	-
R557FY011	1" x 18 /11	1	-
R557FY012	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

Preassembled manifold with thermostatic fixed point regulation for HVAC systems. With flow meters (scale 0,5-5 l/min). Mixing obtained through R462L thermostatic head. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

Outlets with base adaptor connections.

Temperature range: 5÷110 °C  
Max. working pressure: 10 bar

To be ordered separately:

- R401TG or R402TG valve with thermostatic option
- R14TG or R15TG lockshield

The kit does not include:

- circulator and K373 safety thermostat

### INFO

Use key R558 (included) or R558N for the balancing.



Recommended circulator centre distance: 130 mm.



From 2 to 7 outlets = R557Y051 cabinet.

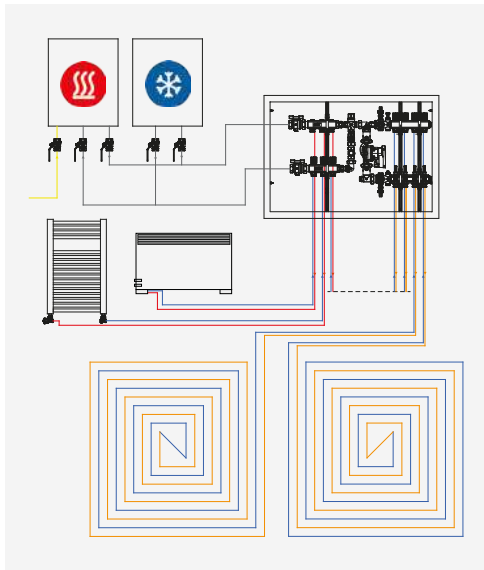
From 8 to 12 outlets = R557Y052 cabinet.

# R557R-2

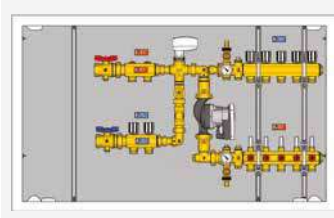
PRODUCT CODE	SIZE		
R557RY024	1" x 18 /4	1	-
R557RY025	1" x 18 /5	1	-
R557RY026	1" x 18 /6	1	-
R557RY027	1" x 18 /7	1	-
R557RY028	1" x 18 /8	1	-
R557RY029	1" x 18 /9	1	-
R557RY030	1" x 18 /10	1	-
R557RY031	1" x 18 /11	1	-
R557RY032	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors

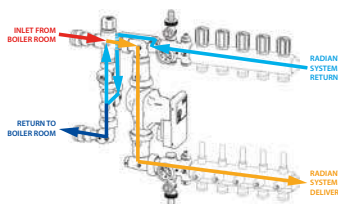
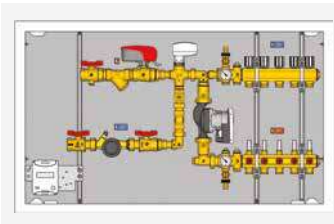
## EXAMPLE OF INSTALLATION



KIT FOR CIRCUITS WITH NON-MIXED WATER



METERING KIT

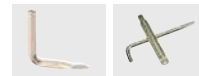


Preassembled manifold with thermostatic fixed point regulation, for HVAC systems. Composed of:

- 1 delivery manifold with lockshields and flow meters (scale 0,5-5 l/min).
  - 1 return manifold with shut-off valves with manual handwheels (optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators).
  - Outlets with base adaptor connections.
  - Thermostatic control.
  - Drain cocks.
  - Air vent valves.
  - Thermometers.
  - Circulator complying with Directive ErP 2009/125/EC.
  - Metal cabinet with brackets (cabinet dimensions: height 605 mm; thickness 110 mm).
- Temperature range: 5+110 °C  
Max. working pressure: 10 bar
- To be completed with:
- R557W insulation
  - R553AY002 or R553AY003, 1" high temperature kit
  - GE550Y100, 1" metering kit
  - R588RY010: single bracket for 1" manifold

### INFO

Use key R558 (included) or R558N for the balancing.



## Mixing units

### R557K

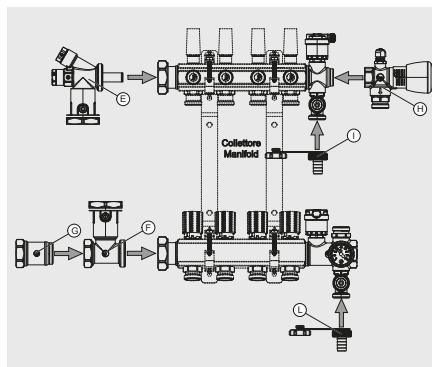
PRODUCT CODE	SIZE		
R557KY001	-	1	-
R557KY002	Unit for electronic circulator	1	-

Low-temperature kit for preassembled manifolds.

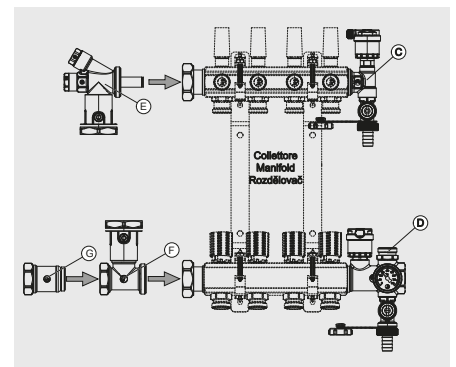
To create a low-temperature manifold, the kit can be installed with R553D or R553F preassembled manifolds + valve with thermostatic option + thermostatic head + lockshield valve + circulator.

Temperature range: 5+110 °C

Max. working pressure: 10 bar



R557KY001

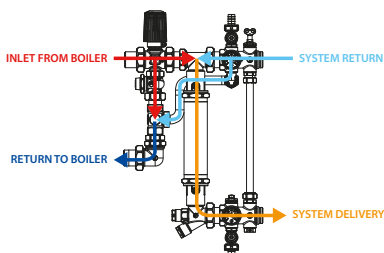


R557KY002



## R557R-1

PRODUCT CODE	SIZE		
R557RY042	1"	1	-
R557RY043	1"	1	-



Unit with thermostatic fixed point regulation, for HVAC systems.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

The unit can be mounted with:

- Delivery and return manifolds
- Circulator (for R557RY043)

### INFO

R557RY042: with circulator 25/6.

R557RY043: without circulator, with metal spacer, centre distance 180 mm.

## R559N-1

PRODUCT CODE	SIZE		
R559NY043	1"	1	-

Mixing unit for HVAC systems, without circulator. Composed of:

- 3-way mixing valve with M30x1.5 mm connection.
- Primary and secondary lockshields for flow regulation.
- Housing for delivery temperature probe.
- Metal spacer to insert the circulator, centre distance 180 mm.
- Ball valves for circulator installation.
- Manual air vent valves.
- Drain cocks.
- Thermometers.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

The unit can be mounted with:

- Delivery and return manifolds
- Circulator
- K281X012 actuator for mixing valve
- Components for thermoregulation
- R553AY002 or R553AY003, 1" high temperature kit



## R508K

PRODUCT CODE	SIZE		
R508KY001	120 x 150 x 75 mm	1	-

Radiant floor kit equipped with:  
R508M + R414M + R470X001 + R881Y002.



## R508M

PRODUCT CODE	SIZE		
R508MY001	120 x 150 x 75 mm	1	1

Cabinet for radiant floor heating system.



## R414D

PRODUCT CODE	SIZE		
R414DX003	18 x 18	5	50

Adjustable valve with thermostatic option, to install inside R508M cabinet.



## R414M

PRODUCT CODE	SIZE		
R414MX003	18 x 18	5	50

Adjustable valve with thermostatic option, to install inside R508M cabinet.



## R470

PRODUCT CODE	SIZE		
R470X001	-	1	50

Thermostatic head with liquid sensor.

CLIP CLAP quick connection system for installation on all the "TG, D, F series" valves with thermostatic option.

Adjustment positions from \* to ⚙, corresponding to a temperature range of 8÷32 °C.

Temperature range in combination with the valve bodies: 5÷110 °C.

Max. working pressure in combination with the valve bodies: 10 bar.



## Thermo-electric actuators and temperature limiters

### R473

PRODUCT CODE	POWER SUPPLY	□	⊞
<b>R473X221</b>	230 V	1	25
<b>R473X222</b>	24 V	1	25

Thermo-electric actuator, normally closed. Cable length 1 m. With new high efficiency thermo-electric sensor. Can be used to replace the manual handwheels on manifolds.



### R462L1

PRODUCT CODE	SIZE	□	⊞
<b>R462LX011</b>	2 m	1	25

Thermostatic head with remote liquid sensor. Temperature range: 20÷70°C.



### R473M

PRODUCT CODE	POWER SUPPLY	□	⊞
<b>R473MX221</b>	230 V	1	25
<b>R473MX222</b>	24 V	1	25

Thermo-electric actuator, normally closed, with microswitch. Cable length 1 m. With new high efficiency thermo-electric sensor. Can be used to replace the manual handwheels on manifolds.



### R462L2

PRODUCT CODE	SIZE	□	⊞
<b>R462LX021</b>	2 m	1	25

Thermostatic head with remote liquid sensor. Temperature range: 20÷70°C.



### R478

PRODUCT CODE	POWER SUPPLY	□	⊞
<b>R478X221</b>	230 V	1	25
<b>R478X222</b>	24 V	1	25
<b>R478VX221</b>	230 V - with varistor	1	25

Thermo-electric actuator, normally open. Cable length 1,5 m. Can be used to replace the manual handwheels on manifolds.



### R465

PRODUCT CODE	SIZE	□	⊞
<b>R465Y001</b>	-	10	100

Insert for fixing the R462L sensor at the surface of manifolds or pipes.



### R478M

PRODUCT CODE	POWER SUPPLY	□	⊞
<b>R478MX221</b>	230 V	1	25
<b>R478MX222</b>	24 V	1	25
<b>R478VX231</b>	230 V - with varistor	1	25

Thermo-electric actuator, normally open, with microswitch. Cable length 1,5 m. Can be used to replace the manual handwheels on manifolds.



### R453A

PRODUCT CODE	SIZE	□	⊞
<b>R453Y002</b>	-	1	50

Ring nut for R478, R478M, R473, R473M thermo-electric actuators.



### R462L



PRODUCT CODE	SIZE	□	⊞
<b>R462LX001</b>	2 m	1	25

Thermostatic head with remote liquid sensor. Temperature range: 20÷70°C.



## Cabinets and brackets for manifolds



### R500

PRODUCT CODE	SIZE		
<b>R500Y101</b>	400 x 460 x 110 mm	1	-
<b>R500Y102</b>	600 x 460 x 110 mm	1	-
<b>R500Y103</b>	800 x 460 x 110 mm	1	-
<b>R500Y104</b>	1000 x 460 x 110 mm	1	-

Flush-mounting cabinet for manifold.  
Sheet metal made door and frame, painted.





### R510

PRODUCT CODE	SIZE		
<b>R510Y001</b>	400 x 200 mm	1	2
<b>R510Y002</b>	600 x 200 mm	1	2
<b>R510Y003</b>	800 x 200 mm	1	2
<b>R510Y004</b>	1000 x 200 mm	1	2

Wall bearing for R500 cabinet.



### R500-2

PRODUCT CODE	SIZE		
<b>R500Y221</b>	400 x 650÷740 x 85÷130 mm	1	-
<b>R500Y222</b>	600 x 650÷740 x 85÷130 mm	1	-
<b>R500Y223</b>	800 x 650÷740 x 85÷130 mm	1	-
<b>R500Y224</b>	1000 x 650÷740 x 85÷130 mm	1	-
<b>R500Y225</b>	1200 x 650÷740 x 85÷130 mm	1	-



Flush-mounting cabinet for manifold, with adjustable height and depth. Sheet metal made door and frame, painted.  
To be used in combination with manifolds installed on R588Z brackets.

#### INFO

The cabinet is supplied in a reduced thickness packaging to reduce the overall dimensions and the risks of crushing during the transport. Fast and easy on-site assembly and installation.




### R557I

PRODUCT CODE	SIZE		
<b>R557Y051</b>	850 x 605 x 150 mm	1	-
<b>R557Y052</b>	1000 x 605 x 150 mm	1	-
<b>R557RY075</b>	850 x 605 x 110 mm	1	-
<b>R557RY076</b>	1000 x 605 x 110 mm	1	-
<b>R557RY077</b>	1200 x 605 x 110 mm	1	-

Flush-mounting cabinet for manifold.  
Sheet metal made door and frame, painted.





### R588Z

PRODUCT CODE	SIZE		
<b>R588ZY001</b>	3/4-1-1 1/4	1	50

Reduced metallic bracket for R553D, R553F manifolds in R500-2 cabinets.





### R502

PRODUCT CODE	SIZE		
<b>R502Y001</b>	400 x 650÷720 x 110 mm	1	-
<b>R502Y002</b>	600 x 650÷720 x 110 mm	1	-
<b>R502Y003</b>	800 x 650÷720 x 110 mm	1	-
<b>R502Y004</b>	1000 x 650÷720 x 110 mm	1	-

Flush-mounting cabinet for manifold, with adjustable wall bearing.





### R588D

PRODUCT CODE	SIZE		
<b>R588DY001</b>	For DN32 modular manifold	1	20

Metallic bracket for DN32 modular manifolds in R500, R502 cabinets.





### R509-1

PRODUCT CODE	SIZE		
<b>R509Y101</b>	400 x 460 mm	1	-
<b>R509Y102</b>	600 x 460 mm	1	-
<b>R509Y103</b>	800 x 460 mm	1	-
<b>R509Y104</b>	1000 x 460 mm	1	-

Frame and door for R500 cabinet.



### R588L

PRODUCT CODE	SIZE		
<b>R588LY001</b>	1"	1	25
<b>R588SY001</b>	1"	1	200

Adjustable metallic bracket for manifold R551 (size 3/4", 1", 1 1/4") and R553. Distance: min. 263,5 mm - max. 334,5 mm.





### R588

PRODUCT CODE	SIZE		
<b>R588Y001</b>	3/4" - 1" - 1 1/4"	2	20

Metallic bracket for R553D, R553F manifolds in R500, R502 cabinets.



### R588P

PRODUCT CODE	SIZE		
<b>R588PY004</b>	1 1/2" - 2"	1	10

Adjustable support for wall fixing of R551 manifolds (size 1 1/2", 2").





## R588F

PRODUCT CODE	SIZE	☐	☒
<b>R588FY001</b>	For DN32 modular manifold	1	25

Adjustable metallic bracket for DN32 modular manifolds in R557I cabinets.  
Distance: min. 263,5 mm - max. 334,5 mm.



## R588R

PRODUCT CODE	SIZE	☐	☒
<b>R588RY010</b>	1"	10	100
<b>R588RY011</b>	1"	10	50

Bracket for manifolds in R557I cabinets.



## End pieces and accessories for manifolds

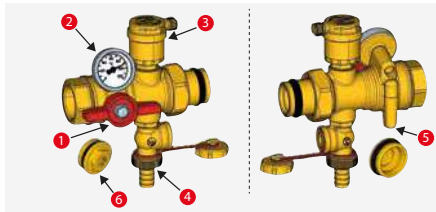
### R269T

PRODUCT CODE	SIZE	☐	☒
<b>R269TY035</b>	1"	1	-
<b>R269TY036</b>	1 1/4"	1	-

#### TECHNICAL DATA

- Temperature range: 5÷110 °C
- Max. working pressure: 10 bar
- Max. pressure of air vent operation: 7 bar
- Connections: female x male tail piece flat seat
- Probe-holder connections: Ø 6 mm
- Contact thermometers: Ø 40 mm, scale 0÷120 °C
- Automatic air vent valves: 1/2" with interception valve
- Filling/discharge taps: 1/2" with pipe-holder fitting
- Plugs for manifolds: 1"

#### COMPONENTS



1. Shut-off ball valve.
2. Contact thermometer.
3. Automatic air vent valve equipped with a self-sealing valve.
4. Valve for system fill and drain, with self-sealing.
5. Inlet of the immersion temperature probe Ø6 mm.
6. Pair of plugs for manifolds, self-sealing.

Multifunction valves kit, composed of: shut-off ball valves, automatic air vent valves, drain cocks, thermometers, plugs for the manifold, probe holder for temperature probe Ø6 mm.

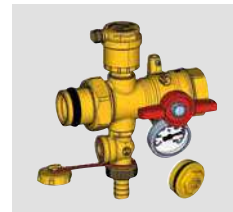
INLET FROM LEFT →  
FACE



BACK



FACE



← INLET FROM LEFT  
BACK



### R554A

PRODUCT CODE	SIZE	☐	☒
<b>R554AY001</b>	1" x 3/4"	1	25

Self-sealing end piece for manifold, with:  
- Nr.1 R881 1/2"  
- Nr.1 R608 1/2"



### R554C

PRODUCT CODE	SIZE	☐	☒
<b>R554CY004</b>	3/4"	1	25
<b>R554CY005</b>	1"	1	25
<b>R554CY006</b>	1 1/4"	1	25

Self-sealing end piece for manifold, with:  
- Nr.1 R591D  
- Nr.1 R66A 3/8"  
- Nr.1 R608 1/2"



### R554B

PRODUCT CODE	SIZE	☐	☒
<b>R554BY004</b>	3/4"	1	25
<b>R554BY005</b>	1"	1	25
<b>R554BY006</b>	1 1/4"	1	25

Self-sealing end piece for manifold, with:  
- Nr.1 R591D  
- Nr.1 R881 3/8"  
- Nr.1 R608 1/2"



### R554D

PRODUCT CODE	SIZE	☐	☒
<b>R554DY005</b>	1"	1	20
<b>R554DY006</b>	1 1/4"	1	20

Self-sealing end piece for manifold, with:  
- Nr.1 R592D  
- Nr.1 R881 1/2"  
- Nr.1 R608 1/2"  
- Nr.1 R540 3/8"  
- Nr.1 R92 1/2"



## R554I

PRODUCT CODE	SIZE	☐	☒
R554IY004	3/4"	1	20
R554IY005	1"	1	20
R554IY035	1" - Hygroscopic cap	1	20

Self-sealing end piece for manifold, with automatic air vent valve and drain cock.



## R590D

PRODUCT CODE	SIZE	☐	☒
R590DY005	1" x 1/2" x 3/8"	10	100
R590DY006	1 1/4" x 1/2" x 3/8"	10	100

Manifold end piece with probe connection and self-sealing.



## R591D

PRODUCT CODE	SIZE	☐	☒
R591DY004	3/4" x 1/2" x 3/8"	10	100
R591DY005	1" x 1/2" x 3/8"	10	100
R591DY006	1 1/4" x 1/2" x 3/8"	10	100

Manifold end piece, with self-sealing.



## R591F

PRODUCT CODE	SIZE	☐	☒
R591FY005	1" x 1/2" x 1/2"	10	100

Manifold end piece.



## R592D

### BRASS FINISH

PRODUCT CODE	SIZE	☐	☒
R592DY004	3/4"	50	500
R592DY005	1"	25	250
R592DY006	1 1/4"	20	200

### CHROME PLATED

PRODUCT CODE	SIZE	☐	☒
R592DX005	1"	25	250
R592DX006	1 1/4"	20	200
R592DX007	1 1/2"	5	50

Plug for manifolds, with self-sealing.



## R593D

PRODUCT CODE	SIZE	☐	☒
R593DY001	3/4" M x 3/8" F	50	500
R593DY002	3/4" M x 1/2" F	25	250
R593DY003	1" M x 3/8" F	25	250
R593DY004	1" M x 1/2" F	25	250
R593DY005	1" M x 3/4" F	25	250
R593DY006	1 1/4" M x 1/2" F	20	200
R593DY007	1 1/4" M x 3/4" F	10	100
R593DY008	1 1/4" M x 1" F	10	100

Reducer male-female threaded, with self-sealing.



## R93

### BRASS FINISH

PRODUCT CODE	SIZE	☐	☒
R93Y003	3/4" M x 1/2" F	20	200
R93Y005	1/2" M x 1/4" F	25	500
R93Y006	1/2" M x 3/8" F	25	250
R93Y007	3/4" M x 3/8" F	20	200
R93Y010	1" M x 1/2" F	20	200
R93Y011	1" M x 3/4" F	25	250
R93Y012	1 1/4" M x 1/2" F	10	100
R93Y013	1 1/4" M x 3/4" F	10	100
R93Y014	1 1/4" M x 1" F	20	200
R93Y017	1 1/2" M x 1" F	10	100
R93Y018	1 1/2" M x 1 1/4" F	5	50
R93Y019	2" M x 1 1/2" F	5	50
R93Y020	2" M x 1 1/4" F	5	50

### CHROME PLATED

PRODUCT CODE	SIZE	☐	☒
R93X003	3/4" M x 1/2" F	20	200
R93X006	1/2" M x 3/8" F	25	250
R93X011	1" M x 3/4" F	25	250
R93X014	1 1/4" M x 1" F	20	200

Reducer fitting male-female threaded.



## R594

PRODUCT CODE	SIZE	☐	☒
R594Y001	1/2" for 12 mm	50	500
R594Y002	24/19 for 16 mm	25	250
R594Y003	26/19 for 18 mm	25	250
R594Y004	1"	25	250
R594Y005	3/4"	50	500

Cap for manifolds.



## R531

PRODUCT CODE	SIZE	☐	☒
R531Y003	18 x 18	10	100
R531Y004	3/4" Eurocone x 18	10	100

Tee fitting with thermometer connection (R540 3/8"), to be installed on R553D, R553S, R551S manifolds.



## R540

PRODUCT CODE	SIZE	☐	☒
R540Y002	3/8" - 0=80 °C - Ø40 mm	1	-
R540Y003	1/2" - 0=120 °C - Ø61,5 mm	1	-
R540Y021	3/8" - 0=120 °C - Ø40 mm	1	-

Thermometer, back connection.



## R540F

PRODUCT CODE	SIZE	☐	☒
R540FY002	0=120 °C - red	1	6
R540FY022	0=120 °C - blue	1	6

Contact thermometer for R749F T-handle. Scale 0=120 °C, Ø40 mm.



## R532

PRODUCT CODE	SIZE	☐	☒
<b>R532WY001</b>	3/8" x 18	1	100

Flow meter with scale 1-4 L/min.



## R551W

PRODUCT CODE	SIZE	☐	☒
<b>R551WY005</b>	For 3/4" R551 - Distance 50 mm	1	-
<b>R551WY006</b>	For 1 1/4" R551 - Distance 70 mm	1	-
<b>R551WY007</b>	For 1 1/2" R551 - Distance 100 mm	1	-
<b>R551WY008</b>	For 2" R551 - Distance 100 mm	1	-
<b>R551WY009</b>	For 1" R551 - Distance 50 mm	1	-

Insulation cover for manifold R551  
(size 1 1/2" - 2").



## R553W

### FOR R554D + R259D

PRODUCT CODE	SIZE	☐	☒
<b>R553WY002</b>	For 1" R553F, R53MT+R53VT	1	-
<b>R553WY004</b>	For 1" R553D, R53ST+R53VT	1	-
<b>R553WY006</b>	For 1 1/4" R553F, R53MT+R53VT	1	-
<b>R553WY008</b>	For 1 1/4" R553D, R53MT+R53VT	1	-

### FOR R269T

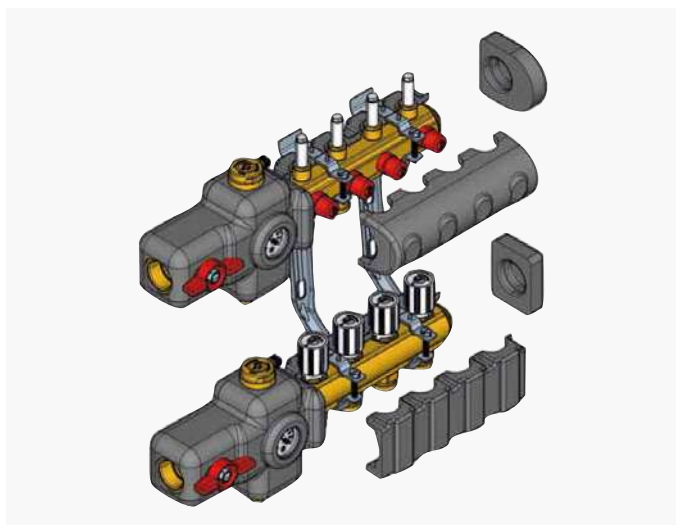
PRODUCT CODE	SIZE	☐	☒
<b>R553WY012</b>	For 1" R553F, R53MT+R53VT	1	-
<b>R553WY014</b>	For 1" R553D, R53ST+R53VT	1	-
<b>R553WY016</b>	For 1 1/4" R553F, R53MT+R53VT	1	-
<b>R553WY018</b>	For 1 1/4" R553D, R53MT+R53VT	1	-

Insulation covers set for R554D unit and end caps.

### INFO

R553WY002: for R554D 1" + caps with R553F manifolds  
 R553WY004: for R554D 1" + caps with R553D manifolds  
 R553WY006: for R554D 1 1/4" + caps with R553F manifolds  
 R553WY008: for R554D 1 1/4" + caps with R553D manifolds

### EXAMPLE OF INSTALLATION



## R553W-2

PRODUCT CODE	SIZE	☐	☒
<b>R553WY001</b>	For 1" R553F	1	-
<b>R553WY003</b>	For 1" R553D	1	-
<b>R553WY005</b>	For 1 1/4" R553F	1	-
<b>R553WY007</b>	For 1 1/4" R553D	1	-

Insulation cover set for R553D, R553F manifolds.

### INFO

R553WY001: for 1" R553F manifolds - 12 outlets  
 R553WY003: for 1" R553D manifolds - 12 outlets  
 R553WY005: for 1 1/4" R553F manifolds - 12 outlets  
 R553WY007: for 1 1/4" R553D manifolds - 12 outlets



## R557W

PRODUCT CODE	SIZE	☐	☒
<b>R557WY025</b>	1"	1	-

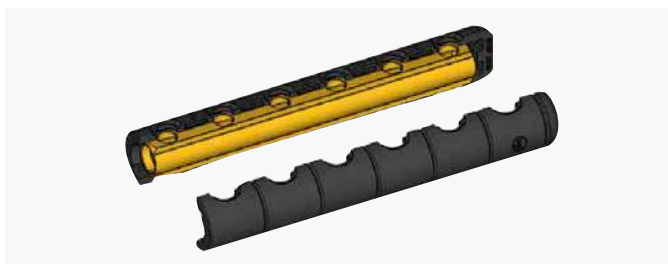
Insulation cover for R557R-2 manifold.



## R559W

PRODUCT CODE	SIZE	☐	☒
<b>R559WY005</b>	1"	1	-

Insulation cover for R559N manifold.



# Manifolds for domestic water systems



Codes here listed are to be intended only as a reference. Please check national regulation for sanitary distribution.

## R580

### CENTRE DISTANCE 35 MM

PRODUCT CODE	SIZE		
R580Y022	3/4" x 16 /2	1	10
R580Y023	3/4" x 16 /3	1	10
R580Y024	3/4" x 16 /4	1	10
R580Y025	3/4" x 16 /5	1	5
R580Y026	3/4" x 16 /6	1	5
R580Y027	3/4" x 16 /7	1	10
R580Y028	3/4" x 16 /8	1	10
R580Y029	3/4" x 16 /9	1	10
R580Y030	3/4" x 16 /10	1	10
R580Y062	1" x 16 /2	1	15
R580Y063	1" x 16 /3	1	10
R580Y064	1" x 16 /4	1	10
R580Y065	1" x 16 /5	1	5
R580Y066	1" x 16 /6	1	5
R580Y067	1" x 16 /7	1	5
R580Y068	1" x 16 /8	1	5
R580Y069	1" x 16 /9	1	5
R580Y070	1" x 16 /10	1	5
R580Y071	1" x 16 /11	1	5

For connection to the pipe use the base 16 R178, R179, R179AM adaptors

### CENTRE DISTANCE 50 MM

PRODUCT CODE	SIZE		
R580Y122	3/4" x 16 /2	1	30
R580Y123	3/4" x 16 /3	1	20
R580Y124	3/4" x 16 /4	1	20
R580Y125	3/4" x 16 /5	1	20
R580Y126	3/4" x 16 /6	1	10
R580Y127	3/4" x 16 /7	1	10
R580Y128	3/4" x 16 /8	1	10
R580Y162	1" x 16 /2	1	30
R580Y163	1" x 16 /3	1	20
R580Y164	1" x 16 /4	1	20
R580Y165	1" x 16 /5	1	20
R580Y166	1" x 16 /6	1	10
R580Y167	1" x 16 /7	1	10
R580Y168	1" x 16 /8	1	10
R580Y169	1" x 16 /9	1	10
R580Y170	1" x 16 /10	1	10

For connection to the pipe use the base 16 R178, R179, R179AM adaptors

Distribution manifold, outlets with base adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 16 bar



## R585

### CENTRE DISTANCE 35 MM

PRODUCT CODE	SIZE		
R585Y022	3/4" x 16 /2	1	10
R585Y023	3/4" x 16 /3	1	10
R585Y024	3/4" x 16 /4	1	10
R585Y025	3/4" x 16 /5	1	5
R585Y026	3/4" x 16 /6	1	5
R585Y027	3/4" x 16 /7	1	10
R585Y028	3/4" x 16 /8	1	10
R585Y029	3/4" x 16 /9	1	10
R585Y030	3/4" x 16 /10	1	10
R585Y042	1" x 16 /2	1	15
R585Y043	1" x 16 /3	1	10
R585Y044	1" x 16 /4	1	10
R585Y045	1" x 16 /5	1	5
R585Y046	1" x 16 /6	1	5
R585Y047	1" x 16 /7	1	5
R585Y048	1" x 16 /8	1	5
R585Y049	1" x 16 /9	1	5
R585Y050	1" x 16 /10	1	5

For connection to the pipe use the base 16 R178, R179, R179AM adaptors

Distribution manifold with lockshields, outlets with base adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar



## R551

### CENTRE DISTANCE 35 MM

PRODUCT CODE	SIZE		
R551Y002	3/4" x 3/8" /2	1	26
R551Y003	3/4" x 3/8" /3	1	20
R551Y004	3/4" x 3/8" /4	1	20
R551Y005	3/4" x 3/8" /5	1	10
R551Y006	3/4" x 3/8" /6	1	10
R551Y007	3/4" x 3/8" /7	1	10
R551Y008	3/4" x 3/8" /8	1	10
R551Y009	3/4" x 3/8" /9	1	15
R551Y010	3/4" x 3/8" /10	1	15
R551Y011	3/4" x 3/8" /11	1	15
R551Y012	3/4" x 3/8" /12	1	15
R551Y042	1" x 3/8" /2	1	15
R551Y043	1" x 3/8" /3	1	20
R551Y044	1" x 3/8" /4	1	12
R551Y045	1" x 3/8" /5	1	8
R551Y046	1" x 3/8" /6	1	8
R551Y047	1" x 3/8" /7	1	20
R551Y048	1" x 3/8" /8	1	8
R551Y049	1" x 3/8" /9	1	10
R551Y050	1" x 3/8" /10	1	10
R551Y051	1" x 3/8" /11	1	10
R551Y052	1" x 3/8" /12	1	10

Distribution manifold with female threaded outlets.

Temperature range: 5÷110 °C

Max. working pressure: 16 bar

Production on customized drawing available, after an assessment of our Technical Department.



# Modular manifolds for domestic water systems

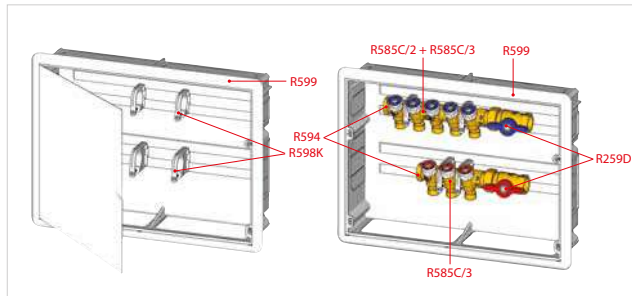
## WARNING

Codes here listed are to be intended only as a reference. Please check national regulation for sanitary distribution.

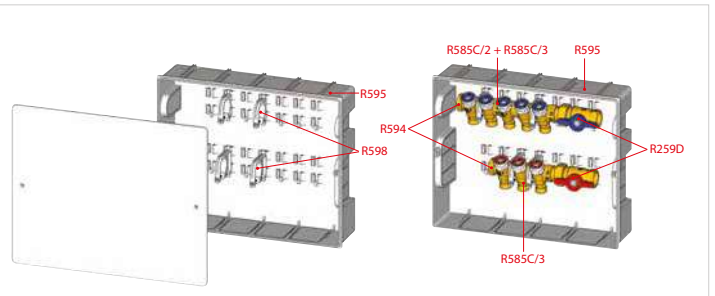
Building on Giacomini's years of experience in brass forging these modular manifolds are designed for water distribution systems. These are characterized primarily by their convenience and flexibility of use, especially when fitted in the plastic cabinets in our range. The two, three or four outlet manifolds can be easily and quickly connected to each other thanks to the threaded connections, allowing the user to get multiple outlets. The manifolds are made of yellow brass, without either chrome or nickel plating, in compliance with the latest European directives in terms of public health and drinking water. They are available in various versions: with tilted shut-off cocks on the outflow branches and G 3/4" threaded connections, simple, without shut-off cocks plain, and with G 3/4" threaded connections, (with G 1" version coming soon) All of the products are available in versions with 2, 3 or 4 outlets, with threaded male G 1/2" branches (for 3/4" manifolds) or 3/4"E (for 1" manifolds).



### INSTALLATION IN R599 CABINETS



### INSTALLATION IN R595 CABINETS



## R585C

### 1/2" AND 3/4" EUROCONE

PRODUCT CODE	SIZE	☐	☒
R585CY062	3/4" x 1/2" /2	1	20
R585CY063	3/4" x 1/2" /3	1	20
R585CY064	3/4" x 1/2" /4	1	20
R585CY072	3/4" x 1/2" flat seat /2	1	20
R585CY073	3/4" x 1/2" flat seat /3	1	20
R585CY074	3/4" x 1/2" flat seat /4	1	20

### BASE 16

PRODUCT CODE	SIZE	☐	☒
R585CY022	3/4" x 16 /2	1	20
R585CY023	3/4" x 16 /3	1	20
R585CY024	3/4" x 16 /4	1	20
R585CY042	1" x 16 /2	1	20
R585CY043	1" x 16 /3	1	20
R585CY044	1" x 16 /4	1	20



Modular manifold with shut-off valves and manual handwheels.

Manifolds 3/4" x 1/2":

outlets centre distance 35 mm.

Manifolds 3/4" x 16 and 1" x 16:

outlets centre distance 50 mm.

Temperature range: 5÷110 °C

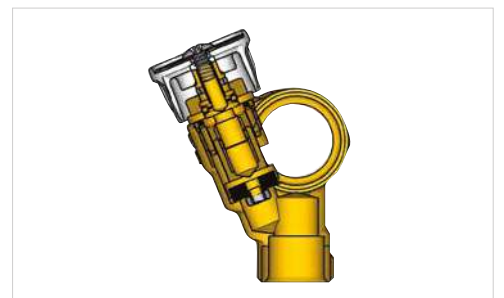
Max. working pressure: 10 bar

#### INFO

With manifolds: R585CY062, R585CY063, R585CY064 can be used only adaptors R179EY055, R179EY056, R179EY058, RM179Y113, RM179Y116, R178EY121, R178EY122, R178EY123, R178EY124, R178EY125.



With manifolds: R585CY072, R585CY073, R585CY074 can be used only adaptors R179PY014.

With base 16 manifolds use base 16 R178, R179, R179AM adaptors.





## R580C

### 1/2" AND 3/4"EUROCONE

PRODUCT CODE	SIZE		
R580CY062	3/4" x 1/2" /2	1	5
R580CY063	3/4" x 1/2" /3	1	5
R580CY064	3/4" x 1/2" /4	1	5
R580CY072	3/4" x 1/2" flat seat /2	5	50
R580CY073	3/4" x 1/2" flat seat /2	5	50
R580CY074	3/4" x 1/2" flat seat /4	5	50
R580CY052	1" x 3/4" Eurocone /2	1	5
R580CY053	1" x 3/4" Eurocone /3	1	5
R580CY054	1" x 3/4" Eurocone /4	1	3

### BASE 16

PRODUCT CODE	SIZE		
R580CY022	3/4" x 16 /2	1	5
R580CY023	3/4" x 16 /3	1	5
R580CY024	3/4" x 16 /4	1	5
R580CY042	1" x 16 /2	1	5
R580CY043	1" x 16 /3	1	5
R580CY044	1" x 16 /4	1	3



Modular manifold, outlets with base, Eurocone and 1/2" adaptor connections. Manifolds 3/4" x 1/2": outlets centre distance 35 mm. Manifolds 1" x 3/4" Eurocone: outlets centre distance 40 mm. Manifolds 3/4" x 16 and 1" x 16: outlets centre distance 35 mm. Temperature range: 5÷110 °C. Max. working pressure: 10 bar

#### INFO

With manifolds: R580CY062, R580CY063, R580CY064 can be used only adaptors R179EY055, R179EY056, R179EY058, RM179Y113, RM179Y116, R178EY121, R178EY122, R178EY123, R178EY124, R178EY125.

With manifolds: R580CY072, R580CY073, R580CY074 can be used only adaptors R179PY014.

With manifolds: R580CY052, R580CY053, R580CY054 can be used only adaptors R179EX021, R179EX022, R179EX023, R179EX024, R179EX025, R179EX026, R179EX027, R179EY028, RM179X103, RM179X106, R178EX112, R178EX113, R178EX104, R178EX115, R178EX116.

With base 16 manifolds use base 16 R178, R179, R179AM adaptors.

## R580M

PRODUCT CODE	SIZE		
R580MY005	DN25 x 16	1	100
R580MY006	DN32 x 18	1	50

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Modular manifold with quick connection, with outlets with base or Eurocone adaptor connections.

DN25: outlets centre distance 35 mm.

DN32: outlets centre distance 50 mm.

Temperature range: 5÷90 °C

Max. working pressure: 10 bar



## R585M

PRODUCT CODE	SIZE		
R585MY105	DN25 x 16	1	80

For connection to the pipe use the base 16 R178, R179, R179AM adaptors

Modular manifold with shut-off valves, quick connections, outlets with base adaptor connections.



DN25: outputs centre distance 35 mm

Temperature range: 5÷90 °C

Max. working pressure: 10 bar



## R580T

PRODUCT CODE	SIZE		
R580TY004	3/4" x DN25 x 16	1	50
R580TY005	1" x DN25 x 16	1	50
R580TY006	DN32 x 1" x 18	1	40

For connection to the pipe use the base 18 or 3/4" Eurocone adaptors

Start and end module of modular manifolds, with quick connections, with outlets with base or Eurocone adaptor connections.

DN25: outlets centre distance 35 mm.



DN32: outlets centre distance 50 mm.

Temperature range: 5÷90 °C

Max. working pressure: 10 bar



## R585T

PRODUCT CODE	SIZE		
R585TY104	3/4" x DN25 x 16	1	50
R585TY105	1" x DN25 x 16	1	25

For connection to the pipe use the base 16 R178, R179, R179AM adaptors

Start and end module of modular manifolds with shut-off valves, quick connections, outlets with base adaptor connections.

DN25: outputs centre distance 35 mm

Temperature range: 5÷90 °C

Max. working pressure: 10 bar



## ➤ Cabinets and brackets for manifolds (for domestic water systems)

### R584

PRODUCT CODE	SIZE	☐	☒
<b>R584Y101</b>	332 x 272 x 86 mm	1	8
<b>R584Y102</b>	412 x 272 x 86 mm	1	8
<b>R584Y103</b>	512 x 272 x 86 mm	1	8
<b>R584Y104</b>	612 x 272 x 86 mm	1	8

Plastic cabinet with cover and fixing kit.  
For 3/4" or 1" manifolds, series R580, R551,  
R580C, R585C and modular manifolds DN25.



### R583

PRODUCT CODE	SIZE	☐	☒
<b>R583Y004</b>	For 3/4" bar manifold	2	50
<b>R583Y005</b>	For 1" bar and DN25 modular man.	2	50
<b>R583Y014</b>	3/4" for R580C-R585C	1	-

Metallic bracket for R580 manifold or DN25  
modular manifolds. For wall installation, not  
compatible with plastic cabinets.



### R599

PRODUCT CODE	SIZE	☐	☒
<b>R599Y001</b>	400 x 300 x 90 mm	1	-

Plastic cabinet complete with frame  
and door for R585C and R580C modular  
manifolds (R598K supports shall be  
purchased separately).



### R598C

PRODUCT CODE	SIZE	☐	☒
<b>R598Y003</b>	For 3/4" x 16 bar manifold	1	10

Brackets for R595 cabinet, designed for  
manifold R580 and R585 series sizes 3/4"x12,  
3/4"x16, 3/4"x3/8".



### R595

PRODUCT CODE	SIZE	☐	☒
<b>R595AY001</b>	370 x 300 x 90 mm	1	-
<b>R595BY001</b>	520 x 300 x 90 mm	1	-
<b>R595CY001</b>	670 x 300 x 90 mm	1	-

Plastic cabinet complete with cover, for:  
- 3/4" and 1" bar manifolds (centre distance  
35 mm)  
- DN25 modular manifolds  
- Modular manifolds R580CY062,  
R580CY063, R580CY064, R585CY062,  
R585CY063, R585CY064.



### R598D

PRODUCT CODE	SIZE	☐	☒
<b>R598Y004</b>	For 1" x 16 bar and DN25 modular	1	10

Brackets for R595 cabinet, designed for  
manifold R580 and R585 sizes 1"x12, 1"x16,  
1"x3/8" and modular manifold DN25.



### R595P

PRODUCT CODE	SIZE	☐	☒
<b>R595PY001</b>	370 x 300 mm	1	10
<b>R595PY002</b>	520 x 300 mm	1	10
<b>R595PY003</b>	670 x 300 mm	1	10

Plastic cover with screws, for R595 cabinet or  
R585T frame.



### R598K

PRODUCT CODE	SIZE	☐	☒
<b>R598KY001</b>	3/4"	1	10
<b>R598KY002</b>	1"	1	10

Brackets for R599 cabinet, designed for  
R585C and R580C modular manifolds.



### R595T

PRODUCT CODE	SIZE	☐	☒
<b>R595TY001</b>	-	1	1

Metallic frame for plastic cover. To be used in  
combination with R595P plastic cover.



### R598



PRODUCT CODE	SIZE	☐	☒
<b>R598Y007</b>	For R580C-R585C 3/4"x1/2"	1	10

Brackets for R595 cabinet, designed for  
manifold R580C and R585C.



## Spare parts for manifolds

### P10S

PRODUCT CODE	SIZE		
<b>P10SY001</b>	1" x 18	1	-
<b>P10SY002</b>	1 1/4" x 18	1	-
<b>P10SY003</b>	1" x 3/4"	1	-
<b>P10SY004</b>	1 1/4" Eurocone	1	-

Lockshield for R553S manifold.



### R557P



PRODUCT CODE	SIZE		
<b>R557PY005</b>	1" x 1"	1	-

Tail piece for R557 manifold.





### P10V

#### NEW TYPE

PRODUCT CODE	SIZE		
<b>P10VY011</b>	1" x 18	1	10
<b>P10VY012</b>	1 1/4" x 18	1	10
<b>P10VY013</b>	1" - 3/4" Eurocone	1	10
<b>P10VY014</b>	1 1/4" x 3/4" Eurocone	1	10



#### OLD TYPE

PRODUCT CODE	SIZE		
<b>P10VY001</b>	1" x 18	1	10
<b>P10VY002</b>	1 1/4" x 18	1	10
<b>P10VY003</b>	1" x 3/4" Eurocone	1	10
<b>P10VY004</b>	1 1/4" x 3/4" Eurocone	1	10

Valve body for R553V manifold.





### R558

PRODUCT CODE	SIZE		
<b>R558Y001</b>	-	1	-

Lockshields key for regulating the manifold outlets.





### R558N

PRODUCT CODE	SIZE		
<b>R558NY001</b>	-	1	-

Lockshields key for regulating the manifold outlets.





### P78M

PRODUCT CODE	SIZE		
<b>P78MY001</b>	0,5÷5 l/min	1	30
<b>P78MY002</b>	0,4÷2,6 l/min	1	30

Flow meter for R553M, R553F, R53MM, R53MT manifolds.





### R557A

PRODUCT CODE	SIZE		
<b>R557AY006</b>	1" x 1/2" x 1 1/4"	1	-

Tee fitting for R557 with 1/2" plug.



### R557B















PRODUCT CODE	SIZE		
<b>R557BY005</b>	1/2" x 1" x 1"	1	-
















Tee fitting with nut and tail piece for R557 with 1/2" plug.




































## ➤ Combination of manifolds and accessories

PRODUCT CODE	SIZE	Ø OUTPUTS	CENTRE DISTANCE [MM]	WALL WRCESS	R599	R595	R500-2	R500	R5571	R584	R501	R502
												
	3/4"	3/8"	35	R588 R588Z R588L R583			R588Z	R588		SUPPLIED WITH CABINET		R588
	3/4"	1/2"	50				R588Z	R588	R588L	SUPPLIED WITH CABINET		R588
	1"	3/8"	35	R588 R588Z R588L R588R R583			R588Z	R588	R588R	SUPPLIED WITH CABINET		R588
	1"	1/2"	50				R588Z	R588	R588L R588R	SUPPLIED WITH CABINET		R588
	1 1/4"	1/2"	50	R588 R588Z R588L			R588Z	R588	R588L			R588
	1 1/4"	3/4"	70				R588Z	R588	R588L			R588
	1 1/2"	1"	100									
	2"	1"	100	R588P								
	1 1/4"	3/4"	100	R588 R588Z R588L			R588Z	R588	R588L			R588
	3/4"	Base 18	50	R588 R588Z R588L R583			R588Z	R588	R588L	SUPPLIED WITH CABINET		R588
	1"	Base 18	50	R588 R588Z R588L R588R R583			R588Z	R588	R588L R588R	SUPPLIED WITH CABINET		R588
	1 1/4"	Base 18	50	R588 R588Z R588L			R588Z	R588	R588L			R588
	3/4"	3/4"E	50	R588 R588Z R588L R583			R588Z	R588	R588L	SUPPLIED WITH CABINET		R588
	1"	3/4"E	50	R588 R588Z R588L R588R R583			R588Z	R588	R588L R588R	SUPPLIED WITH CABINET		R588
	1"	Base 18	50	R588 R588Z R588L R588R R583			R588Z	R588	R588L R588R			R588
	1 1/4"	Base 18	50	R588 R588Z R588L			R588Z	R588	R588L			R588
	1"	3/4"E	50	R588 R588Z R588L R588R R583			R588Z	R588	R588L R588R			R588
	1"	Base 18	50	R588 R588Z R588L R588R			R588Z	R588	R588L R588R			R588
	1 1/4"	Base 18	50	R588 R588Z R588L			R588Z	R588	R588L			R588
	1"	3/4"E	50	R588 R588Z R588L R588R			R588Z	R588	R588L R588R			R588
	1"	Base 18	50	R588 R588Z R588L R588R R583			R588Z	R588	R588L R588R			R588
	1 1/4"	Base 18	50	R588 R588Z R588L			R588Z	R588	R588L			R588
	1"	3/4"E	50	R588 R588Z R588L R588R R583			R588Z	R588	R588L R588R			R588

PRODUCT CODE	SIZE	Ø OUTPUTS	CENTRE DISTANCE [MM]	WALL WRECESS	R599	R595	R500-2	R500	R5571	R584	R501	R502
												
<b>R580</b> 	3/4"	016	35	R588 R588Z R588L R583		R598C	R588Z	R588		SUPPLIED WITH CABINET		R588
	1"	016	35	R588 R588Z R588L R588R R583		598D	R588Z	R588	R588R	SUPPLIED WITH CABINET		R588
	3/4"	016	50	R588 R588Z R588L R583		R598C	R588Z	R588	R588L	SUPPLIED WITH CABINET		R588
	1"	016	50	R588 R588Z R588L R588R R583		598D	R588Z	R588	R588L	SUPPLIED WITH CABINET		R588
<b>R585</b> 	3/4"	016	35	R588 R588Z R588L R583		R598C	R588Z	R588				R588
	1"	016	35	R588 R588Z R588L R588R R583		598D	R588Z	R588	R588R			R588
<b>R580M R580T</b> 	DN25	016	35	R583						SUPPLIED WITH CABINET		
	DN32	018	50	R588F R588D				R588D	R588F			R588D
	DN32	3/4"E	50	R588F R588D				R588D	R588F			R588D
<b>R585M R585T</b> 	DN25	016	35	R583						SUPPLIED WITH CABINET		
<b>R53S</b> 	DN32	018	50	R588F R588D				R588D	R588F			R588D
	DN32	3/4"E	50	R588F R588D				R588D	R588F			R588D
<b>R53M</b> 	DN32	018	50	R588F R588D				R588D	R588F			R588D
	DN32	3/4"E	50	R588F R588D				R588D	R588F			R588D
<b>R53V</b> 	DN32	018	50	R588F R588D				R588D	R588F			R588D
	DN32	3/4"E	50	R588F R588D				R588D	R588F			R588D

PRODUCT CODE	SIZE	Ø OUTPUTS	CENTRE DISTANCE [MM]	WALL WRECESS	R599	R595	R500-2	R500	R5571	R584	R501	R502	R502
													
<b>R553D</b> 	1"	0 18	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1 1/4"	0 18	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1"	0 18	50	DEPTH 110 MM	R588*				R588*				R588*
	1 1/4"	0 18	50	DEPTH 110 MM	R588*				R588*				R588*
	1"	3/4"E	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1"	3/4"E	50	DEPTH 110 MM	R588*				R588*				R588*
<b>R553F</b> 	1"	0 18	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1 1/4"	0 18	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1"	0 18	50	DEPTH 110 MM	R588*				R588*				R588*
	1 1/4"	0 18	50	DEPTH 110 MM	R588*				R588*				R588*
	1"	3/4"E	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1"	3/4"E	50	DEPTH 110 MM	R588*				R588*				R588*
<b>R553K</b> 	1"	3/4"E	50	DEPTH 110 MM	R588L*					R588L*			
<b>R553DK</b> 	1"	0 18	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1"	0 18	50	DEPTH 110 MM	R588*				R588*				R588*
<b>R553FK</b> 	1"	0 18	50	DEPTH 85-130 MM	R588Z*			R588Z*					
	1"	0 18	50	DEPTH 110 MM	R588*				R588*				R588*

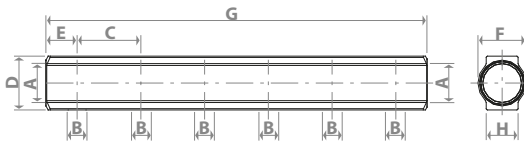
\* BRACKET INCLUDED  
\*\* BRACKET AND CABINET INCLUDED

PRODUCT CODE	SIZE	Ø OUTPUTS	CENTRE DISTANCE [MM]	WALL WRECESS	R599	R595	R500-2	R500	R5571	R584	R501	R502
												
<b>R557</b> 	1"	0 18	50	R588L*								
<b>R557F</b> 												R588L*
<b>R557R-2</b> 	1"	0 18	50						R588R**			
<b>R583D</b> 	1"	0 18	50	R588Z								
<b>R583V</b> 								R588Z				
<b>R580C</b> 	3/4"	1/2"	35	R583	R598K	R598				SUPPLIED WITH CABINET		
	1"	3/4"E	40		R598K					SUPPLIED WITH CABINET		
<b>R580C</b>  ⚠ Pitch varies with installation of multiple modules	3/4"	0 16	35	R583	R598K	R598				SUPPLIED WITH CABINET		
	1"	0 16	35		R598K					SUPPLIED WITH CABINET		
<b>R585C</b> 	3/4"	1/2"	35MM	R583	R598K	R598						
<b>R585C</b> 	3/4"	0 16	50	R583	R598K	R598						
	1"	0 16	50		R598K							

\* BRACKET INCLUDED

\*\* BRACKET AND CABINET INCLUDED

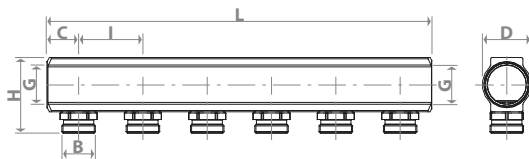
**R551**



	3/4"x3/8" CENTER DISTANCE 35	3/4"x1/2" CENTER DISTANCE 50	1"x3/8" CENTER DISTANCE 35	1"x1/2" CENTER DISTANCE 50	1 1/4"x1/2" CENTER DISTANCE 50	1 1/4"x3/4" CENTER DISTANCE 70	1 1/2"x1" CENTER DISTANCE 100	2"x1" CENTER DISTANCE 100
<b>G</b>	3/4"F	3/4"F	1"F	1"F	1 1/4"F	1 1/4"F	1 1/2"F	2"F
<b>F</b>	3/8"F	1/2"F	3/8"F	1/2"F	1/2"F	3/4"F	1"F	1"F
<b>I</b>	35	50	35	50	50	70	100	100
<b>C</b>	21	23	23	25	25	27	35	37
<b>D</b>	31	31	38	38	47	47	55	68
<b>H</b>	35	36	41	42	51	51	62	74

OUTLETS	CENTER DISTANCE	2	3	4	5	6	7	8	9	10	11	12
<b>L 3/4"x3/8"</b>	35	76	111	146	181	216	251	286	321	360	391	426
<b>L 3/4"x1/2"</b>	50	95	145	195	245	295	345	395	445	495	545	595
<b>L 1"x3/8"</b>	35	80	115	150	185	220	255	290	325	360	395	430
<b>L 1"x1/2"</b>	50	99	149	199	249	299	349	399	449	499	549	599
<b>L 1 1/4"x1/2"</b>	50	99	149	199	249	299	349	399	449	499	549	599
<b>L 1 1/4"x3/4"</b>	70	124	194	264	334	404	-	-	-	-	-	-
<b>L 1 1/2"x1"</b>	100	169	269	369	469	569	669	769	869	969	1069	1169
<b>L 2"x1"</b>	100	174	274	374	474	574	-	-	-	-	-	-

**R551S**



	3/4"x18	1"x18	1 1/4"x18
<b>G</b>	3/4"F	1"F	1 1/4"F
<b>B</b>	18	18	18
<b>I</b>	50	50	50
<b>C</b>	21	25	25
<b>D</b>	31	38	47
<b>H</b>	52	59	68

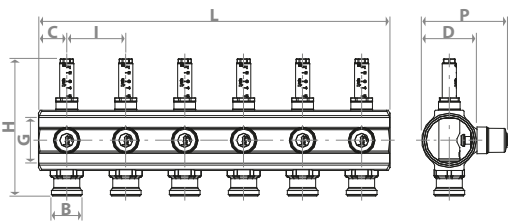
OUTLETS	2	3	4	5	6	7	8	9	10	11	12
<b>L 3/4"</b>	91	141	191	241	291	341	391	441	491	541	-
<b>L 1"</b>	99	149	199	249	299	349	399	449	499	549	599
<b>L 1 1/4"</b>	99	149	199	249	299	349	399	449	499	549	599

**R553M**

1"x18	
<b>G</b>	1"F
<b>B</b>	18
<b>I</b>	50
<b>C</b>	24
<b>D</b>	38
<b>H</b>	112
<b>P</b>	64

OUTLETS	2	3	4	5	6	7	8	9	10	11	12
<b>L</b>	98	148	198	248	298	348	398	448	498	548	598

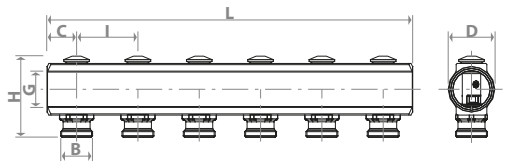


**R553S**

	1"x18	1 1/4"x18
<b>G</b>	1"F	1 1/4"F
<b>B</b>	18	18
<b>I</b>	50	50
<b>C</b>	24	24
<b>D</b>	38	47
<b>H</b>	66	75

OUTLETS	2	3	4	5	6	7	8	9	10	11	12
<b>L 1"</b>	98	148	198	248	298	348	398	448	498	548	598
<b>L 1 1/4"</b>	98	148	198	248	298	348	398	448	498	548	598



**R553V**

	1"x18	1 1/4"x18
<b>G</b>	1"F	1 1/4"F
<b>B</b>	18	18
<b>I</b>	50	50
<b>C</b>	24	24
<b>D</b>	38	47
<b>H</b>	101	110

OUTLETS	2	3	4	5	6	7	8	9	10	11	12
<b>L</b>	98	148	198	248	298	348	398	448	498	548	598

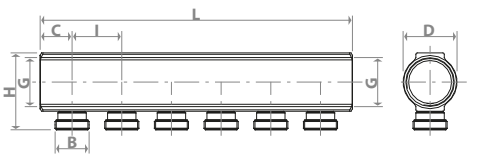


**R580**

	3/4"x16	1"x16
<b>G</b>	3/4"F	1"F
<b>B</b>	16	16
<b>I</b>	35 or 50	35 or 50
<b>C</b>	21	23
<b>D</b>	31	38
<b>H</b>	48	54

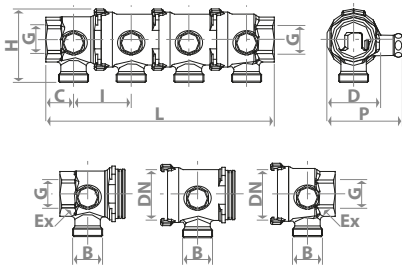
  

CENTRE DISTANCE	OUTLETS	2	3	4	5	6	7	8	9	10
35	<b>L 3/4"x16</b>	80	115	150	185	220	255	290	325	360
	<b>L 1"x16</b>	80	115	150	185	220	255	290	325	360
50	<b>L 3/4"x16</b>	95	130	165	200	235	270	305	-	-
	<b>L 1"x16</b>	95	130	165	200	235	270	305	340	375



## R53SM+R53ST

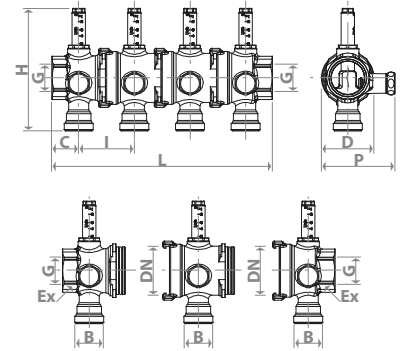
	1"xDN32x18	1 1/4"xDN32
G	1"	1 1/4"
B	18	18
EX	39	48
I	50	50
C	24	27
D	48	48
DN	32	32
H	64	64
P	66	66



	OUTLETS	2	3	4	5	6	7	8	9	10	11	12
R53ST							1					
R53SM		-	1	2	3	4	5	6	7	8	9	10
L 1"xDN32		98	148	198	248	298	348	398	448	498	548	598
L 1 1/4"xDN32		104	154	204	254	304	354	404	454	504	554	604

## R53MM+R53MT

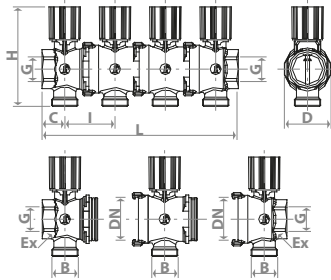
	1"xDN32x18	1 1/4"xDN32
G	1"	1 1/4"
B	18	18
EX	39	48
I	50	50
C	24	27
D	48	48
DN	32	32
H	108	108
P	66	66



	OUTLETS	2	3	4	5	6	7	8	9	10	11	12
R53MT							1					
R53MM		-	1	2	3	4	5	6	7	8	9	10
L 1"xDN32		98	148	198	248	298	348	398	448	498	548	598
L 1 1/4"xDN32		104	154	204	254	304	354	404	454	504	554	604

## R53VM+R53VT

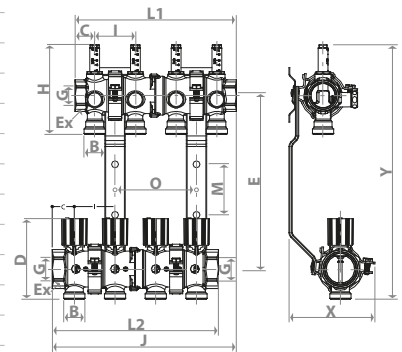
	1"xDN32x18	1 1/4"xDN32
G	1"	1 1/4"
B	18	18
EX	39	48
I	50	50
C	23	27
D	48	48
DN	32	32
H	100	100



	OUTLETS	2	3	4	5	6	7	8	9	10	11	12
R53VT							1					
R53VM		-	1	2	3	4	5	6	7	8	9	10
L 1"xDN32		95	145	195	245	295	345	395	445	495	545	595
L 1 1/4"xDN32		104	154	204	254	304	354	404	454	504	554	604

## R53MT MM+R53VT VM

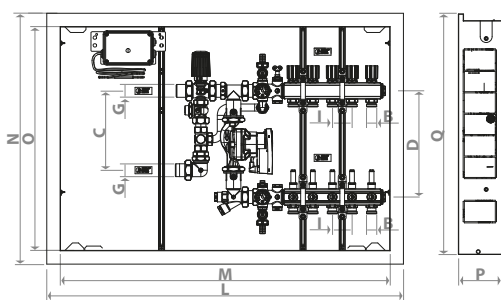
	1"xDN32x18	1 1/4"xDN32x18
G	1"	1 1/4"
B	18	18
I	50	50
C	24	27
D	100	100
H	108	108
L1	98	104
L2	95	104
J	123	129
EX	39	48
E	213	213
M	62	62
X	106	106
Y	312	312



	OUTLETS	2	3	4	5	6	7	8	9	10	11	12
R53MT+R53VT							1					
R53MM+R53MT		-	1	2	3	4	5	6	7	8	9	10
O* 1"xDN32		-	50	100	150	200	250	300	350	400	450	500
O* 1 1/4"xDN32		-	50	100	150	200	250	300	350	400	450	500

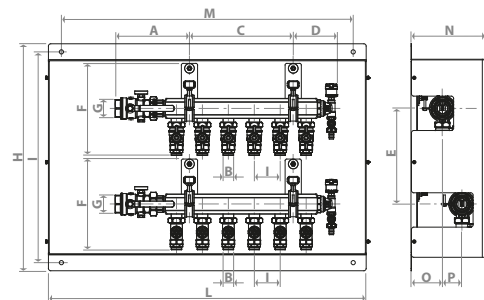
\* the O distance refers to the installation of the two brackets after the first module, and before the last one respectively.

## R557R-2



PRODUCT CODE	G X B	I	C	D	P	O	N	Q	M	L
R557RY024									850	910
R557RY025										
R557RY026										
R557RY027									1000	1060
R557RY028	1"		50	202	271	110	570	640	605	
R557RY029	x base 18									
R557RY030									1200	1260
R557RY031										
R557RY032										

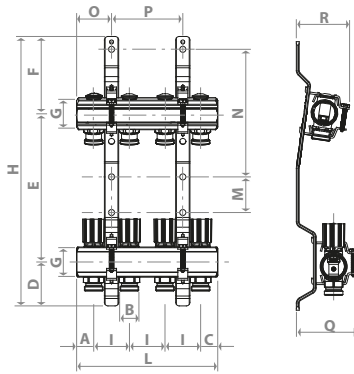
## R553KI + R501



PRODUCT CODE	OUTLETS	G X B	A	C	D	E	F	H	I	L	M	N	O	P
R553KY086	6			320										
R553KY087	7	1 1/2" x 1"	229	400	136	295	284	700	650	980	900	230	97	60
R553KY088	8			480										

# R553D

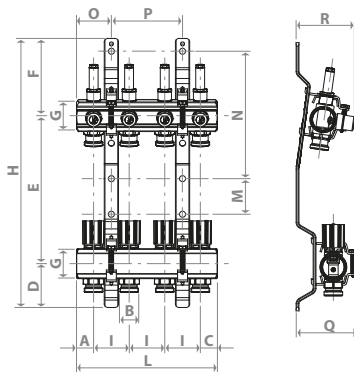
DIMENSIONS IN MM



	A	C	D	E	F	H	I	M	N	O	Q	R
Manifold 1"	24	24	62	208	108	378	50	50	179	49	86	81
Manifold 1 1/4"	24	24	62	208	104	378	50	50	179	49	88	85

PRODUCT CODE	G X B	OUTLETS	P	L	CABINET
R553ZY002 - R553ZY042	1" x base 18	2	-	98	R500Y221
R553ZY003 - R553ZY043		3	50	148	R500Y221
R553ZY004 - R553ZY044		4	100	198	R500Y222
R553ZY005 - R553ZY045		5	150	248	R500Y222
R553ZY006 - R553ZY046		6	200	298	R500Y222
R553ZY007 - R553ZY047		7	250	348	R500Y222
R553ZY008 - R553ZY048		8	300	398	R500Y223
R553ZY009 - R553ZY049		9	350	448	R500Y223
R553ZY010 - R553ZY050		10	400	498	R500Y223
R553ZY011 - R553ZY051		11	450	548	R500Y224
R553ZY012 - R553ZY052		12	500	598	R500Y224
R553ZY022		1 1/4" x base 18	2	-	98
R553ZY023	3		50	148	R500Y221
R553ZY024	4		100	198	R500Y222
R553ZY025	5		150	248	R500Y222
R553ZY026	6		200	298	R500Y222
R553ZY027	7		250	348	R500Y222
R553ZY028	8		300	398	R500Y223
R553ZY029	9		350	448	R500Y223
R553ZY030	10		400	498	R500Y223
R553ZY031	11		450	548	R500Y224
R553ZY032	12		500	598	R500Y224

# R553F

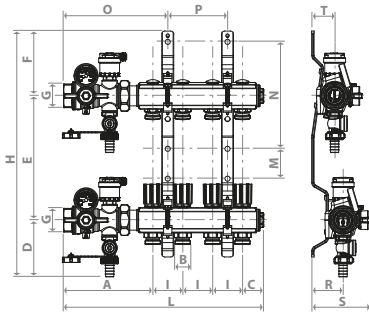


	A	C	D	E	F	H	I	M	N	O	Q	R
Manifold 1"	24	24	62	208	108	378	50	50	179	49	86	83
Manifold 1 1/4"	24	24	62	208	104	378	50	50	179	49	88	88

PRODUCT CODE	G X B	OUTLETS	P	L	CABINET
R553FZY002 - R553FZY042	1" x base 18	2	-	98	R500Y221
R553FZY003 - R553FZY043		3	50	148	R500Y221
R553FZY004 - R553FZY044		4	100	198	R500Y222
R553FZY005 - R553FZY045		5	150	248	R500Y222
R553FZY006 - R553FZY046		6	200	298	R500Y222
R553FZY007 - R553FZY047		7	250	348	R500Y222
R553FZY008 - R553FZY048		8	300	398	R500Y223
R553FZY009 - R553FZY049		9	350	448	R500Y223
R553FZY010 - R553FZY050		10	400	498	R500Y223
R553FZY011 - R553FZY051		11	450	548	R500Y224
R553FZY012 - R553FZY052		12	500	598	R500Y224
R553FZY022		1 1/4" x base 18	2	-	98
R553FZY023	3		50	148	R500Y221
R553FZY024	4		100	198	R500Y222
R553FZY025	5		150	248	R500Y222
R553FZY026	6		200	298	R500Y222
R553FZY027	7		250	348	R500Y222
R553FZY028	8		300	398	R500Y223
R553FZY029	9		350	448	R500Y223
R553FZY030	10		400	498	R500Y223
R553FZY031	11		450	548	R500Y224
R553FZY032	12		500	598	R500Y224

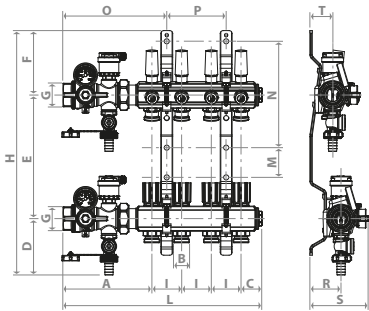
## R553DK

DIMENSIONS IN MM



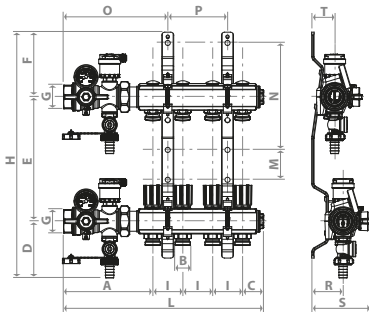
PRODUCT CODE	OUTLETS	G X B	A	C	D	E	F	H	I	L	M	N	O	P	R	S	T	CABINET
R553DK102	2									235								R500Y221
R553DK103	3									285								R500Y221
R553DK104	4									335								R500Y222
R553DK105	5									385								R500Y222
R553DK106	6									435								R500Y222
R553DK107	7	1 x base 18	149	36	95	208	108	411	50	485	50	179	174	100	53	99	38	R500Y222
R553DK108	8									535								R500Y223
R553DK109	9									585								R500Y223
R553DK110	10									635								R500Y223
R553DK111	11									685								R500Y224
R553DK112	12									735								R500Y224

## R553FK



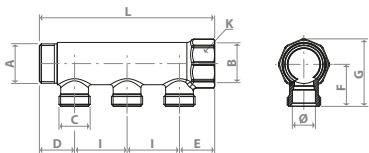
PRODUCT CODE	OUTLETS	G X B	A	C	D	E	F	H	I	L	M	N	O	P	R	S	T	CABINET
R553FK102	2									235								R500Y221
R553FK103	3									285								R500Y221
R553FK104	4									335								R500Y222
R553FK105	5									385								R500Y222
R553FK106	6									435								R500Y222
R553FK107	7	1 x base 18	149	36	95	208	108	411	50	485	50	179	174	100	53	99	38	R500Y222
R553FK108	8									535								R500Y223
R553FK109	9									585								R500Y223
R553FK110	10									635								R500Y223
R553FK111	11									685								R500Y224
R553FK112	12									735								R500Y224

## R557F

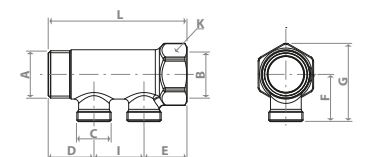


PRODUCT CODE	OUTLETS	G X B	I	K	H	E	M	N	O	L	P
R557FY002	2								/	377	
R557FY003	3								/	427	
R557FY004	4								100	477	
R557FY005	5								150	527	
R557FY006	6								200	577	
R557FY007	7	1 x base 18	50	1 1/2"	433-473	274-314	137	130-180	250	627	117
R557FY008	8								300	677	
R557FY009	9								350	727	
R557FY010	10								400	777	
R557FY011	11								450	827	
R557FY012	12								500	877	

## R580C



PRODUCT CODE	SIZE A X B	C	Ø	D	E	F	G	I	K	L
R580CY062										82
R580CY063	3/4"M x 3/4"F	1/2"	16	23,5	23,5	28,5	45	35	31	117
R580CY064										152
R580CY052										92
R580CY053	1"M x 1"F	3/4" E	18	26	26	33	53	40	38	132
R580CY054										172

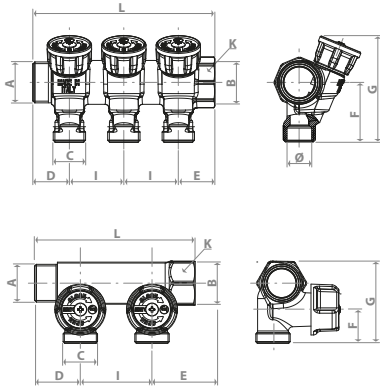


PRODUCT CODE	SIZE A X B	C	D	E	F	G	I	K	L	
R580CY022										97
R580CY023	3/4"M x 3/4"F		32	30	28	46	35	31		132
R580CY024										167
R580CY042		16								97
R580CY043	1"M x 1"F		32	30	33	55	35	39		132
R580CY044										167



# R585C

DIMENSIONS IN MM

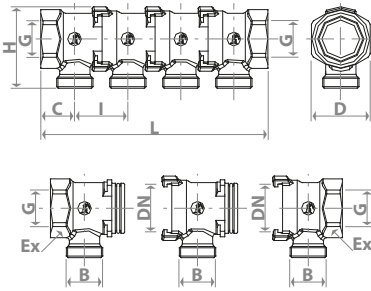


PRODUCT CODE	SIZE A X B	C	Ø	D	E	F	G	I	K	L
R585CY062	3/4" M x 3/4" F	1/2"	16	23,5	23,5	28,5	69	35	31	82
R585CY063										117
R585CY064										152

PRODUCT CODE	SIZE A X B	C	D	E	F	G	I	K	L
R585CY022	3/4" M x 3/4" F	16	32	30	42	58	50	31	112
R585CY023									162
R585CY024									212
R585CY042	1" M x 1" F		32	30	45	65	50	39	112
R585CY043									162
R585CY044									212

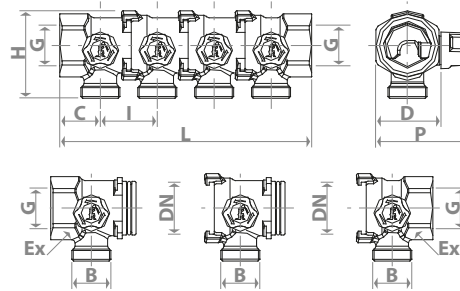
# R580T-R580M



	3/4"xDN25 x16	1"xDN25 x16	1"xDN32 x18	1 1/4"xDN32 x18
<b>G</b>	3/4"	1"	1"	1 1/4"
<b>B</b>	16	16	18	18
<b>EX</b>	31	39	39	48
<b>I</b>	35	35	50	50
<b>C</b>	21	23	23	25
<b>D</b>	37	39	48	48
<b>DN</b>	25	25	32	32
<b>H</b>	54	54	64	64

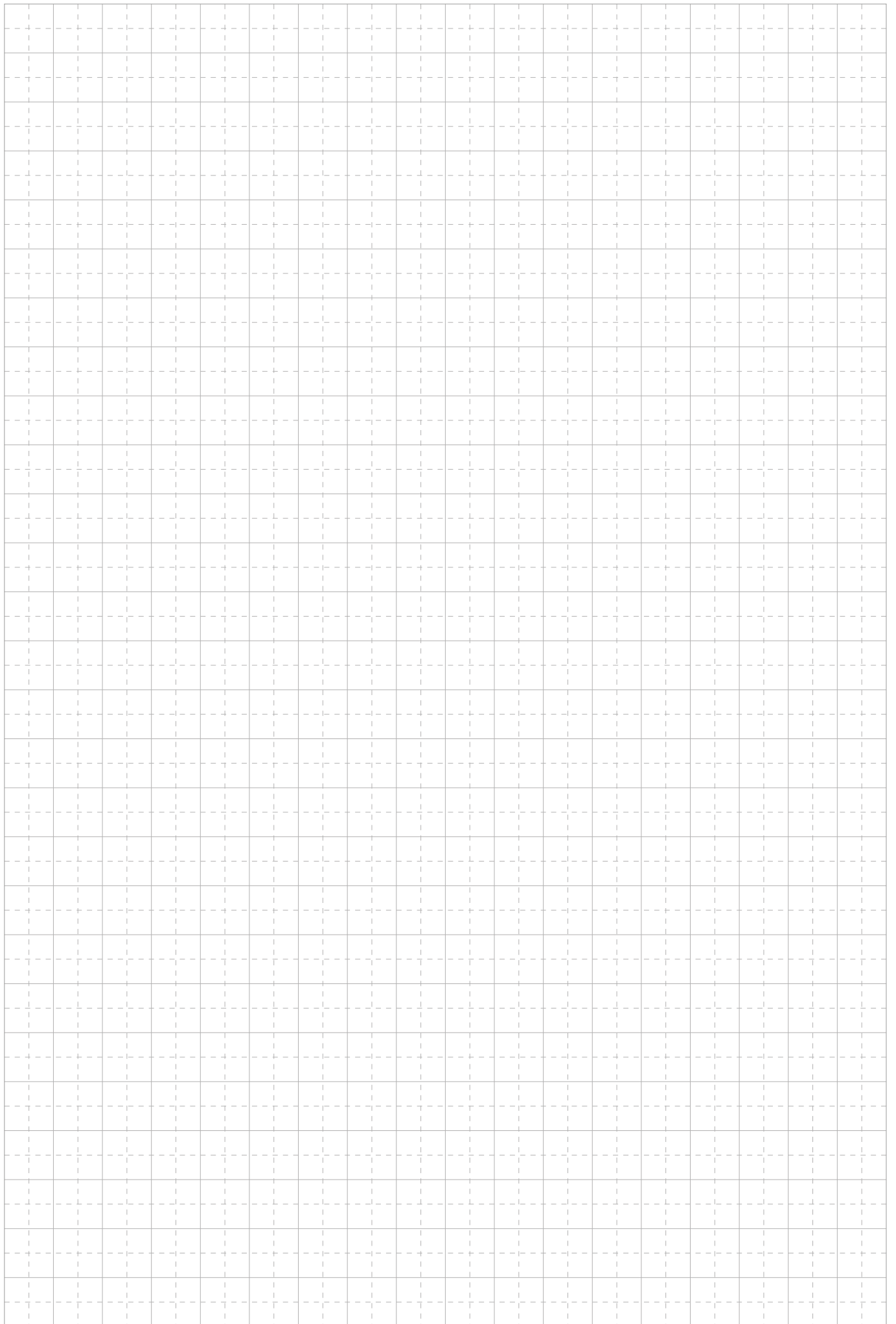
OUTLETS	2	3	4	5	6	7	8	9	10	11	12
<b>R580T</b>	1	1	1	1	1	1	1	1	1	1	1
<b>R580M</b>	-	1	2	3	4	5	6	7	8	9	10
<b>L 3/4"XDN25</b>	77	112	147	182	217	252	287	322	357	392	427
<b>L 1"XDN25</b>	80	115	150	185	220	255	290	325	360	395	430
<b>L 1"XDN32</b>	95	145	195	245	295	345	395	445	495	545	595
<b>L 1 1/4"XDN32</b>	100	150	200	250	300	350	400	450	500	550	600

# R585T-R585M



	3/4"xDN25 x16	1"xDN25 x16
<b>G</b>	3/4"	1"
<b>B</b>	16	16
<b>EX</b>	31	39
<b>I</b>	35	35
<b>C</b>	22	25
<b>D</b>	31	39
<b>DN</b>	25	25
<b>H</b>	54	54
<b>P</b>	51	55

OUTLETS	2	3	4	5	6	7	8	9	10	11	12
<b>R585T</b>	1	1	1	1	1	1	1	1	1	1	1
<b>R585M</b>	-	1	2	3	4	5	6	7	8	9	10
<b>L 3/4"XDN25</b>	78	113	148	183	218	253	288	323	358	393	428
<b>L 1"XDN25</b>	85	120	155	190	225	260	295	330	365	400	435



**Chapter 3** Giacomini ball valves are designed to provide high mechanical resistance minimizing the required space and guarantee operation with very high working pressures. The Finishings used are suitable for hot and cold water systems, domestic water, gases, hydrocarbons, compressed air and dry saturated vapor. The wide range of products provides the right solution for any need.

---



















## Ball valves and drain cocks

### *Products*

- 77 Valves for water for heating/cooling systems and not dangerous gas
- 84 Valves for dangerous gas
- 87 Valves specific for domestic water use
- 91 Valves with alternative threads, for water for heating/cooling systems, dangerous and not dangerous
- 92 Cocks for water for heating/cooling systems and not dangerous gas
- 93 Under-sink and washing machine cocks
- 93 BIB cocks
- 93 Accessories and spare parts
- 16

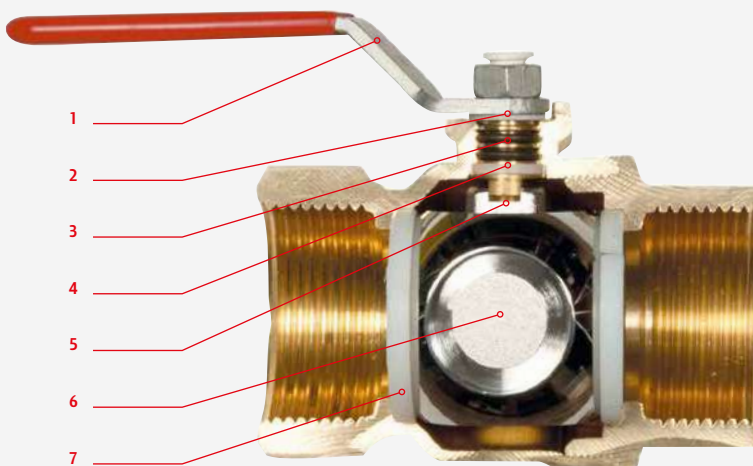
- 96 *Technical and dimensional data*

## ➤ Certification

CERTIFICATIONS	DESCRIPTION	COUNTRY	CERTIFICATIONS	DESCRIPTION	COUNTRY
	CSA International - Canadian Standard Association	Canada		DVGW Deutscher Verein des Gas-und Wasserfaches	Vereinigung and.v. Germania
	EAC compliance certificate (Custom Union Certificate)	Russia		SVGW Schweizerischer Verein des Gas-und Wasserfaches	Switzerland
	UL Underwriters Laboratories	United States		CERTigaz	France
	FM Approvals	United States		OVGW Österreichische Vereinigung für das Gas-und Wasserfach	Austria
	Attestation de conformité sanitaire	France		CE Marking in compliance with PED and/or CPR (Construction Product Regulation)	European Community
	Certification in compliance with Belorussian standards	Belarus		NSF International	United States
	EMI Építészügyi Mimoségellenőrző Innovációs	Hungary		Certification in compliance with Ukrainian standards	Ukraine
	WRAS Water Regulations Advisory Scheme	UK		Turkish standards institution	Turkey

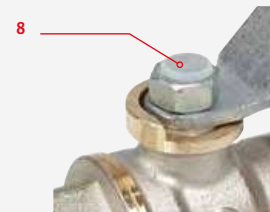
## ➤ Main features

CHECK THE ACTUAL APPLICATIONS AND CERTIFICATIONS OF THE VALVE BY CONSULTING THE SPECIFIC TECHNICAL DATASHEET.



- 1 Steel lever with plastic covering.
- 2 External anti-friction ring.
- 3 Double O-ring seal in FKM.
- 4 Internal anti-friction ring.
- 5 Stem fitted from the inside.
- 6 NUT sphere.
- 7 PTFE seals.
- 8 Guarantee seal with hologram.

**NOTE.** Certifications available: EC mark in compliance with PED (check models/measurements in the specific Technical Datasheet).



# Valves for water for heating/cooling systems and not dangerous gas

## R701F

PRODUCT CODE	SIZE	□	⊞
<b>R701FY004</b>	3/4"	-	-

Ball valve with built-in filter, female-female threaded connections and full port. Brass finishing. Red T-handle (water use).



## R950

PRODUCT CODE	SIZE	□	⊞
<b>R950X021</b>	1/4"	20	200
<b>R950X022</b>	3/8"	10	100
<b>R950X023</b>	1/2"	5	50
<b>R950X024</b>	3/4"	5	50
<b>R950X025</b>	1"	5	25
<b>R950X026</b>	1 1/4"	4	20
<b>R950X027</b>	1 1/2"	2	10
<b>R950X028</b>	2"	2	10

DADO ball valve, with female-female threaded connections, heavy series. Nickel plated brass finishing. Full port. Red lever handle (water use).



## R951

PRODUCT CODE	SIZE	□	⊞
<b>R951X021</b>	1/4"	20	200
<b>R951X022</b>	3/8"	10	100
<b>R951X023</b>	1/2"	10	100
<b>R951X024</b>	3/4"	5	50
<b>R951X025</b>	1"	5	25
<b>R951X026</b>	1 1/4"	4	20

DADO ball valve, with female-female threaded connections, heavy series. Nickel plated brass finishing. Full port. Red T-handle (water use).



## R910

PRODUCT CODE	SIZE	□	⊞
<b>R910X022</b>	3/8"	10	100
<b>R910X023</b>	1/2"	10	100
<b>R910X024</b>	3/4"	5	50
<b>R910X025</b>	1"	5	25
<b>R910X026</b>	1 1/4"	4	20
<b>R910X027</b>	1 1/2"	2	10
<b>R910X028</b>	2"	2	10
<b>R910X029</b>	2 1/2"	2	4
<b>R910X030</b>	3"	1	2
<b>R910X031</b>	4"	1	-

DADO ball valve, with female-female threaded connections. Nickel plated brass finishing. Full port. Red lever handle (water use).



## R911

PRODUCT CODE	SIZE	□	⊞
<b>R911X022</b>	3/8"	10	100
<b>R911X023</b>	1/2"	10	100
<b>R911X024</b>	3/4"	5	50
<b>R911X025</b>	1"	5	25
<b>R911X026</b>	1 1/4"	4	20

DADO ball valve, with female-female threaded connections. Nickel plated brass finishing. Full port. Red T-handle (water use).



## R910S

PRODUCT CODE	SIZE	□	⊞
<b>R910SX003</b>	1/2"	5	50
<b>R910SX004</b>	3/4"	5	25
<b>R910SX005</b>	1"	5	25
<b>R910SX006</b>	1 1/4"	2	20
<b>R910SX007</b>	1 1/2"	2	10
<b>R910SX008</b>	2"	2	10

DADO ball valve, with female-female threaded connections, with drain cock with hose connection Ø9 mm. Nickel plated brass finishing. Full port. Red lever handle (water use).

### INFO

1/2" - 3/4" - 1": drain cock 1/4".  
1 1/4", 1 1/2", 2": drain cock 3/8".



## R913

PRODUCT CODE	SIZE	□	⊞
<b>R913X022</b>	3/8"	10	100
<b>R913X023</b>	1/2"	5	50
<b>R913X024</b>	3/4"	5	50
<b>R913X025</b>	1"	5	25
<b>R913X026</b>	1 1/4"	2	20

DADO ball valve, with male-male threaded connections. Nickel plated brass finishing. Full port. Red T-handle (water use).



## R913L

PRODUCT CODE	SIZE	□	⊞
<b>R913LX022</b>	3/8"	10	100
<b>R913LX023</b>	1/2"	5	50
<b>R913LX024</b>	3/4"	5	50
<b>R913LX025</b>	1"	2	20
<b>R913LX026</b>	1 1/4"	2	20

DADO ball valve, with male-male threaded connections. Nickel plated brass finishing. Full port. Red lever handle (water use).



## R914

PRODUCT CODE	SIZE	☐	☒
R914X021	1/4"	20	200
R914X022	3/8"	10	100
R914X023	1/2"	10	100
R914X024	3/4"	5	50
R914X025	1"	5	25
R914X026	1 1/4"	2	20

DADO ball valve, with female-male threaded connections. Nickel plated brass finishing. Full port. Red T-handle (water use).



## R850

PRODUCT CODE	SIZE	☐	☒
R850X021	1/4"	20	200
R850X022	3/8"	10	100
R850X023	1/2"	10	100
R850X024	3/4"	5	50
R850X025	1"	5	25
R850X026	1 1/4"	4	20
R850X027	1 1/2"	4	20
R850X028	2"	2	10

Ball valve, with female-female threaded connections. Chrome plated brass finishing. Full port. Red lever handle (water use).



## R914L

PRODUCT CODE	SIZE	☐	☒
R914LX021	1/4"	20	200
R914LX022	3/8"	10	100
R914LX023	1/2"	5	50
R914LX024	3/4"	5	50
R914LX025	1"	2	20
R914LX026	1 1/4"	2	20
R914LX027	1 1/2"	2	10
R914LX028	2"	2	10

DADO ball valve, with female-male threaded connections. Nickel plated brass finishing. Full port. Red lever handle (water use).



## DR850

PRODUCT CODE	SIZE	☐	☒
DR850Y023	1/2"	10	100
DR850Y024	3/4"	5	50
DR850Y025	1"	5	25
DR850Y026	1 1/4"	4	20
DR850Y027	1 1/2"	4	20
DR850Y028	2"	2	10

DADO ball valve, with female-female threaded connections and anti-dezincification brass. Brass finishing. Full port. Red lever handle (water use).



## R919

PRODUCT CODE	SIZE	☐	☒
R919X003	1/2"F x 1/2"M	5	50
R919X004	1/2"F x 3/4"M	5	50
R919X005	3/4"F x 3/4"M	5	25
R919X006	3/4"F x 1"M	2	20
R919X007	1"F x 1"M	2	20
R919X008	1"F x 1 1/4"M	2	20
R919X009	1 1/4"F x 1 1/4"M	2	20

DADO ball valve, with female-tail piece male threaded connections. Nickel plated brass finishing. Full port. Red T-handle (water use).



## R851

PRODUCT CODE	SIZE	☐	☒
R851X021	1/4"	20	200
R851X022	3/8"	10	100
R851X023	1/2"	10	100
R851X024	3/4"	5	50
R851X025	1"	5	50
R851X026	1 1/4"	5	25

Ball valve, with female-female threaded connections. Chrome plated brass finishing. Full port. Red T-handle (water use).



## R919S

PRODUCT CODE	SIZE	☐	☒
R919SX003	1/2"F x 1/2"M	5	50
R919SX005	3/4"F x 3/4"M	5	25
R919SX007	1"F x 1"M	2	20
R919SX009	1 1/4"F x 1 1/4"M	2	10

DADO ball valve, with female-tail piece male threaded connections, with drain cock with hose connection Ø9 mm. Nickel plated brass finishing. Full port. Red T-handle (water use).



## R851TH

PRODUCT CODE	SIZE	☐	☒
R851TX002	3/8"	1	50
R851TX003	1/2"	1	50
R851TX004	3/4"	1	50
R851TX005	1"	1	40
R851TX006	1 1/4"	1	20
R851TX007	1 1/2"	1	20
R851TX008	2"	1	10

Ball valve, with female-female threaded connections, for pipes with high insulation thickness. Chrome plated brass finishing. Full port. Extended T-handle with red, blue plates (water use).



### INFO

1/2" - 3/4" - 1": drain cock 1/4".  
1 1/4": drain cock 3/8".

## R851T

PRODUCT CODE	SIZE	☐	☒
R851TY103	1/2"	10	100
R851TY104	3/4"	5	50
R851TY105	1"	5	25

Ball valve, with female-female threaded connections, with probe holder M10x1 mm female threaded, for probe Ø6 mm. Brass finishing. Full port. Red T-handle (water use).



## R854

PRODUCT CODE	SIZE	☐	☒
R854X023	1/2"	10	100
R854X024	3/4"	5	50
R854X025	1"	5	25
R854X026	1 1/4"	4	20

Ball valve, with female-male threaded connections. Chrome plated brass finishing. Full port. Red T-handle (water use).



## R854L

PRODUCT CODE	SIZE	☐	☒
R854LX023	1/2"	5	50
R854LX024	3/4"	5	50
R854LX025	1"	2	20
R854LX026	1 1/4"	2	20
R854LX027	1 1/2"	4	20
R854LX028	2"	2	10

Ball valve, with female-male threaded connections. Chrome plated brass finishing. Full port. Red lever handle (water use).



## R859

### RED T-HANDLE

PRODUCT CODE	SIZE	☐	☒
R859X323	1/2"F x 1/2"M	1	50
R859X325	3/4"F x 3/4"M	1	25
R859X327	1"F x 1"M	1	20
R859X329	1 1/4"F x 1 1/4"M	1	20

### BLUE T-HANDLE

PRODUCT CODE	SIZE	☐	☒
R859X343	1/2"F x 1/2"M	1	50
R859X345	3/4"F x 3/4"M	1	25
R859X347	1"F x 1"M	1	20
R859X349	1 1/4"F x 1 1/4"M	1	20

Ball valve, with female-tail piece male threaded connections. Compact version. Chrome plated brass finishing. Full port. Red or blue T-handle (water use).



## R859K

PRODUCT CODE	SIZE	☐	☒
R859KY007	1"F x 1"M	1	10

Kit with N.2 R859 ball valves with red and blue T-handle (water use).



## R859T

PRODUCT CODE	SIZE	☐	☒
R859TY005	3/4"F x 3/4"M	5	25
R859TY006	3/4"F x 1"M	2	20
R859TY007	1"F x 1"M	2	20

Ball valve, with female-tail piece male threaded connections, with probe holder M10x1 mm female threaded, for probe Ø6 mm. Brass finishing. Full port. Red T-handle (water use).



### BALL VALVES WITH NUT.

For under-boiler installation and other hydraulic connections.



#### APPLICATION.

- Max. working pressure at 20 °C with water and not dangerous gas: 1,6 MPa (16 bar)
- Temperature range: -20÷120 °C (-20 °C with 50 % glycol solutions)

#### R251P-1 pag 81



Staight ball valve, with female-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Suitable for water for heating/cooling systems and not dangerous gas. Valve made of UNI EN 12165 CW617N nickel plated brass. Standard port. Aluminium one lug T-handle, red painted.

#### R254P-1 pag. 81



Staight ball valve, with male-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Suitable for water for heating/cooling systems and not dangerous gas. Valve made of UNI EN 12165 CW617N nickel plated brass. Standard port. Aluminium one lug T-handle, red painted.

#### R780P-1 pag 80



Angle ball valve, with male-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Suitable for water for heating/cooling systems and not dangerous gas. Valve made of UNI EN 12165 CW617N nickel plated brass. Standard port. Aluminium one lug T-handle, red painted.

#### R781P-1 pag 80



Angle ball valve, with female-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Suitable for water for heating/cooling systems and not dangerous gas. Valve made of UNI EN 12165 CW617N nickel plated brass. Standard port. Aluminium one lug T-handle, red painted.

#### APPLICATION.

- Temperature range: -20÷60 °C
- Max working pressure (MOP) with gas: 0,5 MPa (5 bar)
- Resistance to high temperatures: class B 0,1; 650 °C for 30'
- EN 331:2015 certified

#### R780PG. pag. 86



Angle ball valve, with male-female threaded connections with nut and gasket. Suitable for gases of the first, second and third family (EN 437). Valve made of UNI EN 12165 CW617N nickel plated brass. Full port. Aluminium one lug T-handle, yellow painted.



## R780P-1

PRODUCT CODE	SIZE	☐	☒
R780PX013	1/2"M x 1/2"F nut	1	1
R780PX014	3/4"M x 3/4"F nut	5	35

Angle ball valve, with male-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Nickel plated brass finishing. Full port. Red T-handle, one lug (water use).



## R781P-1

PRODUCT CODE	SIZE	☐	☒
R781PX013	1/2"F x 1/2"F nut	8	56
R781PX014	3/4"F x 3/4"F nut	5	35

Angle ball valve, with female-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Nickel plated brass finishing. Full port. Red T-handle, one lug (water use).



## R752

PRODUCT CODE	SIZE	☐	☒
R752X003	1/2"F x 3/4"F nut	5	50

Ball valve, with female-female threaded connections with nut and gasket, with adjustable tail piece (valve length adjustment: 8 mm), specific for meters connection. Chrome plated brass finishing. Full port. Red T-handle (water use).



## R250D-BSP

### CHROME PLATED BRASS FINISHING

PRODUCT CODE	SIZE	☐	☒
R250ZX001	1/4" BSP	20	200
R250ZX002	3/8" BSP	10	100
R250ZX003	1/2" BSP	10	100
R250ZX004	3/4" BSP	5	50
R250ZX005	1" BSP	5	25
R250ZX006	1 1/4" BSP	4	20
R250ZX007	1 1/2" BSP	2	10
R250ZX008	2" BSP	2	10
R250ZX009	2 1/2" BSP	2	4
R250ZX010	3" BSP	2	4
R250ZX011	4" BSP	1	2

### BRASS FINISHING

PRODUCT CODE	SIZE	☐	☒
R250ZY001	1/4" BSP	20	200
R250ZY002	3/8" BSP	10	100
R250ZY003	1/2" BSP	10	100
R250ZY004	3/4" BSP	5	50
R250ZY005	1" BSP	5	25
R250ZY006	1 1/4" BSP	4	20
R250ZY007	1 1/2" BSP	2	10
R250ZY008	2" BSP	2	10
R250ZY009	2 1/2" BSP	2	4
R250ZY010	3" BSP	2	4
R250ZY011	4" BSP	1	2

Ball valve, with female-female threaded connections. Chrome plated brass finishing or brass finishing. Standard port. Red lever handle (water use).



## R250D

PRODUCT CODE	SIZE	☐	☒
R250X001	1/4"	20	200
R250X002	3/8"	10	100
R250X003	1/2"	10	100
R250X004	3/4"	5	50
R250X005	1"	5	25
R250X006	1 1/4"	4	20
R250X007	1 1/2"	2	10
R250X008	2"	2	10
R250X009	2 1/2"	2	4
R250X010	3"	2	4
R250X011	4"	1	2

Ball valve, with female-female threaded connections. Chrome plated brass finishing. Standard port. Red lever handle (water use).



## R789

PRODUCT CODE	SIZE	☐	☒
R789X003	1/2"F x 1/2"M	5	50
R789X005	3/4"F x 3/4"M	5	25
R789X007	1"F x 1"M	2	20

Angle ball valve, with female-tail piece male threaded connections. Chrome plated brass finishing. Full port. Red T-handle (water use).



## R250DS

PRODUCT CODE	SIZE	☐	☒
R250SX003	1/2"	5	50
R250SX004	3/4"	5	50
R250SX005	1"	5	25
R250SX006	1 1/4"	4	20
R250SX007	1 1/2"	2	10
R250SX008	2"	2	10

Ball valve, with female-female threaded connections, with drain cock with hose connection Ø9 mm. Chrome plated brass finishing. Standard port. Red lever handle (water use).

### INFO

1/2" - 3/4" - 1": drain cock 1/4".  
1 1/4" - 1 1/2" - 2": drain cock 3/8".



## R251D

PRODUCT CODE	SIZE	☐	☒
R251X001	1/4"	20	200
R251X002	3/8"	10	100
R251X003	1/2"	10	100
R251X004	3/4"	5	50
R251X005	1"	5	25
R251X006	1 1/4"	5	25

Ball valve, with female-female threaded connections. Chrome plated brass finishing. Standard port. Red T-handle (water use).



## R251S

PRODUCT CODE	SIZE	□	⊞
R251SX003	1/2"	5	50
R251SX004	3/4"	5	50
R251SX005	1"	5	25

Ball valve, with female-female threaded connections, with drain cock with hose connection Ø 9 mm. Chrome plated brass finishing. Standard port. Red T-handle (water use).

① **INFO** Drain cock 1/4".  
Drain cock 1/4".



## R251P-1

PRODUCT CODE	SIZE	□	⊞
R251PX012	1/2"F x 1/2"F nut	10	70
R251PX014	3/4"F x 3/4"F nut	10	70

Ball valve, with female-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Nickel plated brass finishing. Standard port. Red T-handle, one lug (water use).



## R254P-1

PRODUCT CODE	SIZE	□	⊞
R254PX012	1/2"M x 1/2"F nut	10	70
R254PX014	3/4"M x 3/4"F nut	10	70

Ball valve, with male-female threaded connections with nut and gasket, specific for under boiler use and for meters connection. Nickel plated brass finishing. Standard port. Red T-handle, one lug (water use).



## R251P

### CHROME PLATED BRASS FINISHING

PRODUCT CODE	SIZE	□	⊞
R251PX002	1/2"F x 1/2"F nut	10	100
R251PX003	1/2"F x 3/4"F nut	5	50
R251PX004	3/4"F x 3/4"F nut	5	50
R251PX005	3/4"F x 1"F nut	5	50
R251PX006	1"F x 1"F nut	5	25

### BRASS FINISHING

PRODUCT CODE	SIZE	□	⊞
R251PY003	1/2"F x 3/4"F nut	5	50
R251PY004	3/4"F x 3/4"F nut	5	50
R251PY005	3/4"F x 1"F nut	5	50
R251PY006	1"F x 1"F nut	5	25

Ball valve, with female-female threaded connections with nut and gasket, specific for meters connection. Chrome plated brass finishing or brass finishing. Standard port. Red T-handle (water use).



## R254P

### CHROME PLATED BRASS FINISHING

PRODUCT CODE	SIZE	□	⊞
R254PX004	3/4"M x 3/4"F nut	5	50

### BRASS FINISHING

PRODUCT CODE	SIZE	□	⊞
R254PY003	1/2"M x 3/4"F nut	5	50
R254PY004	3/4"M x 3/4"F nut	5	50

Ball valve, with male-female threaded connections with nut and gasket, specific for meters connection. Chrome plated brass finishing or brass finishing. Standard port. Red T-handle (water use).



## R251TH

PRODUCT CODE	SIZE	□	⊞
R251X052	3/8"	1	10
R251X053	1/2"	1	10
R251X054	3/4"	1	5
R251X055	1"	1	5
R251X056	1 1/4"	1	4
R251X057	1 1/2"	1	4
R251X058	2"	1	2

Ball valve, with female-female threaded connections, for pipes with high insulation thickness. Chrome plated brass finishing. Standard port. Extended T-handle with red plate (water use).



## R253D

PRODUCT CODE	SIZE	□	⊞
R253X002	3/8"	10	100
R253X003	1/2"	10	100
R253X004	3/4"	5	50
R253X005	1"	5	50
R253X006	1 1/4"	4	20

Ball valve, with male-male threaded connections. Chrome plated brass finishing. Standard port. Red T-handle (water use).



## R253DL

PRODUCT CODE	SIZE	□	⊞
R253LX002	3/8"	10	100
R253LX003	1/2"	10	100
R253LX004	3/4"	5	50
R253LX005	1"	2	20
R253LX006	1 1/4"	2	20

Ball valve, with male-male threaded connections. Chrome plated brass finishing. Standard port. Red lever handle (water use).



## R254D

PRODUCT CODE	SIZE	☐	⊞
R254X001	1/4"	20	200
R254X002	3/8"	10	100
R254X003	1/2"	10	100
R254X004	3/4"	5	50
R254X005	1"	5	50
R254X006	1 1/4"	4	20

Ball valve, with female-male threaded connections. Chrome plated brass finishing. Standard port. Red T-handle (water use).



## R254DL

PRODUCT CODE	SIZE	☐	⊞
R254LX001	1/4"	20	200
R254LX002	3/8"	10	100
R254LX003	1/2"	10	100
R254LX004	3/4"	5	50
R254LX005	1"	2	20
R254LX006	1 1/4"	2	20
R254LX007	1 1/2"	2	10
R254LX008	2"	2	10

Ball valve, with female-male threaded connections. Chrome plated brass finishing. Standard port. Red lever handle (water use).



## R254D-BSP

PRODUCT CODE	SIZE	☐	⊞
R254ZX003	1/2" BSP	10	100
R254ZX004	3/4" BSP	5	50
R254ZX005	1" BSP	5	50
R254ZX006	1 1/4" BSP	4	20

Ball valve, with female-male threaded connections. Chrome plated brass finishing. Standard port. Red T-handle (water use).



## R259D

### CHROME PLATED BRASS FINISHING

PRODUCT CODE	SIZE	☐	⊞
R259X003	1/2" F x 1/2" M	25	50
R259X004	1/2" F x 3/4" M	25	50
R259X005	3/4" F x 3/4" M	10	20
R259X006	3/4" F x 1" M	10	20
R259X007	1" F x 1" M	20	-
R259X008	1" F x 1 1/4" M	10	20
R259X009	1 1/4" F x 1 1/4" M	10	20

### BRASS FINISHING

PRODUCT CODE	SIZE	☐	⊞
R259Y003	1/2" F x 1/2" M	25	50
R259Y005	3/4" F x 3/4" M	10	20
R259Y006	3/4" F x 1" M	10	20
R259Y007	1" F x 1" M	20	-
R259Y008	1" F x 1 1/4" M	10	20
R259Y009	1 1/4" F x 1 1/4" M	10	20

Ball valve, with female-tail piece male threaded connections. Chrome plated brass finishing or brass finishing. Standard port. Red T-handle (water use).



## R259DST

PRODUCT CODE	SIZE	☐	⊞
R259SY067	1" F x 1" M	1	10

Couple of ball valves with thermometers (R540 series), with female-tail piece male threaded connections. Brass finishing. Standard port. Red T-handles (water use). Connection for thermometer: 3/8".



## R259DS

PRODUCT CODE	SIZE	☐	⊞
R259SX003	1/2" F x 1/2" M	25	50
R259SX004	1/2" F x 3/4" M	25	50
R259SX005	3/4" F x 3/4" M	10	20
R259SX006	3/4" F x 1" M	10	20
R259SX007	1" F x 1" M	10	20
R259SX008	1" F x 1 1/4" M	10	20
R259SX009	1 1/4" F x 1 1/4" M	10	20

Ball valve, with female-tail piece male threaded connections, with drain cock with hose connection Ø9 mm. Chrome plated brass finishing. Standard port. Red T-handle (water use).

### INFO

1/2" F - 3/4" F - 1" F: drain cock 1/4".  
1 1/4" F: drain cock 3/8".



## R287

PRODUCT CODE	SIZE	☐	⊞
R287Y005	1" F x 1 1/2" F nut	4	20

Ball valve, with female-female nut threaded connections, specific for circulator connection, with additional connections for thermometers or other optional components. Brass finishing. Standard port. Red T-handle (water use).



## R287M

PRODUCT CODE	SIZE	☐	⊞
R287MY005	1" F x 1 1/2" F nut	1	10

Couple of ball valves, with female-female nut connections, specific for circulator connection, with thermometers (R540 series), check valves (R288), plugs (R92). Brass finishing. Standard port. Red and blue T-handles (water use).



## R285

PRODUCT CODE	SIZE	□	⊞
<b>R285Y001</b>	1"F x 1 1/2" nut connection	4	40
<b>R285Y002</b>	1 1/4"F x 1 1/2" nut connection	4	20
<b>R285Y003</b>	1 1/4"F x 2" nut connection	4	20

Ball valve, with female threaded connection-connection for nut, specific for circulator connection. Brass finishing. Standard port. Red T-handle (water use).

### INFO

To be completed with P18LY007 (1 1/2") or P18LY009 (2") nut. Possibility to install the R288 check valve inside the valve.



## R285L

PRODUCT CODE	SIZE	□	⊞
<b>R285LY001</b>	1"F x 1 1/2" nut connection	4	40
<b>R285LY003</b>	1 1/4"F x 2" nut connection	4	20

Ball valve, with female threaded connection-connection for nut, specific for circulator connection. Brass finishing. Standard port. Red lever handle (water use).

### INFO

To be completed with P18LY007 (1 1/2") or P18LY009 (2") nut. Possibility to install the R288 check valve inside the valve.



## R285F

PRODUCT CODE	SIZE	□	⊞
<b>R285FY001</b>	1"F x nut 1 1/2"F	1	25
<b>R285FY003</b>	1 1/4"F x nut 2"F	1	25

Ball valve, with female threaded connection-nut female, specific for circulator connection, for pipes with high insulation thickness, with integrated check valve. Brass finishing. Standard port. Extended T-handle with red and blue plates (water use).



## R252

PRODUCT CODE	SIZE	□	⊞
<b>R252Y001</b>	1"F x 1 1/2"F nut	2	50
<b>R252Y002</b>	1 1/4"F x 2"F nut	2	20
<b>R252Y003</b>	Ø22 x 1 1/2"F nut	2	50
<b>R252Y004</b>	Ø28 x 1 1/2"F nut	2	50

Ball valve, with female-female threaded connections with nut and gasket or with compression-female threaded connections with nut and gasket, for the connection of circulator or mixing valve. Brass finishing. Standard port. Screwdriver bonnet handle (water use). For opening and closing operations use a screwdriver or a 5 mm Allen wrench.



## R258CC

PRODUCT CODE	SIZE	□	⊞
<b>R258CX002</b>	Ø15	5	50
<b>R258CX005</b>	Ø22	5	50
<b>R258CX006</b>	Ø28	6	30

Ball valve, with compression connections for copper pipes. Chrome plated brass finishing. Standard port. Red lever handle (water use).



## R258D

PRODUCT CODE	SIZE	□	⊞
<b>R258Y002</b>	Ø15	10	100
<b>R258Y004</b>	Ø18	10	100
<b>R258Y005</b>	Ø22	6	60
<b>R258Y006</b>	Ø28	6	30
<b>R258Y007</b>	Ø35	4	20

Ball valve, with Sweat connections for copper pipes. Brass finishing. Standard port. Red lever handle (water use).



## R690

PRODUCT CODE	SIZE	□	⊞
<b>R690X002</b>	3/8"	1	50
<b>R690X003</b>	1/2"	1	50

MINI series ball valve, with female-female threaded connections. Chrome plated brass finishing. Standard port. Plastic short lever with red, green and blue plates (water use).

● DOMESTIC WATER ● HOT WATER ● COLD WATER



## R694

PRODUCT CODE	SIZE	□	⊞
<b>R694X002</b>	3/8"	1	50
<b>R694X003</b>	1/2"	1	50

MINI series ball valve, with female-male threaded connections. Chrome plated brass finishing. Standard port. Plastic short lever with red, green and blue plates (water use).

● DOMESTIC WATER ● HOT WATER ● COLD WATER



# Valves for dangerous gas

GIACOMINI BALL VALVES ARE SUITABLE FOR USE WITH THE FOLLOWING PRODUCTS AT ROOM TEMPERATURE AT THE WARNING PRESSURE AS SPECIFIED IN THE PROPER VALVE'S DATASHEET. the ph value must stay within 5.5 and 9.5. all halogens corrode chromium layer. water controls are requested.

	R250D	R850	R910	R950	
<b>Alcohol</b>	●	●	●	●	The compatibilities given above are simply general indications and are not binding for the firm nor can be considered complete for proper evaluation of full compliance of a product. Contact our technical assistance service for more specific details.  ● suitable ● not suitable
<b>Argon, nitrogen and technical gases (not for hospital uses)</b>	●	●	●	●	
<b>Oxygen for hospitals</b>	●	●	●	●	
<b>Gasoline</b>	●	●	●	●	
<b>Benzene</b>	●	●	●	●	
<b>Chlorine</b>	●	●	●	●	
<b>Diesel</b>	●	●	●	●	
<b>Gases of 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> family for range of - 20 up 60 °C (EN 331)</b>	●	●	●	●	
<b>Glycol as antifreeze</b>	●	●	●	●	
<b>Salted water</b>	●	●	●	●	
<b>Paraffin</b>	●	●	●	●	
<b>Mineral oil</b>	●	●	●	●	
<b>Methanol</b>	●	●	●	●	
<b>All ammoniac containing products</b>	●	●	●	●	
<b>Water at CWP as specified in the valve's datasheet</b>	●	●	●	●	
<b>Max steam peak temperature 185°</b>	●	●	●	●	

## R950

PRODUCT CODE	SIZE	□	⊞
<b>R950X001</b>	1/4"	20	200
<b>R950X002</b>	3/8"	10	100
<b>R950X003</b>	1/2"	5	50
<b>R950X004</b>	3/4"	5	50
<b>R950X005</b>	1"	5	25
<b>R950X006</b>	1 1/4"	4	20
<b>R950X007</b>	1 1/2"	2	10
<b>R950X008</b>	2"	2	10

DADO ball valve, with female-female threaded connections, heavy series. Nickel plated brass finishing. Full port. Yellow lever handle (gas use).



DADO

## R911

PRODUCT CODE	SIZE	□	⊞
<b>R911X002</b>	3/8"	10	100
<b>R911X003</b>	1/2"	10	100
<b>R911X004</b>	3/4"	5	50
<b>R911X005</b>	1"	5	25
<b>R911X006</b>	1 1/4"	4	20

DADO ball valve, with female-female threaded connections. Nickel plated brass finishing. Full port. Yellow T-handle (gas use).



DADO

## R914L

PRODUCT CODE	SIZE	□	⊞
<b>R914LX001</b>	1/4"	20	200
<b>R914LX002</b>	3/8"	10	100
<b>R914LX003</b>	1/2"	5	50
<b>R914LX004</b>	3/4"	5	50
<b>R914LX005</b>	1"	2	20
<b>R914LX006</b>	1 1/4"	2	20
<b>R914LX007</b>	1 1/2"	2	10
<b>R914LX008</b>	2"	2	10

DADO ball valve, with female-male threaded connections. Nickel plated brass finishing. Full port. Yellow lever handle (gas use).



DADO

## R951

PRODUCT CODE	SIZE	□	⊞
<b>R951X001</b>	1/4"	20	200
<b>R951X002</b>	3/8"	10	100
<b>R951X003</b>	1/2"	10	100
<b>R951X004</b>	3/4"	5	50
<b>R951X005</b>	1"	5	25
<b>R951X006</b>	1 1/4"	4	20

DADO ball valve, with female-female threaded connections, heavy series. Nickel plated brass finishing. Full port. Yellow T-handle (gas use).



DADO

## R910

PRODUCT CODE	SIZE	□	⊞
<b>R910X002</b>	3/8"	10	100
<b>R910X003</b>	1/2"	10	100
<b>R910X004</b>	3/4"	5	50
<b>R910X005</b>	1"	5	25
<b>R910X006</b>	1 1/4"	4	20
<b>R910X007</b>	1 1/2"	2	10
<b>R910X008</b>	2"	2	10
<b>R910X009</b>	2 1/2"	2	4
<b>R910X010</b>	3"	1	2
<b>R910X011</b>	4"	1	-

DADO ball valve, with female-female threaded connections. Nickel plated brass finishing. Full port. Yellow lever handle (gas use).



DADO

## R914



PRODUCT CODE	SIZE	□	⊞
<b>R914X001</b>	1/4"	20	200
<b>R914X002</b>	3/8"	10	100
<b>R914X003</b>	1/2"	10	100
<b>R914X004</b>	3/4"	5	50
<b>R914X005</b>	1"	5	25
<b>R914X006</b>	1 1/4"	2	20

DADO ball valve, with female-male threaded connections. Nickel plated brass finishing. Full port. Yellow T-handle (gas use).



DADO

## R850

PRODUCT CODE	SIZE		
<b>R850X001</b>	1/4"	20	200
<b>R850X002</b>	3/8"	10	100
<b>R850X003</b>	1/2"	10	100
<b>R850X004</b>	3/4"	5	50
<b>R850X005</b>	1"	5	25
<b>R850X006</b>	1 1/4"	4	20
<b>R850X007</b>	1 1/2"	4	20
<b>R850X008</b>	2"	2	10



Ball valve, with female-female threaded connections. Chrome plated brass finishing. Full port. Yellow lever handle (gas use).

## R851

PRODUCT CODE	SIZE		
<b>R851X001</b>	1/4"	20	200
<b>R851X002</b>	3/8"	10	100
<b>R851X003</b>	1/2"	10	100
<b>R851X004</b>	3/4"	5	50
<b>R851X005</b>	1"	5	50
<b>R851X006</b>	1 1/4"	5	25



Ball valve, with female-female threaded connections. Chrome plated brass finishing. Full port. Yellow T-handle (gas use).

### BALL VALVES FOR GAS-BASED SYSTEMS

Giacomini has always dedicated special attention to law requirements during every step of its production, from planning up to final testing. To guarantee the highest quality of products dedicated to gas installations and compliance with European mandatory rules, the R730G - R731G - R780G - R780PG - R781G - R782G - R783G valves have been designed and constructed in compliance with the EN 331 European Standard. This standard defines the ball valve technical requirements, related to construction, performance and safety, and enables to guarantee the best performance at low or very low pressures typical of gas installations. The standard also specifies testing methods and marking requirements. It applies to taps for domestic and commercial systems not directly buried, inside or outside buildings and fed with gas of the first, second and third family (as defined by EN 437). Compliance with EN 331 provides an additional tool to guarantee the best quality and safety through independent organizations carrying out regular inspections and collecting samples during every production step. By complying with the standard, the valves are designed to prevent gas leakages even under very critical conditions. In fact, these valves have been awarded certification by DVGW organization in compliance with EN 331:2015, also respecting the requirement of resistance to high temperatures, class B0.1. The high temperature resistance test assesses the valve behaviour at 650 °C for 30'. As provided for by EN 331, a ball valve is considered resistant to high temperatures when seal is guaranteed up to a temperature where there is no longer any risk of gas explosions. The temperature provided for first, second and third family gas (EN 437) is 650 °C. Under such extreme condition, a leakage with a 150 dm3/h pressure stated by the manufacturer is accepted for a testing time of 30'. Only valves designed on purpose can exceed such extreme test.



R730G



R731G



R780G



R780PG



R781G





R782G



R783G

## R730G

### F (RP, EN 10226) X F (RP, EN 10226)

PRODUCT CODE	SIZE		
<b>R730GX003</b>	1/2"	5	50
<b>R730GX004</b>	3/4"	5	50
<b>R730GX005</b>	1"	5	25
<b>R730GX006</b>	1 1/4"	4	20
<b>R730GX007</b>	1 1/2"	2	10
<b>R730GX008</b>	2"	2	10



CERTIFICATIONS AND SYMBOLS



Ball valve, with female-female threaded connections, heavy series. Nickel plated brass finishing. Full port. Yellow lever handle (gas use). EN331:2015 approved.

## R731G

### F (RP, EN 10226) X F (RP, EN 10226)

PRODUCT CODE	SIZE		
<b>R731GX003</b>	1/2"	5	50
<b>R731GX004</b>	3/4"	5	50
<b>R731GX005</b>	1"	5	25
<b>R731GX006</b>	1 1/4"	4	20



CERTIFICATIONS AND SYMBOLS



Ball valve, with female-female threaded connections, heavy series. Nickel plated brass finishing. Full port. Yellow T-handle (gas use). EN331:2015 approved.

## R780G

### M (ISO 228) X F (RP, EN 10226)

PRODUCT CODE	SIZE		
<b>R780GX003</b>	1/2"	5	50
<b>R780GX004</b>	3/4"	5	50
<b>R780GX005</b>	1"	3	30



CERTIFICATIONS AND SYMBOLS



Angle ball valve, with male-female threaded connections. Nickel plated brass finishing. Full port. Yellow T-handle (gas use). EN331:2015 approved.

## R781G

### F (RP, EN 10226) X M (ISO 228)

PRODUCT CODE	SIZE		
<b>R781GX003</b>	1/2"	5	50
<b>R781GX004</b>	3/4"	5	50
<b>R781GX005</b>	1"	3	30



CERTIFICATIONS AND SYMBOLS



Angle ball valve, with female-male threaded connections. Nickel plated brass finishing. Full port. Yellow T-handle (gas use). EN331:2015 approved.

## R782G

### M (ISO 228) X M (ISO 228)

PRODUCT CODE	SIZE	☐	☒
R782GX003	1/2"	5	50
R782GX004	3/4"	5	50
R782GX005	1"	3	30

### M (R, EN 10226) X M (R, EN 10226)

PRODUCT CODE	SIZE	☐	☒
R782GX043	1/2"	5	50
R782GX044	3/4"	5	50
R782GX045	1"	3	30

Angle ball valve, with male-male threaded connections. Nickel plated brass finishing. Full port. Yellow T-handle (gas use). EN331:2015 approved.



CERTIFICATIONS AND SYMBOLS



## R783G

### F (RP, EN 10226) X F (RP, EN 10226)

PRODUCT CODE	SIZE	☐	☒
R783GX003	1/2"	5	50
R783GX004	3/4"	5	50
R783GX005	1"	3	30

Angle ball valve, with female-female threaded connections. Nickel plated brass finishing. Full port. Yellow T-handle (gas use). EN331:2015 approved.



CERTIFICATIONS AND SYMBOLS



## R250D

PRODUCT CODE	SIZE	☐	☒
R250X021	1/4"	20	200
R250X022	3/8"	10	100
R250X023	1/2"	10	100
R250X024	3/4"	5	50
R250X025	1"	5	25
R250X026	1 1/4"	4	20
R250X027	1 1/2"	2	10
R250X028	2"	2	10
R250X029	2 1/2"	2	4
R250X030	3"	2	4
R250X031	4"	1	2

Ball valve, with female-female threaded connections. Chrome plated brass finishing. Standard port. Yellow lever handle (gas use).



## R780PG

### M (ISO 228) X F (ISO 228)

PRODUCT CODE	SIZE	☐	☒
R780PGX034	3/4" M x 3/4" F nut	5	35

Angle ball valve, with male-female threaded connections with nut and gasket. Nickel plated brass finishing. Full port. Yellow T-handle, one lug (gas use). EN331:2015 approved.



CERTIFICATIONS AND SYMBOLS



## R251D

PRODUCT CODE	SIZE	☐	☒
R251X021	1/4"	20	200
R251X022	3/8"	10	100
R251X023	1/2"	10	100
R251X024	3/4"	5	50
R251X025	1"	5	25
R251X026	1 1/4"	5	25

Ball valve, with female-female threaded connections. Chrome plated brass finishing. Standard port. Yellow T-handle (gas use).



## R250G

### F (RP, EN 10226) X F (RP, EN 10226)

PRODUCT CODE	SIZE	☐	☒
R250GX002	3/8"	10	100
R250GX003	1/2"	10	100
R250GX004	3/4"	5	50
R250GX005	1"	5	25
R250GX006	1 1/4"	4	20
R250GX007	1 1/2"	2	10
R250GX008	2"	2	10

Ball valve, with female-female threaded connections. Chrome plated brass finishing. Standard port. Yellow lever handle (gas use). EN331:2015 approved.



CERTIFICATIONS AND SYMBOLS



## R254D

PRODUCT CODE	SIZE	☐	☒
R254X021	1/4"	20	200
R254X022	3/8"	10	100
R254X023	1/2"	10	100
R254X024	3/4"	5	50
R254X025	1"	5	50
R254X026	1 1/4"	4	20

Ball valve, with female-male threaded connections. Chrome plated brass finishing. Standard port. Yellow T-handle (gas use).



## R254DL

PRODUCT CODE	SIZE	☐	☒
R254LX021	1/4"	20	200
R254LX022	3/8"	10	100
R254LX023	1/2"	10	100
R254LX024	3/4"	5	50
R254LX025	1"	2	20
R254LX026	1 1/4"	2	20
R254LX027	1 1/2"	2	10
R254LX028	2"	2	10

Ball valve, with female-male threaded connections. Chrome plated brass finishing. Standard port. Yellow lever handle (gas use).



## R253D

PRODUCT CODE	SIZE		
R253X022	3/8"	10	100
R253X023	1/2"	10	100
R253X024	3/4"	5	50
R253X025	1"	5	50
R253X026	1 1/4"	4	20



Ball valve, with male-male threaded connections. Chrome plated brass finishing. Standard port. Yellow T-handle (gas use).

## R253DL



PRODUCT CODE	SIZE		
R253LX022	3/8"	10	100
R253LX023	1/2"	10	100
R253LX024	3/4"	5	50
R253LX025	1"	2	20
R253LX026	1 1/4"	2	20



Ball valve, with male-male threaded connections. Chrome plated brass finishing. Standard port. Yellow lever handle (gas use).

## Valves specific for domestic water use

### R950W

PRODUCT CODE	SIZE		
R950WX002	3/8"	10	100
R950WX003	1/2"	5	50
R950WX004	3/4"	5	50
R950WX005	1"	5	25
R950WX006	1 1/4"	4	20
R950WX007	1 1/2"	2	10
R950WX008	2"	2	10



DADO ball valve, with female-female threaded connections, heavy series, specific for domestic water. Nickel plated brass finishing. Full port. Green lever handle (water use).



### R951W

PRODUCT CODE	SIZE		
R951WX002	3/8"	10	100
R951WX003	1/2"	10	100
R951WX004	3/4"	5	50
R951WX005	1"	5	25
R951WX006	1 1/4"	4	20



DADO ball valve, with female-female threaded connections, heavy series, specific for domestic water. Nickel plated brass finishing. Full port. Green T-handle (water use).

### R250W

PRODUCT CODE	SIZE		
R250WX022	3/8"	10	100
R250WX023	1/2"	10	100
R250WX024	3/4"	5	50
R250WX025	1"	5	25
R250WX026	1 1/4"	4	20
R250WX027	1 1/2"	2	10
R250WX028	2"	2	10





Ball valve, with female-female threaded connections, specific for domestic water. Chrome plated brass finishing. Standard port. Green lever handle (water use).

#### INFO

The chrome plated version is last in production, the product will be replaced by the nickel plated version.

### R250WS

PRODUCT CODE	SIZE		
R250SX143	1/2"	5	50
R250SX144	3/4"	5	50
R250SX145	1"	5	25
R250SX146	1 1/4"	4	20
R250SX147	1 1/2"	2	10
R250SX148	2"	2	10



Ball valve, with female-female threaded connections, with drain cock with hose connection Ø9 mm, specific for domestic water. Chrome plated brass finishing. Standard port. Green lever handle (water use).

#### INFO

1/2" - 3/4" - 1": drain cock 1/4".  
1 1/4" - 1 1/2" - 2": drain cock 3/8".

The chrome plated version is last in production, the product will be replaced by the nickel plated version.







## R853VWL

PRODUCT CODE	SIZE	□	⊞
R853VY137	1 1/2" M x Ø42	2	10
R853VY138	2" F x Ø54	2	10

Ball valve, with male threaded-press connections (for copper pipe complying with EN 1057; for stainless steel pipe complying with EN 10217-7 and EN 10312; for carbon steel pipe complying with EN 10305-3), specific for domestic water. Brass finishing. Full port. Green lever handle (water use). Pressable with "V" profile tongs.



## R854VT

PRODUCT CODE	SIZE	□	⊞
R854VY102	1/2" F x Ø18	5	50
R854VY103	1/2" F x Ø15	5	50
R854VY104	3/4" F x Ø22	3	30
R854VY105	1" F x Ø28	3	30
R854VY106	1 1/4" F x Ø35	2	20

Ball valve, with female threaded-press connections (for copper pipe complying with EN 1057; for stainless steel pipe complying with EN 10217-7 and EN 10312; for carbon steel pipe complying with EN 10305-3), for pipes with high insulation thickness, specific for domestic water. Brass finishing. Full port. Extended T-handle with green, red and blue plates (water use). Pressable with "V", "SA" or "M" profile tongs.



## R854VWL

PRODUCT CODE	SIZE	□	⊞
R854VY137	1 1/2" F x Ø42	2	12
R854VY138	2" F x Ø54	2	10

Ball valve, with female threaded-press connections (for copper pipe complying with EN 1057; for stainless steel pipe complying with EN 10217-7 and EN 10312; for carbon steel pipe complying with EN 10305-3), specific for domestic water. Brass finishing. Full port. Green lever handle (water use). Pressable with "V" profile tongs.



## R859VT

PRODUCT CODE	SIZE	□	⊞
R859VY102	1/2" M x Ø18	5	50
R859VY103	1/2" M x Ø15	5	50
R859VY104	3/4" M x Ø22	3	30
R859VY105	1" M x Ø28	3	15
R859VY106	1 1/4" M x Ø35	2	10

Ball valve, with tail piece male threaded-press connections (for copper pipe complying with EN 1057; for stainless steel pipe complying with EN 10217-7 and EN 10312; for carbon steel pipe complying with EN 10305-3), for pipes with high insulation thickness, specific for domestic water. Brass finishing. Full port. Extended T-handle with green, red and blue plates (water use). Pressable with "V", "SA" or "M" profile tongs.



### MAIN FEATURES OF THE BALL VALVES WITH PRESS CONNECTIONS

#### MATERIALS

- Body in hot-stamped brass CW617N - EN 12165, with double black O-ring in alimentary-approved EPDM complying with EN 681-1
- Sleeve in hot-stamped brass CW617N - EN 12165, with double black O-ring in alimentary-approved EPDM complying with EN 681-1
- Stem in brass obtained from bar CW617N - EN 12164, with internal and external anti-friction rings and double O-ring seal
- Full port ball in UBA listed brass alloy
- Gaskets in PTFE with a low-friction profile
- Extended butterfly handle in glass-charged polyamide with steel reinforcement plate on the base for R851VT, or steel lever with green plastic covering for R850VW
- Nut with anti-corrosion chemical covering, safety seal and hologram.



- 1 All the brass alloys used are UBA listed
- 2 Stem with internal and external anti-friction ring and double O-ring seal.
- 3 Stem fitted from the inside, to offer greater protection against tampering.
- 4 The PTFE gaskets with low friction profile ensure easy opening/closure of the valve, whilst still guaranteeing a good seal.
- 5 2 O-rings on the press-on connection guarantee an excellent seal and improved pipe positioning during pressing (better guide).
- 6 Ball surface diamond-sanded and chrome-plated for a long lifespan.
- 7 Additional hole on the bottom of the ball, to guarantee a constant exchange of the water which settles between the ball and valve body during manoeuvre operations. This constant water change prevents the formation of bacterial colonies.

- 8 T-handle in shock-proof plastic or handle with plastic lever for greater resistance.
- 9 Possibility to replace the plate in the R851VT models, depending on the application: hot water (red), cold water (blue), or drinking water (green). All the Brass used in the DVGW green lever valves are UBA listed and comply with Italian Ministerial Decree No. 174 of 06/04/2004.



# Valves with alternative threads, for water for heating/cooling systems, dangerous and not dangerous

## ⚠ WARNING

For information about product certification (applicability, field of use, terms of approval), please contact Giacomini technical support.

## R910-U

### NICKEL PLATED BRASS FINISHING

PRODUCT CODE	SIZE	☐	☒
R910UX003	1/2" NPT	10	100
R910UX004	3/4" NPT	5	50
R910UX005	1" NPT	5	25
R910UX006	1 1/4" NPT	4	20
R910UX007	1 1/2" NPT	2	10
R910UX008	2" NPT	2	10

### BRASS FINISHING

PRODUCT CODE	SIZE	☐	☒
R910UY003	1/2" NPT FxF	10	100
R910UY004	3/4" NPT FxF	5	50
R910UY005	1" NPT FxF	5	25
R910UY006	1 1/4" NPT FxF	4	20
R910UY007	1 1/2" NPT FxF	2	10
R910UY008	2" NPT FxF	2	10
R910UY009	2 1/2" NPT FxF	2	4
R910UY010	3" NPT FxF	1	2
R910UY011	4" NPT FxF	1	-

DADO ball valve, with female-female connections. Nickel plated brass finishing or brass finishing. Full port. Red lever handle.

### ⓘ INFO

For information about product certification (applicability, field of use, terms of approval), please contact Giacomini technical support.



## R250D-U

PRODUCT CODE	SIZE	☐	☒
R250UY001	1/4" NPT	20	200
R250UY002	3/8" NPT	10	100
R250UY003	1/2" NPT	10	100
R250UY004	3/4" NPT	5	50
R250UY005	1" NPT	6	30
R250UY006	1 1/4" NPT	4	20
R250UY007	1 1/2" NPT	2	10
R250UY008	2" NPT	2	10
R250UY009	2 1/2" NPT	2	4
R250UY010	3" NPT	2	4
R250UY011	4" NPT	1	2

Ball valve, with female-female connections. Brass finishing. Standard port. Red lever handle.

### ⓘ INFO

For information about product certification (applicability, field of use, terms of approval), please contact Giacomini technical support.



## R850-U

PRODUCT CODE	SIZE	☐	☒
R850UY003	1/2" NPT	10	100
R850UY004	3/4" NPT	5	50
R850UY005	1" NPT	5	25
R850UY006	1 1/4" NPT	4	20
R850UY007	1 1/2" NPT	2	10
R850UY008	2" NPT	2	10

Ball valve, with female-female connections. Brass finishing. Full port. Red lever handle.

### ⓘ INFO

For information about product certification (applicability, field of use, terms of approval), please contact Giacomini technical support.



## R254D-U

PRODUCT CODE	SIZE	☐	☒
R254UY003	1/2" NPT	10	100
R254UY004	3/4" NPT	5	50
R254UY005	1" NPT	6	36
R254UY006	1 1/4" NPT	4	20

Ball valve, with female-male threaded connections. Brass finishing. Standard port. Red T-handle.

### ⓘ INFO

For information about product certification (applicability, field of use, terms of approval), please contact Giacomini technical support.





## Under-sink and washing machine cocks

### R613

PRODUCT CODE	SIZE	☐	☒
<b>R613X003</b>	1/2" x 1/2"	2	90

Under-sink ball cock, with male-male threaded connections. Chrome plated brass finishing. Standard port. Plastic handle (water use).



### R614

PRODUCT CODE	SIZE	☐	☒
<b>R614X004</b>	1/2" x 3/4"	1	80

Washing machine ball cock, with male-male threaded connections. Chrome plated brass finishing. Standard port. Plastic handle (water use).



## BIB cocks

### R619

PRODUCT CODE	SIZE	☐	☒
<b>R619X103</b>	1/2"	5	50

BIB cock, with male threaded connection-hose connection. Chrome plated brass finishing. Standard port. Red short lever handle (water use).



### R621

PRODUCT CODE	SIZE	☐	☒
<b>R621X003</b>	1/2"	5	50
<b>R621X014</b>	3/4"	5	50
<b>R621X015</b>	1"	3	30

BIB cock, with male threaded connection-hose connection. Chrome plated brass finishing. Standard port. Red lever handle (water use).



### R620

PRODUCT CODE	SIZE	☐	☒
<b>R620X003</b>	1/2"	5	50
<b>R620X014</b>	3/4"	5	50
<b>R620X015</b>	1"	3	30

BIB cock, with male threaded connection-hose connection. Chrome plated brass finishing. Standard port. Red T-handle (water use).



## Accessories and spare parts

### R622

PRODUCT CODE	SIZE	☐	☒
<b>R622X004</b>	3/4"	1	200

Backflow preventer for hydraulic connection to the water distribution network with plastic pipes. Chrome plated brass.



### R747

PRODUCT CODE	SIZE	☐	☒
<b>R747Y001</b>	3/8" - 1/2"	100	1.000
<b>R747Y002</b>	3/4" - 1" - 1 1/4"	100	1.000
<b>R747Y003</b>	1 1/2" - 2"	100	1.000

Metallic locking plate for ball valves (placing this locking plate under the handle allows the valve to be locked in either open or closed position).















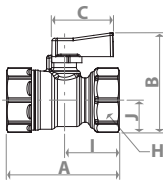




## R690

SIZE	DN	A	I	B	J	C	H
3/8"	8	38	17	35	10,5	24	20
1/2"	10	46	22	41	13	24	25

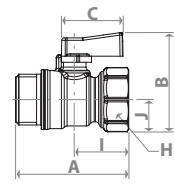
Min. working temperature: 0 °C con soluzioni glicolate  
 Max. working temperature: 90 °C  
 Max. working pressure at 20 °C with water and not dangerous gas:  
 1,6 MPa (16 bar)



## R694

SIZE	DN	A	I	B	J	C	H
3/8"	8	37	17	35	10,5	24	20
1/2"	10	46	22	41	13	24	25

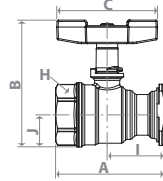
Min. working temperature: 0 °C con soluzioni glicolate  
 Max. working temperature: 90 °C  
 Max. working pressure at 20 °C with water and not dangerous gas:  
 1,6 MPa (16 bar)



## R285

SIZE	DN	A	I	B	J	C	H	KV
1"F x 1 1/2"M	22	79	42	92	23	73	40	36,3
1 1/4"F x 1 1/2"M	28	88	46	110	28	73	48	73,5
1 1/4"F x 2"M	28	88	46	110	28	73	48	73,5

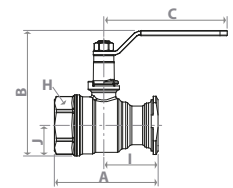
Min. working temperature:  
 -20 °C with 50 % glycol solutions  
 Max. working conditions with dry saturated steam:  
 185 °C with 1,05 MPa (10,5 bar)  
 Max. working pressure at 20 °C with water: 3,5 MPa (35 bar)



## R285L

SIZE	DN	A	I	B	J	C	H	KV
1"F x 1 1/2"M	22	79	42	95	23	94	40	36,3
1 1/4"F x 2"M	28	88	46	113	28	94	48	73,5

Min. working temperature:  
 -20 °C with 50 % glycol solutions  
 Max. working conditions with dry saturated steam:  
 185 °C with 1,05 MPa (10,5 bar)  
 Max. working pressure at 20 °C with water: 3,5 MPa (35 bar)

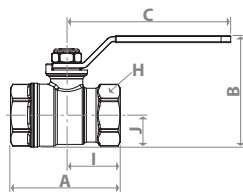


## R250W

SIZE	DN	A	I	B	J	C	H	KV
3/8"	10	48	24	46	14	77	21	6,7
1/2"	14	56	28	49	15	77	25	10,2
3/4"	18	68	34	64	18	94	32	18,5
1"	22	79	40	73	23	94	39	36,3
1 1/4"	28	92	46	82	28	94	48	73,5
1 1/2"	35	100	50	100	33	136	55	105
2"	45	121	61	115	41	136	67	158

Temperature range with water and not dangerous gas:  
 Max. working pressure at 20 °C with water and not dangerous gas:

5=120 °C  
 4,2 MPa (42 bar) for 3/8" - 1/2" - 3/4"  
 3,5 MPa (35 bar) for 1" - 1 1/4" - 1 1/2" - 2"

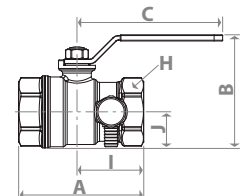


## R250WS

SIZE	DN	A	I	B	J	C	H	KV
1/2"	14	60	32	49	15	77	25	10,2
3/4"	18	71	36	64	18	94	32	18,5
1"	22	83	43	73	23	94	39	36,3
1 1/4"	28	102	56	82	28	94	48	73,5
1 1/2"	35	110	60	100	33	136	55	105
2"	45	128	67	115	41	136	67	158

Temperature range with water and not dangerous gas:  
 Max. working pressure at 20 °C with water and not dangerous gas:

5=120 °C  
 4,2 MPa (42 bar) for 1/2" - 3/4"  
 3,5 MPa (35 bar) for 1" - 1 1/4" - 1 1/2" - 2"

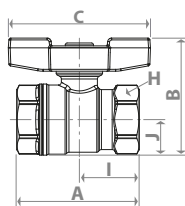


## R251W

SIZE	DN	A	I	B	J	C	H	KV
3/8"	10	48	24	49	14	63	21	6,7
1/2"	14	56	28	51	15	63	25	10,2
3/4"	18	68	34	60	18	73	32	18,5
1"	22	79	40	69	23	73	40	36,3
1 1/4"	28	92	46	77	27	73	48	73,5

Temperature range with water and not dangerous gas:  
 Max. working pressure at 20 °C with water and not dangerous gas:

5=120 °C  
 4,2 MPa (42 bar) for 3/8" - 1/2" - 3/4"  
 3,5 MPa (35 bar) for 1" - 1 1/4"

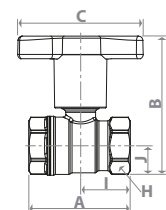


## R251WT

SIZE	DN	A	I	B	J	C	H	KV
3/8"	10	48	24	75	14	78	21	6,7
1/2"	14	57	28	77	15	78	25	10,2
3/4"	18	68	34	86	18	78	32	18,5
1"	22	79	39,5	95	23	78	40	36,3
1 1/4"	28	92	46	104	28	78	49	73,5

Temperature range with water and not dangerous gas:  
 5=110 °C, possibility of 120 °C for short periods of time  
 Max. working pressure at 20 °C with water and not dangerous gas:

4,2 MPa (42 bar) for 3/8" - 1/2" - 3/4"  
 3,5 MPa (35 bar) for 1" - 1 1/4"

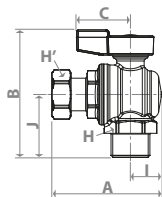




### R780PG

SIZE	DN	A	I	B	J	C	H	H'
<b>3/4" M x Nut 3/4" F</b>	20	74	21	86	43	37	32	30

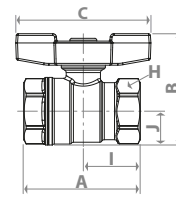
Temperature range with dangerous gas and liquid hydrocarbons: -20÷60 °C  
 Max. operating pressure (MOP) with dangerous gas: 0,5 MPa (5 bar)



### R731G

SIZE	DN	A	I	B	J	C	H
<b>1/2"</b>	15	60	30	55	16	63	26
<b>3/4"</b>	20	68	34	69	21	77	32
<b>1"</b>	25	81	41	77	25	77	41
<b>1 1/4"</b>	32	95	48	87	30	77	50

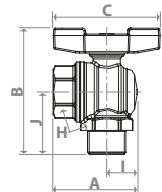
Temperature range with dangerous gas and liquid hydrocarbons: -20÷60 °C  
 Max. operating pressure (MOP) with dangerous gas: 0,5 MPa (5 bar)



### R780G

SIZE	DN	A	I	B	J	C	H
<b>1/2"</b>	15	50	18	79	41	63	26
<b>3/4"</b>	20	58	21	87	44	73	32
<b>1"</b>	25	69	25	98	51	73	41

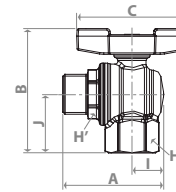
Temperature range with dangerous gas and liquid hydrocarbons: -20÷60 °C  
 Max. operating pressure (MOP) with dangerous gas: 0,5 MPa (5 bar)



### R781G

SIZE	DN	A	I	B	J	C	H	H'
<b>1/2"</b>	15	59	18	71	33	63	22	26
<b>3/4"</b>	20	68	21	82	39	73	29	32
<b>1"</b>	25	80	25	94	46	73	36	41

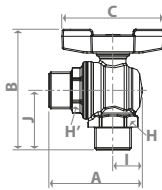
Temperature range with dangerous gas and liquid hydrocarbons: -20÷60 °C  
 Max. operating pressure (MOP) with dangerous gas: 0,5 MPa (5 bar)



### R782G

SIZE	DN	A	I	B	J	C	H	H'
<b>1/2"</b>	15	59	18	79	41	63	22	26
<b>3/4"</b>	20	68	21	87	44	73	29	32
<b>1"</b>	25	80	25	98	51	73	36	41

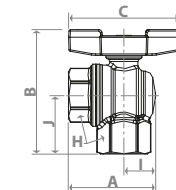
Temperature range with dangerous gas and liquid hydrocarbons: -20÷60 °C  
 Max. operating pressure (MOP) with dangerous gas: 0,5 MPa (5 bar)



### R783G

SIZE	DN	A	I	B	J	C	H
<b>1/2"</b>	15	50	18	71	33	63	26
<b>3/4"</b>	20	58	21	82	39	73	32
<b>1"</b>	25	69	25	94	46	73	41

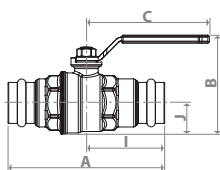
Temperature range with dangerous gas and liquid hydrocarbons: -20÷60 °C  
 Max. operating pressure (MOP) with dangerous gas: 0,5 MPa (5 bar)



### R850VW

SIZE	DN	A	I	B	J	C	KV
<b>Ø42</b>	40	158	79	106	36	136	140
<b>Ø54</b>	50	186	91	122	44	136	211

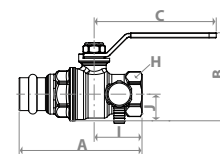
Max. working pressure at 20 °C with water: 2,8 MPa (28 bar)  
 Max. working temperature: 110 °C



### R850VWS

SIZE	DN	A	I	B	J	C	H	KV
<b>1 1/2" F x Ø42</b>	40	141	62	106	36	136	54	140
<b>2" F x Ø54</b>	50	165	69	122	44	136	67	211

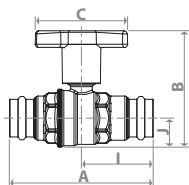
Max. working pressure at 20 °C with water: 3,5 MPa (35 bar), da 15 a 22  
 2,8 MPa (28 bar), da 28 a 54  
 Max. working temperature: 110 °C



### R851VT

SIZE	DN	A	I	B	J	C	KV
<b>Ø18</b>	15	100	50	80	16	78	12,7
<b>Ø15</b>	15	100	50	81	17	78	12,7
<b>Ø22</b>	20	116	58	90	20	78	24,6
<b>Ø28</b>	25	122	61	98	25	78	48,5
<b>Ø35</b>	32	130	65	108	30	78	98

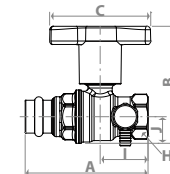
Max. working pressure at 20 °C with water: 3,5 MPa (35 bar), for 15 to 22  
 2,8 MPa (28 bar), for 28 to 35  
 Max. working temperature: 110 °C



### R851VTS

SIZE	DN	A	I	B	J	C	H	KV
<b>1/2" F x Ø18</b>	15	84	34	81	17	78	25	12,7
<b>1/2" F x Ø15</b>	15	84	34	81	17	78	25	12,7
<b>3/4" F x Ø22</b>	20	95	37	91	21	78	31	24,6
<b>1" F x Ø28</b>	25	105	44	98	25	78	39	48,5
<b>1 1/4" F x Ø35</b>	32	122	57	108	30	78	48	98

Max. working pressure at 20 °C with water: 3,5 MPa (35 bar), for 15 to 22  
 2,8 MPa (28 bar), for 28 to 35  
 Max. working temperature: 110 °C



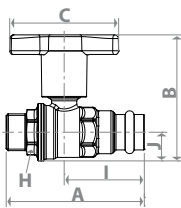


**R853VT**

SIZE	DN	A	I	B	J	C	H	KV
<b>1/2" M x ø18</b>	15	86	50	81	17	78	22	12,7
<b>1/2" M x ø15</b>	15	86	50	81	17	78	22	12,7
<b>3/4" M x ø22</b>	20	99	58	90	21	78	29	24,6
<b>1" M x ø28</b>	25	107	61	99	25	78	36	48,5
<b>1 1/4" M x ø35</b>	32	120	65	109	30	78	44	98

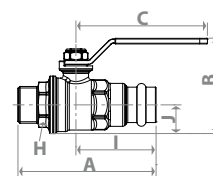
Max. working pressure at 20 °C with water: 3,5 MPa (35 bar), for 15 to 22  
2,8 MPa (28 bar), for 28 to 35

Max. working temperature: 110 °C

**R853VWL**

SIZE	DN	A	I	B	J	C	H	KV
<b>1 1/2" M x ø42</b>	40	136	76	107	37	137	54	140
<b>2" M x ø54</b>	50	159	91	122	44	137	67	211

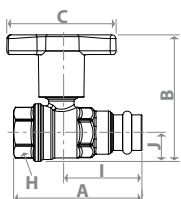
Max. working pressure at 20 °C with water: 2,8 MPa (28 bar)  
Temperature range: 5÷110 °C

**R854VT**

SIZE	DN	A	I	B	J	C	H	KV
<b>1/2" F x ø18</b>	15	80	50	81	17	78	26	12,7
<b>1/2" F x ø15</b>	15	80	50	81	17	78	26	12,7
<b>3/4" F x ø22</b>	20	92	58	90	21	78	32	24,6
<b>1" F x ø28</b>	25	102	61	99	25	78	41	48,5
<b>1 1/4" F x ø35</b>	32	112	65	108	30	78	50	98

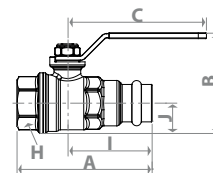
Max. working pressure at 20 °C with water: 3,5 MPa (35 bar), for 15 to 22  
2,8 MPa (28 bar), for 28 to 54

Max. working temperature: 110 °C

**R854VWL**

SIZE	DN	A	I	B	J	C	H	KV
<b>1 1/2" F x ø42</b>	40	131	79	107	37	137	55	140
<b>2" F x ø54</b>	50	154	91	122	44	137	69	211

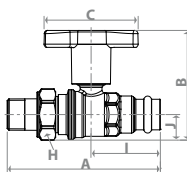
Max. working pressure at 20 °C with water: 2,8 MPa (28 bar), for 28 to 54  
Temperature range: 5÷110 °C

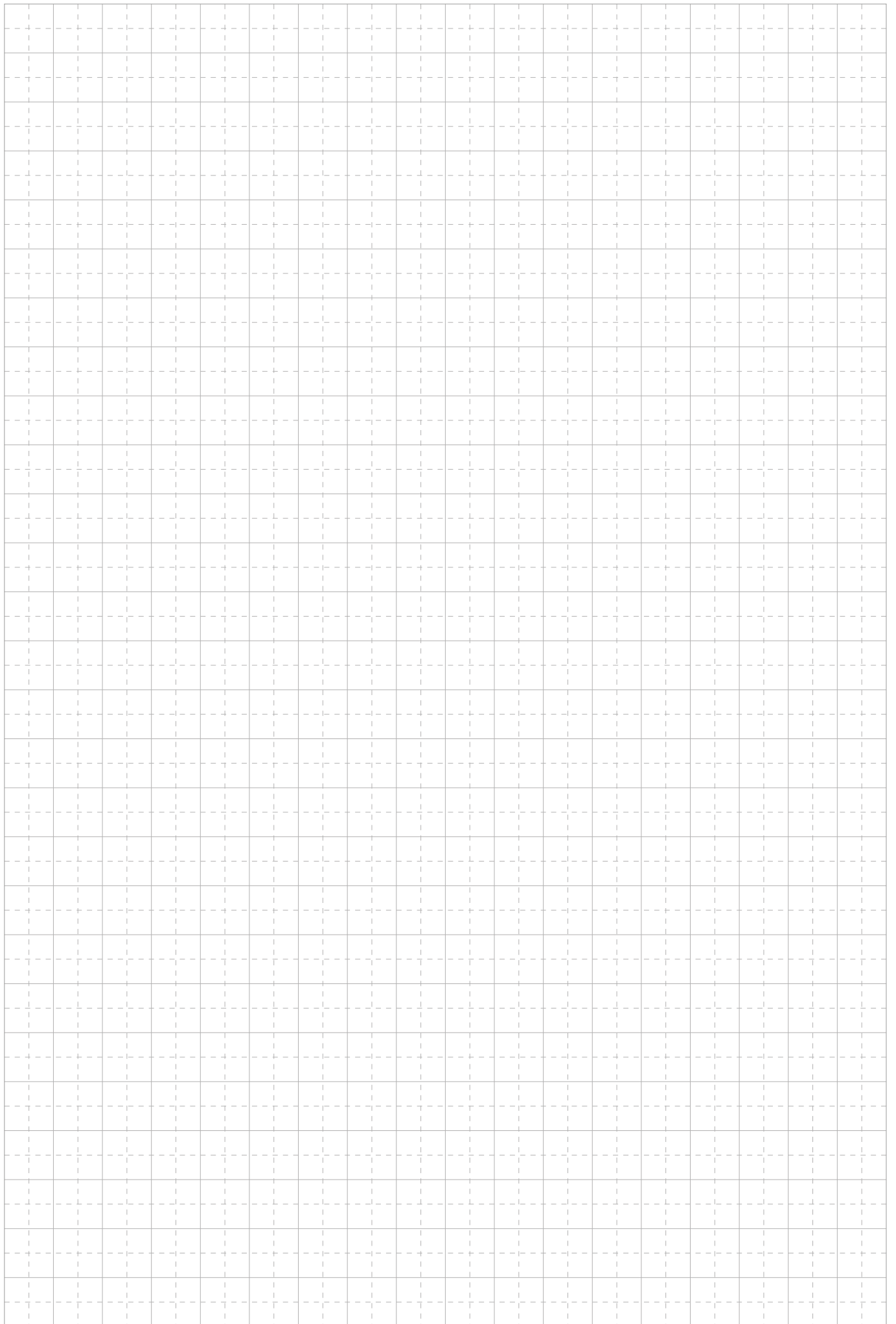
**R859VT**

SIZE	DN	A	I	B	J	C	H	KV
<b>1/2" M x ø18</b>	15	112	50	81	17	78	30	12,7
<b>1/2" M x ø15</b>	15	112	50	81	17	78	30	12,7
<b>3/4" M x ø22</b>	20	127	57	91	21	78	38	24,6
<b>1" M x ø28</b>	25	135	61	100	26	78	46	48,5
<b>1 1/4" M x ø35</b>	32	150	65	108	30	78	53	98

Max. working pressure at 20 °C with water: 3,5 MPa (35 bar), for 15 to 22  
2,8 MPa (28 bar), for 28 to 35

Max. working temperature: 110 °C





**Chapter 4** Thanks to our tradition and skills, we can offer a wide range of fittings and adaptors for every possible installation need.

Mechanical compression fittings or those with a metal seal, pressure fittings with multi-tong profile, and quick connection fittings: these are just a few of our product lines.



#### SECTOR OF APPLICATION



Domestic water, cold and hot



Floor heating system and low-temperature radiators



High temperature radiator heating system



Cooling radiant system



Multigas system

# Fittings

## *Products*

108	Multitong press fittings - RM series
113	Adaptors for multilayer and plastic pipes
114	Adaptors for copper pipes
114	Fittings for adaptors
116	Fittings for multilayer and plastic pipes
118	Fittings for copper pipes
120	3 pieces fittings, nipples, other fittings
122	Giacogreen system
125	Accessories and spare parts
128	Giacoquest system
132	GX system

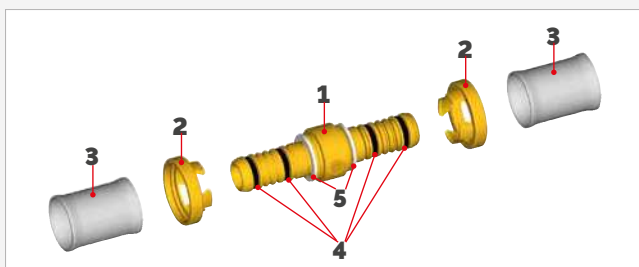
# ➤ Multitong press fittings - RM series

## PRESSURE FITTING INSTALLATION SEQUENCE

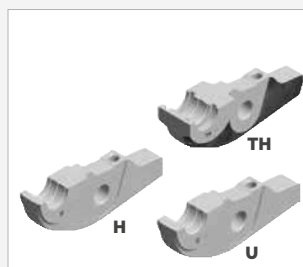


Refer to the specific Technical Datasheet 0509EN

## CONSTRUCTION DETAILS



1	Body in brass
2	Sleeve-fastener ring (for Ø 75 and 90 mm with insulating barrier function)
3	Sleeve
4	O-ring
5	Insulating barrier (from Ø 16 to 63 mm)



### PROFILE OF THE TONGS

SIZE OF THE PIPE	PROFILE OF THE TONGS
16 x 2	TH - H - U
20 x 2	TH - H - U
26 x 3	TH - H
32 x 3	TH - H - U
40 x 3,5	TH - U
50 x 4	TH - U
63 x 4,5	TH
75 x 5	U
90 x 7	U



### DETAIL OF THE SLEEVE

The writing "RM series" indicates that the fitting can be pressed with the tongs with TH-H-U profiles.

## RM102



PRODUCT CODE	SIZE	□	⊞
RM102Y003	16 x 2	10	360
RM102Y007	20 x 2	10	200
RM102Y009	26 x 3	5	100
RM102Y011	32 x 3	5	100
RM102Y014	40 x 3,5	1	30
RM102Y015	50 x 4	1	20
RM102Y016	63 x 4,5	1	10
RM102Y017	75 x 5	1	-
RM102Y018	90 x 7	1	-



Straight fitting, multitong connections for plastic or multilayer pipes. For plumbing systems.

## RM103



PRODUCT CODE	SIZE	□	⊞
RM103Y010	(20 x 2) x (16 x 2)	10	200
RM103Y016	(26 x 3) x (16 x 2)	10	200
RM103Y018	(26 x 3) x (20 x 2)	10	200
RM103Y020	(32 x 3) x (16 x 2)	5	100
RM103Y021	(32 x 3) x (20 x 2)	5	100
RM103Y022	(32 x 3) x (26 x 3)	5	100
RM103Y064	(40 x 3,5) x (26 x 3)	1	30
RM103Y065	(40 x 3,5) x (32 x 3)	1	30
RM103Y075	(50 x 4) x (32 x 3)	1	25
RM103Y076	(50 x 4) x (40 x 3,5)	1	20
RM103Y086	(63 x 4,5) x (40 x 3,5)	1	20
RM103Y087	(63 x 4,5) x (50 x 4)	1	20
RM103Y092	(75 x 5) x (50 x 4)	1	-
RM103Y093	(75 x 5) x (63 x 4,5)	1	-
RM103Y095	(90 x 7) x (63 x 4,5)	1	-
RM103Y096	(90 x 7) x (75 x 5)	1	-



Reducer straight fitting, multitong connections for plastic or multilayer pipes. For plumbing systems.









## RM107-G

PRODUCT CODE	SIZE	□	⊞
RM107Y233	1/2" x (16 x 2)	10	-
RM107Y237	1/2" x (20 x 2)	10	-
RM107Y247	3/4" x (20 x 2)	5	-
RM107Y249	3/4" x (26 x 3)	5	-
RM107Y259	1" x (32 x 3)	5	-

Straight fitting, male thread and multitong connections for Multigas system.

## RM109-G

PRODUCT CODE	SIZE	□	⊞
RM109Y233	1/2" x (16 x 2)	10	-
RM109Y237	1/2" x (20 x 2)	10	-
RM109Y247	3/4" x (20 x 2)	5	-
RM109Y249	3/4" x (26 x 3)	5	-
RM109Y259	1" x (32 x 3)	5	-

Straight fitting, female thread and multitong connections for Multigas system.

## RM122-G

PRODUCT CODE	SIZE	□	⊞
RM122Y203	16 x 2	10	-
RM122Y207	20 x 2	10	-
RM122Y209	26 x 3	5	-
RM122Y211	32 x 3	5	-

90° elbow fitting, multitong connections for Multigas system.

## RM127-G

PRODUCT CODE	SIZE	□	⊞
RM127Y233	1/2" x (16 x 2)	10	-
RM127Y237	1/2" x (20 x 2)	10	-
RM127Y247	3/4" x (20 x 2)	10	-
RM127Y249	3/4" x (26 x 3)	10	-
RM127Y259	1" x (32 x 3)	5	-

90° elbow fitting, male thread and multitong connections for Multigas system.

## RM129-G

PRODUCT CODE	SIZE	□	⊞
RM129Y233	1/2" x (16 x 2)	10	-
RM129Y237	1/2" x (20 x 2)	10	-
RM129Y247	3/4" x (20 x 2)	10	-
RM129Y249	3/4" x (26 x 3)	5	-
RM129Y259	1" x (32 x 3)	5	-

90° elbow fitting, female thread and multitong connections for Multigas system.

## RM139-G

PRODUCT CODE	SIZE	□	⊞
RM139Y233	1/2" x (16 x 2)	10	-
RM139Y237	1/2" x (20 x 2)	5	-
RM139Y249	3/4" x (26 x 3)	5	-

90° elbow fitting with wall support, female thread and multitong connections for Multigas system.



## RM150-G

PRODUCT CODE	SIZE	□	⊞
RM150Y203	16 x 2	10	-
RM150Y207	20 x 2	10	-
RM150Y209	26 x 3	5	-
RM150Y211	32 x 3	5	-

Tee fitting, multitong connections for Multigas system.



## RM151-G

PRODUCT CODE	SIZE	□	⊞
RM151Y245	(16 x 2) x (20 x 2) x (16 x 2)	10	-
RM151Y263	(20 x 2) x (16 x 2) x (16 x 2)	10	-
RM151Y264	(20 x 2) x (16 x 2) x (20 x 2)	10	-
RM151Y265	(20 x 2) x (20 x 2) x (16 x 2)	10	-
RM151Y267	(20 x 2) x (26 x 3) x (20 x 2)	5	-
RM151Y284	(26 x 3) x (20 x 2) x (20 x 2)	10	-
RM151Y285	(26 x 3) x (16 x 2) x (26 x 3)	5	-
RM151Y286	(26 x 3) x (20 x 2) x (26 x 3)	5	-
RM151Y289	(26 x 3) x (26 x 3) x (20 x 2)	5	-
RM151Y292	(32 x 3) x (26 x 3) x (26 x 3)	5	-
RM151Y293	(32 x 3) x (26 x 3) x (32 x 3)	5	-

Reducer Tee fitting, multitong connections for Multigas system.



CERTIFICATIONS AND SYMBOLS



## RM154-G

PRODUCT CODE	SIZE	□	⊞
RM154Y233	1/2" x (16 x 2)	10	-
RM154Y237	1/2" x (20 x 2)	10	-
RM154Y249	3/4" x (26 x 3)	5	-

Tee fittings, female thread and multitong connections for Multigas system.



## RM179P-G

PRODUCT CODE	SIZE	□	⊞
RM179Y253	1/2" x (16 x 2)	10	-
RM179Y256	1/2" x (20 x 2)	10	-
RM179Y263	3/4" x (16 x 2)	10	-
RM179Y266	3/4" x (20 x 2)	10	-
RM179Y269	3/4" x (26 x 3)	10	-

Straight fitting, flat seat with nut and multitong connection for Multigas system.



## RP200-1

### NEW VERSION

PRODUCT CODE	SIZE	□	⊞
RP200Y032	18 V battery pressing tool	1	-
RP201Y012	18 V battery for RP200Y032	1	-

### SPARE PARTS FOR RP200Y022 (OUT OF PRODUCTION)

PRODUCT CODE	SIZE	□	⊞
RP201Y002	18 V battery for RP200Y022	1	-

18 V battery pressing tool for press fittings, supplied in case.

Include: battery charger and N°3 tongs: TH16, TH20, TH26.



## RP202

PRODUCT CODE	SIZE	☐	☒
RP202Y016	Ø16 - TH profile	1	-
RP202Y017	Ø17 - TH profile	1	-
RP202Y018	Ø18 - TH profile	1	-
RP202Y020	Ø20 - TH profile	1	-
RP202Y026	Ø26 - TH profile	1	-
RP202Y232	Ø32 - TH profile	1	-

Tongs for RP200-1 pressing tool.



## RP203

### BASE JAW

PRODUCT CODE	SIZE	☐	☒
RP203Y203	For TH ring inserts	1	-
RP203Y204	For U ring inserts	1	-

### RING INSERTS

PRODUCT CODE	SIZE	☐	☒
RP202Y240	Ø40 - TH profile	1	-
RP202Y250	Ø50 - TH profile	1	-
RP202Y263	Ø63 - TH profile	1	-
RP202Y275	Ø75 - U profile for RP203Y204	1	-
RP202Y290	Ø90 - U profile for RP203Y204	1	-

Base jaw for RP200-1 pressing tool. To be combined with the properly ring inserts.



## Adaptors for multilayer and plastic pipes

### R179

PRODUCT CODE	SIZE	☐	☒
R179X034	16 x (15 x 2)	25	250
R179X033	16 x (15 x 2,5)	25	250
R179X041	16 x (16 x 1,5)	25	250
R179X046	16 x (18 x 2,5)	25	250
R179X094	18 x (15 x 2)	25	250
R179X070	18 x (15 x 2,5)	25	250
R179X077	18 x (16 x 1,5)	25	250
R179X082	18 x (18 x 2,5)	25	250
R179X087	18 x (20 x 2,8)	25	250
R179X086	18 x (20 x 3,4)	25	250
R179X095	18 x (22 x 2)	25	250
R179X105	22 x (25 x 2,3)	25	250
R179X104	22 x (25 x 2,5)	10	100
R179X103	22 x (25 x 3,5)	10	100
R179AY071	28 x (32 x 2,9)	10	100
R179AY070	28 x (32 x 4,4)	10	100

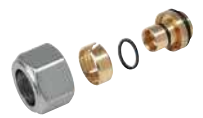
Plastic pipe adaptor. For plumbing systems.



### R179AM

PRODUCT CODE	SIZE	☐	☒
R179MX012	16 x (14 x 2)	25	250
R179MX014	16 x (16 x 2)	25	250
R179MX013	16 x (16 x 2,2)	25	250
R179MX016	16 x (16,2 x 2,6)	25	250
R179MX019	16 x (17 x 2)	25	250
R179MX015	16 x (18 x 2)	25	250
R179MX020	16 x (20 x 2)	25	250
R179MX021	16 x (20 x 2,5)	25	250
R179MX022	18 x (14 x 2)	25	250
R179MX024	18 x (16 x 2)	25	250
R179MX023	18 x (16 x 2,2)	25	250
R179MX028	18 x (16,2 x 2,6)	25	250
R179MX034	18 x (17 x 2)	25	250
R179MX025	18 x (18 x 2)	25	250
R179MX026	18 x (20 x 2)	25	250
R179MX035	18 x (20 x 2,25)	25	250
R179MX027	18 x (20 x 2,5)	25	250
R179MX041	22 x (20 x 2)	1	250
R179MX045	28 x (32 x 3)	-	-

Multilayer and plastic pipe adaptor. For plumbing systems.



### R179E

PRODUCT CODE	SIZE	☐	☒
R179EY052	1/2" x (16 x 1,8)	50	500
R179EY055	1/2" x (16 x 2)	25	250
R179EY056	1/2" x (16 x 2,2)	25	250
R179EY058	1/2" x (16,2 x 2,6)	25	250
R179EX023	3/4" Eurocone x (14 x 2)	25	250
R179EX043	3/4" Eurocone x (15 x 1,7)	25	250
R179EY028	3/4" Eurocone x (16 x 1,8)	25	250
R179EX024	3/4" Eurocone x (16 x 2)	25	250
R179EX028	3/4" Eurocone x (16 x 2,2)	25	250
R179EX025	3/4" Eurocone x (17 x 2)	25	250
R179EX026	3/4" Eurocone x (18 x 2)	25	250
R179EX027	3/4" Eurocone x (20 x 2)	25	250
R179EX029	3/4" Eurocone x (20 x 2,8)	25	250

Plastic pipe adaptor, Eurocone connection. For plumbing systems.



### R179SP

PRODUCT CODE	SIZE	☐	☒
R179PY014	1/2" x (16 x 2)	25	250

Multilayer pipe adaptor with flat seat. For plumbing systems.



### T179M

PRODUCT CODE	SIZE	☐	☒
T179MX005	16 x (14 x 2)	1	10
T179MX009	16 x (16 x 2)	1	10
T179MX010	16 x (16 x 2,2)	1	10
T179EX024	3/4" Eurocone x (16 x 2)	1	10

Multilayer and plastic pipe adaptor, polish chrome plated for toweldryer. For plumbing systems.



## Adaptors for copper pipes

### R178



PRODUCT CODE	SIZE	□	⊞
R178X011	16 x 9,5	50	500
R178X012	16 x 10	50	250
R178X013	16 x 12	50	250
R178X014	16 x 12,7	50	250
R178X015	16 x 14	50	250
R178X016	16 x 15	25	250
R178X018	16 x 16	50	250
R178X031	18 x 10	50	250
R178X032	18 x 12	25	250
R178X033	18 x 14	50	250
R178X034	18 x 15	50	250
R178X035	18 x 16	50	250
R178X036	18 x 18	50	250
R178X041	22 x 16	50	500
R178X042	22 x 18	25	250
R178X043	22 x 22	25	250



Copper pipe adaptor. For plumbing systems.

### R178E



PRODUCT CODE	SIZE	□	⊞
R178EY121	1/2" x 10	50	500
R178EY122	1/2" x 12	50	500
R178EY123	1/2" x 14	50	500
R178EY124	1/2" x 15	50	500
R178EY125	1/2" x 16	50	500
R178EX112	3/4" Eurocone x 12	50	500
R178EX113	3/4" Eurocone x 14	50	500
R178EX104	3/4" Eurocone x 15	25	250
R178EX115	3/4" Eurocone x 16	50	500
R178EX116	3/4" Eurocone x 18	50	500



Copper pipe adaptor, Eurocone connections. For plumbing systems.

### T178C



PRODUCT CODE	SIZE	□	⊞
T178CX012	16 x Ø10	1	30
T178CX013	16 x Ø12	1	30
T178CX015	16 x Ø14	1	15
T178CX016	16 x Ø15	1	15
T178CX018	16 x Ø16	1	15



Copper pipe adaptor, polish chrome plated for toweldryer. For plumbing systems.

## Fittings for adaptors

### R180R

#### BRASS FINISH

PRODUCT CODE	SIZE	□	⊞
R180RY007	3/8" x 16	50	500
R180RY008	3/8" x 18	50	500
R180RY015	1/2" x 16	50	500
R180RY016	1/2" x 18	25	250
R180RY017	1/2" x 3/4" Eurocone	25	250
R180RY020	3/4" x 16	25	250
R180RY021	3/4" x 18	25	250
R180RY023	3/4" x 22	25	250
R180RY027	1" x 22	20	200
R180RY028	1" x 28	10	100
R180RY034	1 1/4" x 28	10	100



#### CHROME PLATED

PRODUCT CODE	SIZE	□	⊞
R180RX015	1/2" x 16	50	500
R180RX016	1/2" x 18	25	250
R180RX021	3/4" x 18	25	250
R180RX023	3/4" x 22	25	250

Straight fitting, male thread and base or Eurocone adaptor connections.

### R180FR

#### BRASS FINISH

PRODUCT CODE	SIZE	□	⊞
R180RY048	3/8" x 18	50	500
R180RY049	3/8" x 3/4" Eurocone	25	250
R180RY055	1/2" x 16	50	500
R180RY056	1/2" x 18	50	500
R180RY057	1/2" x 3/4" Eurocone	50	500
R180RY060	3/4" x 16	25	250
R180RY061	3/4" x 18	25	250
R180RY063	3/4" x 22	25	250
R180RY068	1" x 28	10	100



#### CHROME PLATED

PRODUCT CODE	SIZE	□	⊞
R180RX055	1/2" x 16	50	500
R180RX056	1/2" x 18	50	500

Straight fitting, female thread and base or Eurocone adaptor connections.

## R560R

### BRASS FINISH

PRODUCT CODE	SIZE		
R560RY007	base 16	25	250
R560RY008	base 18	25	250
R560RY009	base 22	20	200
R560RY010	base 28	10	100

### CHROME PLATED

PRODUCT CODE	SIZE		
R560RX007	base 16	25	250
R560RX008	base 18	25	250

Straight fitting, base adaptor connections.



## R561R

### BRASS FINISH

PRODUCT CODE	SIZE		
R561RY007	base 16	25	250
R561RY008	base 18	25	250
R561RY009	base 22	10	100
R561RY010	base 28	10	100

### CHROME PLATED

PRODUCT CODE	SIZE		
R561RX007	base 16	25	250
R561RX008	base 18	25	250

90° elbow fitting, base adaptor connections.



## R562R

### BRASS FINISH

PRODUCT CODE	SIZE		
R562RY015	1/2" x 16	25	250
R562RY016	1/2" x 18	25	250
R562RY021	3/4" x 18	25	250
R562RY023	3/4" x 22	10	100
R562RY027	1" x 22	10	100
R562RY028	1" x 28	10	100
R562RY034	1 1/4" x 28	10	100

### CHROME PLATED

PRODUCT CODE	SIZE		
R562RX015	1/2" x 16	25	250
R562RX016	1/2" x 18	25	250

90° elbow fitting, male thread and base adaptor connections.



## R563R

### BRASS FINISH

PRODUCT CODE	SIZE		
R563RY015	1/2" x 16	25	250
R563RY016	1/2" x 18	25	250
R563RY021	3/4" x 18	25	250
R563RY023	3/4" x 22	10	100
R563RY028	1" x 28	10	100

### CHROME PLATED

PRODUCT CODE	SIZE		
R563RX015	1/2" x 16	25	250
R563RX016	1/2" x 18	25	250

90° elbow fitting, female thread and base adaptor connections.



## R564R

### BRASS FINISH

PRODUCT CODE	SIZE		
R564RY007	base 16	25	250
R564RY008	base 18	25	250
R564RY009	base 22	10	100
R564RY010	base 28	5	50

### CHROME PLATED

PRODUCT CODE	SIZE		
R564RX007	base 16	25	250
R564RX008	base 18	25	250

Tee fitting, base adaptor connections.



## R568R

### BRASS FINISH

PRODUCT CODE	SIZE		
R568RY015	16 x 1/2" x 16	25	250
R568RY016	18 x 1/2" x 18	25	250
R568RY021	18 x 3/4" x 18	10	100
R568RY023	22 x 3/4" x 22	10	100
R568RY028	28 x 1" x 28	5	50

Tee fitting, male thread and base adaptor connections.



CERTIFICATIONS AND SYMBOLS



## R569R

### BRASS FINISH

PRODUCT CODE	SIZE		
R569RY015	16 x 1/2" x 16	25	250
R569RY016	18 x 1/2" x 18	25	250
R569RY021	18 x 3/4" x 18	10	100
R569RY023	22 x 3/4" x 22	10	100
R569RY028	28 x 1" x 28	5	50

Tee fitting, female thread and base adaptor connections.



CERTIFICATIONS AND SYMBOLS



## R570R

### BRASS FINISH

PRODUCT CODE	SIZE		
R570RY015	16 x 16 x 1/2"	25	250
R570RY016	18 x 18 x 1/2"	25	250
R570RY021	18 x 18 x 3/4"	10	100
R570RY023	22 x 22 x 3/4"	10	100

Tee fitting, male thread and base adaptor connections.



CERTIFICATIONS AND SYMBOLS



## R571R

### BRASS FINISH

PRODUCT CODE	SIZE		
R571RY015	16 x 16 x 1/2"	25	250
R571RY016	18 x 18 x 1/2"	20	200
R571RY021	18 x 18 x 3/4"	10	100

Tee fitting, female thread and base adaptor connections.



CERTIFICATIONS AND SYMBOLS



## R572R

### BRASS FINISH

PRODUCT CODE	SIZE	□	⊞
R572RY002	1/2" x 16	10	100
R572RY003	1/2" x 18	10	100

### CHROME PLATED

PRODUCT CODE	SIZE	□	⊞
R572RX002	1/2" x 16	10	100

90° elbow fitting with wall support, female thread and base adaptor connections.



## R573D

PRODUCT CODE	SIZE	□	⊞
R573DY002	1/2" x 16	5	50
R573DY003	1/2" x 18	5	50

Angle fitting for domestic water systems, to be embedded just beneath the wall, with connection for copper, plastic or multilayer pipe. Plastic protection for the fitting. Piping connection with base 16 or base 18 adaptors.



## R573D-1

PRODUCT CODE	SIZE	□	⊞
R573DY102	1/2" x 16	5	50

Angled fitting for domestic water systems, to be embedded just beneath the wall, with connection for copper, plastic or multilayer pipe. Plastic protection for the fitting. To be use together with R541N copper pipe. Piping connection with base 16 18 adaptors.



## R573R

PRODUCT CODE	SIZE	□	⊞
R573RY002	1/2" x 16	5	50

Angled fitting for domestic water systems, to be embedded just beneath the wall, with connection for copper, plastic or multilayer pipe. Plastic protection for the fitting. Piping connection with base 16 adaptors.



## R544

PRODUCT CODE	SIZE	□	⊞
R544Y002	1/2" x 16	5	30
R544Y003	1/2" x 18	5	30

Angle fitting for domestic water systems, to be embedded just beneath the wall, with double connection for copper, plastic or multilayer pipe. Plastic protection for the fitting. Piping connection with base 16 or base 18 adaptors.



## ➤ Fittings for multilayer and plastic pipes

### R187M

PRODUCT CODE	SIZE	□	⊞
R187MX048	1/2" x (16 x 2)	10	100
R187MX046	1/2" x (16 x 2,2)	10	100
R187MX057	1/2" x (18 x 2)	25	150
R187MX062	1/2" x (20 x 2)	10	100
R187MX061	1/2" x (20 x 2,5)	10	100
R187MX082	3/4" x (16 x 2)	10	100
R187MX089	3/4" x (18 x 2)	10	100
R187MX096	3/4" x (20 x 2)	10	100
R187MX105	3/4" x (26 x 3)	10	100
R187MX115	1" x (26 x 3)	10	100
R187MX126	1" x (32 x 3)	5	50
R187MX130	1 1/4" x (32 x 3)	5	50

Straight fitting, chrome plated brass, male thread and plastic or multilayer pipes connections. For plumbing systems.



### R187F

PRODUCT CODE	SIZE	□	⊞
R187FX048	1/2" x (16 x 2)	10	100
R187FX046	1/2" x (16 x 2,2)	10	100
R187FX052	1/2" x (18 x 2)	10	100
R187FX062	1/2" x (20 x 2)	10	100
R187FX061	1/2" x (20 x 2,5)	10	100
R187FX082	3/4" x (16 x 2)	25	250
R187FX092	3/4" x (18 x 2)	25	150
R187FX096	3/4" x (20 x 2)	10	100
R187FX105	3/4" x (26 x 3)	10	100
R187FX115	1" x (26 x 3)	10	100
R187FX126	1" x (32 x 3)	10	100

Straight fitting, chrome plated brass, female thread and plastic or multilayer pipes connections. For plumbing systems.



## R186M

PRODUCT CODE	SIZE	□	⊞
R186MY046	1/2" x (16 x 2,2)	10	100
R186MY048	1/2" x (16 x 2)	25	150
R186MY060	1/2" x (20 x 2,8)	10	100
R186MY064	1/2" x (20 x 1,9)	10	100
R186MY102	3/4" x (25 x 3,5)	10	100
R186MY104	3/4" x (25 x 2,3)	10	100

Straight fitting, brass finish, male thread and plastic or multilayer pipes connections. For plumbing systems.

## R560AM

PRODUCT CODE	SIZE	□	⊞
R560MX048	16 x 2	10	100
R560MX052	18 x 2	10	100
R560MX057	20 x 2	10	100
R560MX062	26 x 3	5	50
R560MX126	32 x 3	5	50

Straight fitting, chrome plated brass, plastic or multilayer pipes connections. For plumbing systems.

## R561AM

PRODUCT CODE	SIZE	□	⊞
R561MX048	16 x 2	10	100
R561MX052	18 x 2	10	100
R561MX057	20 x 2	10	100
R561MX062	26 x 3	5	50
R561MX126	32 x 3	5	25

90° elbow fitting, chrome plated brass, plastic or multilayer pipes connections. For plumbing systems.

## R562AM

PRODUCT CODE	SIZE	□	⊞
R562MX048	1/2" x (16 x 2)	10	100
R562MX052	1/2" x (18 x 2)	10	100
R562MX057	1/2" x (20 x 2)	10	100
R562MX060	3/4" x (16 x 2)	10	100
R562MX061	3/4" x (20 x 2)	10	100
R562MX062	3/4" x (26 x 3)	10	100
R562MX120	1" x (26 x 3)	5	50
R562MX126	1" x (32 x 3)	5	50

90° elbow fitting, chrome plated brass, male thread and plastic or multilayer pipes connections. For plumbing systems.

## R572AM

PRODUCT CODE	SIZE	□	⊞
R572MX048	1/2" x (16 x 2)	10	100
R572MX057	1/2" x (20 x 2)	10	100

90° elbow with wall support, chrome plated brass, female thread and plastic or multilayer pipes connections. For plumbing systems.



## R563AM

PRODUCT CODE	SIZE	□	⊞
R563MX048	1/2" x (16 x 2)	10	100
R563MX052	1/2" x (18 x 2)	10	100
R563MX057	1/2" x (20 x 2)	10	100
R563MX060	3/4" x (16 x 2)	10	100
R563MX061	3/4" x (20 x 2)	10	100
R563MX062	3/4" x (26 x 3)	10	100
R563MX120	1" x (26 x 3)	5	50
R563MX126	1" x (32 x 3)	5	50

90° elbow fitting, chrome plated brass, female thread and plastic or multilayer pipes connections. For plumbing systems.



## R564AM

PRODUCT CODE	SIZE	□	⊞
R564MX048	16 x 2	5	50
R564MX052	18 x 2	5	50
R564MX057	20 x 2	10	100
R564MX062	26 x 3	5	50
R564MX126	32 x 3	5	25

Tee fitting, chrome plated brass, plastic or multilayer pipes connections. For plumbing systems.



## R566AM

PRODUCT CODE	SIZE	□	⊞
R566MX053	(20 x 2) x (16 x 2)	10	100
R566MX060	(26 x 3) x (20 x 2)	5	50
R566MX076	(32 x 3) x (26 x 3)	5	50

Reducer straight fitting, chrome plated brass, plastic or multilayer pipes connections. For plumbing systems.



## R568AM

PRODUCT CODE	SIZE	□	⊞
R568MX048	(16 x 2) x 1/2" x (16 x 2)	10	100
R568MX057	(20 x 2) x 1/2" x (20 x 2)	10	100
R568MX061	(20 x 2) x 3/4" x (20 x 2)	5	50
R568MX062	(26 x 3) x 3/4" x (26 x 3)	5	50
R568MX126	(32 x 3) x 1" x (32 x 3)	5	25

Tee fitting, chrome plated brass, male thread and plastic or multilayer pipes connections. For plumbing systems.



### CERTIFICATIONS AND SYMBOLS



## R569AM

PRODUCT CODE	SIZE	□	⊞
R569MX048	(16 x 2) x 1/2" x (16 x 2)	10	100
R569MX052	(18 x 2) x 1/2" x (18 x 2)	10	100
R569MX057	(20 x 2) x 1/2" x (20 x 2)	10	100
R569MX061	(20 x 2) x 3/4" x (20 x 2)	5	50
R569MX062	(26 x 3) x 3/4" x (26 x 3)	5	50
R569MX120	(26 x 3) x 1" x (26 x 3)	5	50
R569MX126	(32 x 3) x 1" x (32 x 3)	5	25

Tee fitting, chrome plated brass, female thread and plastic or multilayer pipes connections. For plumbing systems.





### CERTIFICATIONS AND SYMBOLS



## Fittings for copper pipes

### R180M



PRODUCT CODE	SIZE		
R180MY101	3/8" x 6	25	250
R180MY102	3/8" x 8	25	250
R180MY103	3/8" x 10	25	250
R180MY104	3/8" x 12	25	250
R180MY105	3/8" x 14	25	250
R180MY106	3/8" x 15	25	250
R180MY107	3/8" x 16	25	250
R180MY110	1/2" x 8	25	250
R180MY111	1/2" x 10	25	250
R180MY112	1/2" x 12	25	250
R180MY113	1/2" x 14	25	250
R180MY114	1/2" x 15	25	250
R180MY115	1/2" x 16	25	250
R180MY116	1/2" x 18	25	250
R180MY120	3/4" x 16	25	250
R180MY121	3/4" x 18	25	250
R180MY122	3/4" x 20	10	100
R180MY123	3/4" x 22	10	100
R180MY128	1" x 28	10	100





Straight fitting, brass finish, male thread and copper pipe connections.

Supplied with double O-Ring:

- black color for plumbing systems in accordance with EN 681-1 standard;
- yellow color for gas and liquid hydrocarbons systems in accordance with EN 549-EN 682 standard.

### R560





PRODUCT CODE	SIZE		
R560Y002	Ø8	25	250
R560Y003	Ø10	25	250
R560Y004	Ø12	20	200
R560Y005	Ø14	20	200
R560Y006	Ø15	20	200
R560Y007	Ø16	20	200
R560Y008	Ø18	25	250
R560Y009	Ø22	10	100
R560Y010	Ø28	10	100
R560Y011	Ø35	5	50



Straight fitting, brass finish, copper pipe connections. For plumbing systems.

### R561





PRODUCT CODE	SIZE		
R561Y003	Ø10	25	250
R561Y004	Ø12	20	200
R561Y005	Ø14	20	200
R561Y006	Ø15	20	200
R561Y007	Ø16	20	200
R561Y008	Ø18	10	100
R561Y009	Ø22	10	100
R561Y010	Ø28	10	50
R561Y011	Ø35	5	50



90° elbow fitting, brass finish, copper pipe connections. For plumbing systems.

### R180F



PRODUCT CODE	SIZE		
R180FY102	3/8" x 8	25	250
R180FY103	3/8" x 10	25	250
R180FY104	3/8" x 12	25	250
R180FY105	3/8" x 14	25	250
R180FY111	1/2" x 10	25	250
R180FY112	1/2" x 12	25	250
R180FY113	1/2" x 14	25	250
R180FY114	1/2" x 15	25	250
R180FY115	1/2" x 16	25	250
R180FY116	1/2" x 18	25	250
R180FY120	3/4" x 16	25	250
R180FY121	3/4" x 18	25	250
R180FY123	3/4" x 22	10	100
R180FY128	1" x 28	10	100
R180FY135	1 1/4" x 35	5	50





Straight fitting, brass finish, female thread and copper pipe connections.

Supplied with double O-Ring:

- black color for plumbing systems in accordance with EN 681-1 standard;
- yellow color for gas and liquid hydrocarbons systems in accordance with EN 549-EN 682 standard.

### R562



PRODUCT CODE	SIZE		
R562Y102	3/8" x 8	25	250
R562Y103	3/8" x 10	25	250
R562Y104	3/8" x 12	25	250
R562Y105	3/8" x 14	25	250
R562Y111	1/2" x 10	25	250
R562Y112	1/2" x 12	25	250
R562Y113	1/2" x 14	25	250
R562Y114	1/2" x 15	25	250
R562Y115	1/2" x 16	25	250
R562Y116	1/2" x 18	10	100
R562Y121	3/4" x 18	10	100
R562Y123	3/4" x 22	10	100
R562Y128	1" x 28	10	100
R562Y135	1 1/4" x 35	5	50



90° elbow fitting, brass finish, male thread and copper pipe connections.

Supplied with double O-Ring:

- black color for plumbing systems in accordance with EN 681-1 standard;
- yellow color for gas and liquid hydrocarbons systems in accordance with EN 549-EN 682 standard.

## R563



PRODUCT CODE	SIZE	□	⊞
R563Y103	3/8" x 10	25	250
R563Y104	3/8" x 12	25	250
R563Y105	3/8" x 14	25	250
R563Y111	1/2" x 10	25	250
R563Y112	1/2" x 12	25	250
R563Y113	1/2" x 14	25	250
R563Y114	1/2" x 15	25	250
R563Y115	1/2" x 16	25	250
R563Y116	1/2" x 18	10	100
R563Y121	3/4" x 18	10	100
R563Y123	3/4" x 22	10	100
R563Y128	1" x 28	5	50
R563Y135	1 1/4" x 35	5	50



90° elbow fitting, brass finish, female thread and copper pipe connections.

Supplied with double O-Ring:

- black color for plumbing systems in accordance with EN 681-1 standard;
- yellow color for gas and liquid hydrocarbons systems in accordance with EN 549-EN 682 standard.

## R564



PRODUCT CODE	SIZE	□	⊞
R564Y002	Ø8	25	250
R564Y003	Ø10	25	250
R564Y004	Ø12	10	100
R564Y005	Ø14	10	100
R564Y006	Ø15	10	100
R564Y007	Ø16	10	100
R564Y008	Ø18	10	100
R564Y009	Ø22	10	100
R564Y010	Ø28	5	50
R564Y011	Ø35	5	25



Tee fitting, brass finish, copper pipe connections. For plumbing systems.

## R568



PRODUCT CODE	SIZE	□	⊞
R568Y103	10 x 3/8" x 10	25	250
R568Y104	12 x 3/8" x 12	25	250
R568Y105	14 x 3/8" x 14	25	250
R568Y112	12 x 1/2" x 12	10	100
R568Y113	14 x 1/2" x 14	10	100
R568Y115	16 x 1/2" x 16	10	100
R568Y116	18 x 1/2" x 18	10	100
R568Y121	18 x 3/4" x 18	10	100
R568Y123	22 x 3/4" x 22	10	100
R568Y128	28 x 1" x 28	5	50
R568Y135	35 x 1 1/4" x 35	5	50



CERTIFICATIONS AND SYMBOLS



Tee fitting, brass finish, male thread and copper pipe connections.

Supplied with double O-Ring:

- black color for plumbing systems in accordance with EN 681-1 standard;
- yellow color for gas and liquid hydrocarbons systems in accordance with EN 549-EN 682 standard.

## R569



PRODUCT CODE	SIZE	□	⊞
R569Y103	10 x 3/8" x 10	25	250
R569Y104	12 x 3/8" x 12	25	250
R569Y105	14 x 3/8" x 14	25	250
R569Y112	12 x 1/2" x 12	10	100
R569Y113	14 x 1/2" x 14	10	100
R569Y114	15 x 1/2" x 15	10	100
R569Y115	16 x 1/2" x 16	10	100
R569Y116	18 x 1/2" x 18	10	100
R569Y121	18 x 3/4" x 18	10	100
R569Y123	22 x 3/4" x 22	10	100
R569Y128	28 x 1" x 28	5	50



CERTIFICATIONS AND SYMBOLS



Tee fitting, brass finish, female thread and copper pipe connections.

Supplied with double O-Ring:

- black color for plumbing systems in accordance with EN 681-1 standard;
- yellow color for gas and liquid hydrocarbons systems in accordance with EN 549-EN 682 standard.

## R572



PRODUCT CODE	SIZE	□	⊞
R572Y112	1/2" x 12	10	100
R572Y113	1/2" x 14	10	100
R572Y114	1/2" x 15	10	100
R572Y115	1/2" x 16	10	100
R572Y116	1/2" x 18	10	100



90° elbow fitting with wall support, brass finish, female thread and copper pipe connections.

Supplied with double O-Ring:

- black color for plumbing systems in accordance with EN 681-1 standard;
- yellow color for gas and liquid hydrocarbons systems in accordance with EN 549-EN 682 standard.



## 3 pieces fittings, nipples, other fittings

### R18



#### BRASS FINISH

PRODUCT CODE	SIZE	☐	📦
R18Y002	3/8"	20	200
R18Y003	1/2"	10	100
R18Y004	3/4"	10	100
R18Y005	1"	5	50
R18Y006	1 1/4"	5	50
R18Y007	1 1/2"	2	20
R18Y008	2"	2	10
R18Y063	1/2" - CIG UNI 7129	10	100
R18Y064	3/4" - CIG UNI 7129	10	100
R18Y065	1" - CIG UNI 7129	5	50



#### CHROME PLATED

PRODUCT CODE	SIZE	☐	📦
R18X002	3/8"	20	200
R18X003	1/2"	10	100
R18X004	3/4"	10	100
R18X005	1"	5	50
R18X006	1 1/4"	5	50
R18X007	1 1/2"	2	20
R18X008	2"	2	10

Straight fitting in 3 pieces, with female-male with tail piece threaded connections. For plumbing and gas systems.

### R19



#### BRASS FINISH

PRODUCT CODE	SIZE	☐	📦
R19Y002	3/8"	10	100
R19Y003	1/2"	10	100
R19Y004	3/4"	5	50
R19Y005	1"	5	50
R19Y006	1 1/4"	2	20
R19Y007	1 1/2"	2	20
R19Y008	2"	2	12
R19Y063	1/2" - CIG UNI 7129	10	100
R19Y064	3/4" - CIG UNI 7129	5	50
R19Y065	1" - CIG UNI 7129	5	50



#### CHROME PLATED

PRODUCT CODE	SIZE	☐	📦
R19X002	3/8"	10	100
R19X003	1/2"	10	100
R19X004	3/4"	5	50
R19X005	1"	5	50
R19X006	1 1/4"	2	20
R19X007	1 1/2"	2	20
R19X008	2"	2	12

90° elbow fitting in 3 pieces, with female-male with tail piece threaded connections. For plumbing and gas systems.

### R18SP



PRODUCT CODE	SIZE	☐	📦
R18SPY005	1"	5	50
R18SPY006	1 1/4"	5	25
R18SPY007	1 1/2"	2	20
R18SPY008	2"	2	10



Straight fitting in 3 pieces, with flat seat female-male with tail piece threaded connections. For plumbing systems.

### R189

PRODUCT CODE	SIZE	☐	📦
R189Y002	3/8"	50	500
R189Y003	1/2"	50	500
R189Y004	3/4"	25	250
R189Y005	1"	20	200
R189Y006	1 1/4"	10	100
R189Y007	1 1/2"	5	50



Nipple with male-male threaded connections..

### R20



PRODUCT CODE	SIZE	☐	📦
R20Y004	3/4" x 3/4"	10	100

Straight fitting in 3 pieces, with male-male with tail piece threaded connections. For plumbing systems.



### R189V

PRODUCT CODE	SIZE	☐	📦
R189VY004	3/4"	1	25

Nipple with check valve, with male-male threaded connections.



### R37



#### CHROME PLATED

PRODUCT CODE	SIZE	☐	📦
R37X003	1/2" x 3/4"	25	250
R37X004	3/4" x 1"	10	100

#### BRASS FINISHING

PRODUCT CODE	SIZE	☐	📦
R37Y003	1/2" x 3/4"	25	250
R37Y004	3/4" x 1"	10	100



Fitting for the meter connection.

### R189D

PRODUCT CODE	SIZE	☐	📦
R189DY003	1/2"	25	250
R189DY004	3/4"	25	250
R189DY005	1"	20	200
R189DY006	1 1/4"	10	100

Nipple with male-male threaded connections with self-sealing.



## R93

### BRASS FINISH

PRODUCT CODE	SIZE	☐	⊞
R93Y003	3/4" M x 1/2" F	20	200
R93Y005	1/2" M x 1/4" F	25	500
R93Y006	1/2" M x 3/8" F	25	250
R93Y007	3/4" M x 3/8" F	20	200
R93Y010	1" M x 1/2" F	20	200
R93Y011	1" M x 3/4" F	25	250
R93Y012	1 1/4" M x 1/2" F	10	100
R93Y013	1 1/4" M x 3/4" F	10	100
R93Y014	1 1/4" M x 1" F	20	200
R93Y017	1 1/2" M x 1" F	10	100
R93Y018	1 1/2" M x 1 1/4" F	5	50
R93Y019	2" M x 1 1/2" F	5	50
R93Y020	2" M x 1 1/4" F	5	50

### CHROME PLATED

PRODUCT CODE	SIZE	☐	⊞
R93X003	3/4" M x 1/2" F	20	200
R93X006	1/2" M x 3/8" F	25	250
R93X011	1" M x 3/4" F	25	250
R93X014	1 1/4" M x 1" F	20	200

Reducer fitting male-female threaded.



## R592D

### BRASS FINISH

PRODUCT CODE	SIZE	☐	⊞
R592DY004	3/4"	50	500
R592DY005	1"	25	250
R592DY006	1 1/4"	20	200

### CHROME PLATED

PRODUCT CODE	SIZE	☐	⊞
R592DX005	1"	25	250
R592DX006	1 1/4"	20	200
R592DX007	1 1/2"	5	50

Plug for manifolds, with self-sealing.



## R593D

PRODUCT CODE	SIZE	☐	⊞
R593DY001	3/4" M x 3/8" F	50	500
R593DY002	3/4" M x 1/2" F	25	250
R593DY003	1" M x 3/8" F	25	250
R593DY004	1" M x 1/2" F	25	250
R593DY005	1" M x 3/4" F	25	250
R593DY006	1 1/4" M x 1/2" F	20	200
R593DY007	1 1/4" M x 3/4" F	10	100
R593DY008	1 1/4" M x 1" F	10	100

Reducer male-female threaded, with self-sealing.



## R594

PRODUCT CODE	SIZE	☐	⊞
R594Y001	1/2" for 12 mm	50	500
R594Y002	24/19 for 16 mm	25	250
R594Y003	26/19 for 18 mm	25	250
R594Y004	1"	25	250
R594Y005	3/4"	50	500

Cap for manifolds.



## R564P

PRODUCT CODE	SIZE	☐	⊞
R564PY004	3/4"	1	25
R564PY005	1"	1	10

Tee fitting, flat seat male thread connections.



## R178R

### BRASS FINISH

PRODUCT CODE	SIZE	☐	⊞
R178RY011	16 x 18	25	250
R178RY012	18 x 22	25	250
R178RY013	18 x 3/4" Eurocone	25	250

### CHROME PLATED

PRODUCT CODE	SIZE	☐	⊞
R178RX003	16 x 1/2"	50	250
R178RX011	16 x 18	25	250
R178RX012	18 x 22	25	250
R178RX013	18 x 3/4"	25	250

Straight fitting, male-female base adaptor or Eurocone connections.



## R567

PRODUCT CODE	SIZE	☐	⊞
R567Y016	18 x 1/2"	50	500

Straight fitting, female thread connection and pipe shape for base adaptor.



## R177

PRODUCT CODE	SIZE	☐	⊞
R177X009	16 x 3/8"	25	250
R177X010	16 x 1/2"	25	250

Straight fitting, chrome plated brass, female thread and base adaptor connections.



## T177

PRODUCT CODE	SIZE	☐	⊞
T177X010	1/2" x 16	1	25

Straight fitting, polish chrome plated brass, female thread and base adaptor connections.



# ➔ Giacomini system

## H100



PRODUCT CODE	SIZE	□	⊞
H100Y002	20	100	-
H100Y003	25	100	-
H100Y004	32	60	-
H100Y005	40	40	-
H100Y006	50	20	-
H100Y007	63	16	-
H100Y008	75	12	-
H100Y009	90	8	-
H100Y011	110	4	-



PP-R pipe 4 m length. For plumbing systems.

## H102



PRODUCT CODE	SIZE	□	⊞
H102Y022	20	10	500
H102Y033	25	5	250
H102Y044	32	5	200
H102Y055	40	1	50
H102Y066	50	1	50
H102Y077	63	1	50
H102Y088	75	1	-
H102Y099	90	1	-
H102Y110	110	1	-



Straight fusion sleeve. For plumbing systems.

## H103



PRODUCT CODE	SIZE	□	⊞
H103Y032	25 x 20	10	500
H103Y042	32 x 20	5	250
H103Y043	32 x 25	5	200
H103Y054	40 x 32	5	50
H103Y064	50 x 32	1	50
H103Y065	50 x 40	1	50
H103Y074	63 x 32	1	40
H103Y075	63 x 40	1	40
H103Y076	63 x 50	1	40
H103Y087	75 x 63	1	36
H103Y098	90 x 75	1	24
H103Y119	110 x 90	1	20



Straight fitting, male and female fusion connections. For plumbing systems.

## H103T



PRODUCT CODE	SIZE	□	⊞
H103TY057	75 x 20	10	500
H103TY058	75 x 25	10	500
H103TY059	75 x 32	5	200
H103TY060	75 x 40	1	50



Straight fitting, female and saddle male fusion connections. For plumbing systems.

## H107



PRODUCT CODE	SIZE	□	⊞
H107Y023	20 x 1/2"	10	100
H107Y024	20 x 3/4"	10	100
H107Y033	25 x 1/2"	10	100
H107Y034	25 x 3/4"	5	100
H107Y045	32 x 1"	2	50
H107Y047	50 x 1"	1	25
H107Y057	50 x 1 1/4"	1	25
H107Y078	63 x 2"	1	20
H107Y156	40 x 1 1/4"	1	25
H107Y167	50 x 1 1/2"	1	25



Straight fitting, male thread and female fusion connections. For plumbing systems.

## H109



PRODUCT CODE	SIZE	□	⊞
H109Y023	20 x 1/2"	10	100
H109Y024	20 x 3/4"	10	100
H109Y033	25 x 1/2"	10	100
H109Y034	25 x 3/4"	5	100
H109Y045	32 x 1"	2	50
H109Y156	40 x 1 1/4"	1	25
H109Y047	50 x 1"	1	25
H109Y067	50 x 1 1/2"	1	40
H109Y078	63 x 2"	1	25



Straight fitting, female thread and female fusion connections. For plumbing systems.

## H109T



PRODUCT CODE	SIZE	□	⊞
H109TY005	63-25 x 1/2"F	10	100
H109TY007	75-25 x 1/2"F	10	100
H109TY008	75-25 x 3/4"F	5	100
H109TY009	75-32 x 1"F	5	50



Straight fitting, female thread and saddle male fusion connections. For plumbing systems.

## H115



PRODUCT CODE	SIZE	□	⊞
H115Y024	20 x 3/4"	5	100
H115Y035	25 x 1"	5	100
H115Y046	32 x 1 1/4"	2	20



Straight fitting, 3 pieces, brass nut female fusion connections. For plumbing systems.

## H120

PRODUCT CODE	SIZE	□	⊞
H120Y002	20	10	100
H120Y003	25	5	50
H120Y004	32	5	50

PP-R pipe, cross-over, 380 mm length. For plumbing systems.



## H129

PRODUCT CODE	SIZE	□	⊞
H129Y023	20 x 1/2"	10	100
H129Y033	25 x 1/2"	10	100
H129Y034	25 x 3/4"	5	50
H129Y045	32 x 1"	2	50

90° elbow fitting, female thread and female fusion connections. For plumbing systems.



## H121

PRODUCT CODE	SIZE	□	⊞
H121Y002	20	10	100

PP-R pipe, uneven cross-over, 380 mm length. For plumbing systems.



## H130

PRODUCT CODE	SIZE	□	⊞
H130Y023	20 x 1/2"	10	100

90° elbow fitting, female thread and male fusion connections. For plumbing systems.



## H122

PRODUCT CODE	SIZE	□	⊞
H122Y022	20	10	500
H122Y033	25	5	250
H122Y044	32	5	100
H122Y055	40	1	50
H122Y066	50	-	-
H122Y077	63	1	40
H122Y088	75	1	12
H122Y099	90	1	18
H122Y110	110	1	4

90° elbow fitting, female fusion connections. For plumbing systems.



## H139

PRODUCT CODE	SIZE	□	⊞
H139Y023	20 x 1/2"	10	100
H139Y033	25 x 1/2"	5	50
H139Y034	25 x 3/4"	5	50

90° elbow fitting with wall support, female thread and female fusion connections. For plumbing systems.



## H124

PRODUCT CODE	SIZE	□	⊞
H124Y022	20	10	250
H124Y033	25	5	100
H124Y044	32	5	100

90° elbow fitting, male and female fusion connections. For plumbing systems.



## H144

PRODUCT CODE	SIZE	□	⊞
H144Y022	20	10	500
H144Y033	25	5	250
H144Y044	32	5	100
H144Y055	40	1	50
H144Y066	50	1	80
H144Y077	63	1	24

45° elbow fitting, female fusion connections. For plumbing systems.



## H127

PRODUCT CODE	SIZE	□	⊞
H127Y023	20 x 1/2"	10	100
H127Y033	25 x 1/2"	10	100
H127Y034	25 x 3/4"	5	50
H127Y045	32 x 1"	2	50

90° elbow fitting, male thread and female fusion connections. For plumbing systems.



## H150

PRODUCT CODE	SIZE	□	⊞
H150Y222	20	10	250
H150Y333	25	5	200
H150Y444	32	5	100
H150Y555	40	1	50
H150Y666	50	1	30
H150Y777	63	1	20
H150Y888	75	1	12
H150Y990	90	1	6
H150Y991	110	1	5

Tee fitting, female fusion connections. For plumbing systems.



## H151

PRODUCT CODE	SIZE	☐	⊠
H151Y322	25 x 20 x 20	10	200
H151Y332	25 x 25 x 20	10	200
H151Y323	25 x 20 x 25	10	200
H151Y424	32 x 20 x 32	5	100
H151Y434	32 x 25 x 32	5	100
H151Y545	40 x 32 x 40	1	25
H151Y636	50 x 25 x 50	1	40
H151Y646	50 x 32 x 50	1	60
H151Y656	50 x 40 x 50	1	30
H151Y737	63 x 25 x 63	1	20
H151Y747	63 x 32 x 63	1	20
H151Y757	63 x 40 x 63	1	20
H151Y767	63 x 50 x 63	1	20
H151Y878	75 x 63 x 75	1	5
H151Y879	90 x 75 x 90	1	6
H151Y880	110 x 90 x 110	1	4

Reducer Tee fitting, female fusion connections. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## H153

PRODUCT CODE	SIZE	☐	⊠
H153Y232	20 x 1/2" x 20	10	100
H153Y333	25 x 1/2" x 25	10	100
H153Y343	25 x 3/4" x 25	5	50
H153Y454	32 x 1" x 32	2	50

Tee fitting, male thread and female fusion connections. For plumbing systems.



## H154

PRODUCT CODE	SIZE	☐	⊠
H154Y232	20 x 1/2" x 20	10	100
H154Y333	25 x 1/2" x 25	10	100
H154Y343	25 x 3/4" x 25	5	50
H154Y454	32 x 1" x 32	2	50

Tee fitting, female thread and female fusion connections. For plumbing systems.



## H163

PRODUCT CODE	SIZE	☐	⊠
H163Y023	1/2"M - Red	10	100
H163Y033	1/2"M - Blue	10	100

Plastic plug, for system pressure test. Max. working pressure: 10 bar.



## H165

PRODUCT CODE	SIZE	☐	⊠
H165Y002	20	10	250
H165Y003	25	5	200
H165Y004	32	5	100
H165Y005	40	5	50
H165Y006	50	1	50
H165Y007	63	1	60

End cap, female fusion connections. For plumbing systems.



## H166

PRODUCT CODE	SIZE	☐	⊠
H166Y022	20	5	100
H166Y033	25	5	50
H166Y044	32	5	50
H166Y055	40	5	50
H166Y066	50	1	30
H166Y077	63	1	30
H166Y088	75	1	30
H166Y099	90	1	10
H166Y100	110	1	5

Electrofusion sockets. For plumbing systems.



## H173

PRODUCT CODE	SIZE	☐	⊠
H173Y022	20	1	50
H173Y033	25	1	40

Shut-off cock with female fusion connections and PP-R protective cap. For plumbing systems.



## H173A

PRODUCT CODE	SIZE	☐	⊠
H173AX023	20	1	50
H173AX034	25	1	40

Shut-off cock with female fusion connections and PP-R protective cap, chrome plated cover plate and cap. For plumbing systems.



## H173B

PRODUCT CODE	SIZE	☐	⊠
H173BX024	20	1	50
H173BX035	25	1	40

Shut-off cock with female fusion connections, PP-R protective cap and stem extension. With chrome plated cover plate and handwheel. Equipped with red and blue marker for handwheel. For plumbing systems.



## H200

PRODUCT CODE	SIZE	☐	⊠
H200Y001	20-25-32	1	-

Polywelder with box and accessories.



## H202

PRODUCT CODE	SIZE	☐	☒
<b>H202Y001</b>	-	1	-

Repair holes die.



## H180

PRODUCT CODE	SIZE	☐	☒
<b>H180Y004</b>	63 - Lenght 800 mm	1	-

Water hammer absorber, 3/4" female thread.



## H203

PRODUCT CODE	SIZE	☐	☒
<b>H203Y001</b>	-	20	1.000

Set of N°20 PP-R plugs.



## H174A

PRODUCT CODE	SIZE	☐	☒
<b>H174AX001</b>	-	1	-

Chrome plated cover plate and cap for H173 shut-off cock.



## H205

PRODUCT CODE	SIZE	☐	☒
<b>H205Y001</b>	-	1	-

Welding machine for H166.



## H174B

PRODUCT CODE	SIZE	☐	☒
<b>H174BX001</b>	-	1	-

Chrome plated cover plate, cap, stem extension and handwheel for H173 shut-off cock.



## H174C

PRODUCT CODE	SIZE	☐	☒
<b>H174CY001</b>	-	1	-

Nipple and stem extension for H173 shut-off cock.



## ➤ Accessories and spare parts

### R541N

PRODUCT CODE	SIZE	☐	☒
<b>R541NX001</b>	1/2" x 16	10	100

Chrome plated cooper pipe with self-sealing connection, 120 mm lenght.



### R577

PRODUCT CODE	SIZE	☐	☒
<b>R577Y001</b>	1/2"	5	50

Plastic cap for installation and pressure test of R573R fittings.



### R577D

PRODUCT CODE	SIZE	☐	☒
<b>R577DY001</b>	1/2"	10	100

Plastic cap for installation and pressure test of R573D, R573D-1 fittings.



### R576

PRODUCT CODE	SIZE	☐	☒
<b>R576X001</b>	-	10	200

Traction fitting for Giacoflex and Giacotherm pipes 12/10 - 15/10 - 16/11,6.



## R578A

PRODUCT CODE	SIZE		
<b>R578AY001</b>	-	1	100

Wall bracket to fit R573R fittings. Centre distance between fittings 150 mm.



## R578B

PRODUCT CODE	SIZE		
<b>R578BY001</b>	-	5	50

Wall bracket with adjustable connections, to fit R573R fittings. Centre distance between fittings 150 mm.



## R578C

PRODUCT CODE	SIZE		
<b>R578CY001</b>	-	1	50

Wall bracket to fit R573D, R573D-1, GX139, RM139, R573, R544 fittings.

- R578CY001: for R573D, R573D-1; adjustable centre distance between fitting 120÷200 mm.
- R578CY002: for GX139, RM139, R573, R544; centre distance between fitting 150 mm.



## R578E

PRODUCT CODE	SIZE		
<b>R578EY001</b>	-	5	50

Wall bracket to fit R573D, R573D-1 fittings; adjustable centre distance between fittings 120÷200 mm.



## R578Z

PRODUCT CODE	SIZE		
<b>R578ZY001</b>	-	1	100

Wall bracket to fit R573D, R573D-1 fittings. Centre distance between fittings 150 mm.



## R865

PRODUCT CODE	SIZE		
<b>R865Y001</b>	-	1	-

Universal unroller support for plastic pipes.



## R579

PRODUCT CODE	SIZE		
<b>R579Y001</b>	Lenght 3 m	1	-

Installation bar for domestic water fittings.



## R596

PRODUCT CODE	SIZE		
<b>R596Y001</b>	-	10	100

Fitting for clamping R573D, R573D-1 to single walls.



## R998

PRODUCT CODE	SIZE		
<b>R998Y005</b>	Red	10	100
<b>R998Y006</b>	Blue	10	100

End cap for sleeve (available in blue or red color).



## R990

PRODUCT CODE	SIZE		
<b>R990Y001</b>	Ø0=25 and 1/2"-3/4"-1"	1	-

Shear for plastic pipe, Ø16,20,25 mm and 1/2", 3/4",1".



## R990M

PRODUCT CODE	SIZE		
<b>R990MY001</b>	-	1	1

Shear for plastic pipe, Ø32 and Ø40 mm.



## H201

PRODUCT CODE	SIZE		
<b>H201Y001</b>	-	1	-

Cutter for plastic pipe, Ø32 and Ø40 mm.



## RP205

PRODUCT CODE	SIZE		
<b>RP205Y001</b>	Ø0=20	1	-

Deburring tool for Giacotherm, Giacoflex and multilayer pipes.



## RP208

PRODUCT CODE	SIZE		
RP208Y016	16 x 2	1	100
RP208Y018	18 x 2	1	50
RP208Y020	20 x 2	1	-

Steel pipe bending spring.



## RP209

PRODUCT CODE	SIZE		
RP209Y101	16 x 2 - 20 x 2 - 26 x 3 - 32 x 3	1	5
RP209Y102	40 x 3,5 - 50 x 4 - 63 x 4,5	1	5

Calibrator/deburring for multilayer pipes.



## P53

PRODUCT CODE	SIZE		
P53Y002	20	1	-
P53Y003	25	1	-
P53Y004	32	1	-
P53Y005	40	1	-
P53Y006	50	1	-
P53Y007	63	1	-

Pair of dies for H200 polywelder.



## P12H

PRODUCT CODE	SIZE		
P12HY001	1/2" for H170	1	-
P12HY003	1/2" for H173	1	-

Spare bonnet for H170, H173.



## P51RN

PRODUCT CODE	SIZE		
P51RNY000	Ø6	1	-
P51RNY001	Ø8	1	-
P51RNY002	Ø10	1	-
P51RNY003	Ø12	1	-
P51RNY004	Ø14	1	-
P51RNY005	Ø15	1	-
P51RNY006	Ø16	1	-
P51RNY007	Ø18	1	-
P51RNY008	Ø20	1	-
P51RNY009	Ø22	1	-
P51RNY010	Ø28	1	-
P51RNY011	Ø35	1	-

Black O-Ring for copper pipe, in accordance with EN 681-1 standard, for plumbing systems.



## P51RG

PRODUCT CODE	SIZE		
P51RGY001	Ø8	1	-
P51RGY002	Ø10	1	-
P51RGY003	Ø12	1	-
P51RGY004	Ø14	1	-
P51RGY005	Ø15	1	-
P51RGY006	Ø16	1	-
P51RGY007	Ø18	1	-
P51RGY008	Ø20	1	-
P51RGY009	Ø22	1	-
P51RGY010	Ø28	1	-
P51RGY011	Ø35	1	-

Yellow O-Ring for copper pipe, in accordance with EN 549-EN 682 standards, for gas and liquid hydrocarbons systems.



## P57G

PRODUCT CODE	SIZE		
P57GY014	3/4" x R37 1/2"	50	500
P57GY015	1" x R37 3/4"	50	500

Spare gasket for flat seats.



## P61R

PRODUCT CODE	SIZE		
P61RY001	Ø8	1	-
P61RY002	Ø10	1	-
P61RY003	Ø12	1	-
P61RY004	Ø14	1	-
P61RY005	Ø15	1	-
P61RY006	Ø16	1	-
P61RY007	Ø18	1	-
P61RY008	Ø22	1	-
P61RY009	Ø20	1	-
P61RY010	Ø28	1	-
P61RY011	Ø35	1	-

Ferrule for copper tube adaptors.



## R131

PRODUCT CODE	SIZE		
R131Y001	24	1	-
R131Y003	27/29	1	-
R131Y004	29/30	1	-

Special wrench for R178 and R179 adaptors.










# Giacoquest system


## WARNING - READ CAREFULLY

Giacoquest pipe maintains good flexibility and resistance to temperature nearby 0 °C. The minimum laying temperature is -10 °C. - Giacoquest tubing is approved for water distribution only and should not be used for distribution of petroleum based products such as liquid petroleum (LP) or natural gas. - Giacoquest tubing should not be exposed to or stored under direct ultraviolet light. - Do not use supports that have sharp edges which could damage the tubing. - The installation must be carried out by skilled, qualified personnel.

- DOMESTIC WATER SYSTEMS
- RADIANT HEATING/COOLING SYSTEMS
- RADIATOR HEATING SYSTEMS














**VIDEO TUTORIAL**

**PIPE CUT.** Square-cut the pipe perpendicularly to its axis, using the R990 cutter and taking care not to deform it.









**RING INSERTION.** Insert the special copper crimp ring onto the pipe.

**FITTING POSITIONING.** Insert the fitting into the pipe up to the fitting shoulder. Position the crimp ring 3-6 mm from the end of the pipe. Slightly tighten the ring with a pincers in order to avoid its displacements.



**CRIMP.** Position the crimping tool so that the ring will be completely covered from its jaws. Be sure to keep the tool perpendicular to the pipe axis and close it completely.

**CHECK.** Check if the crimping has been done properly using the Giacoquest checking gauge GZ211.

## GZ996





### WITHOUT ANTI-OXYGEN BARRIER

PRODUCT CODE	SIZE		
GZ996Y003	1/2"	100	-
GZ996Y205	3/4" (4 m bars)	4	-
GZ996Y005	3/4"	100	-
GZ996Y206	1" (4 m bars)	4	-
GZ996Y006	1"	50	-





### WITH ANTI-OXYGEN BARRIER

PRODUCT CODE	SIZE		
GZ996Y253	1/2" (4 m bars)	4	-
GZ996Y103	1/2"	100	-
GZ996Y255	3/4" (4 m bars)	4	-
GZ996Y105	3/4"	100	-
GZ996Y256	1" (4 m bars)	4	-
GZ996Y106	1"	50	-

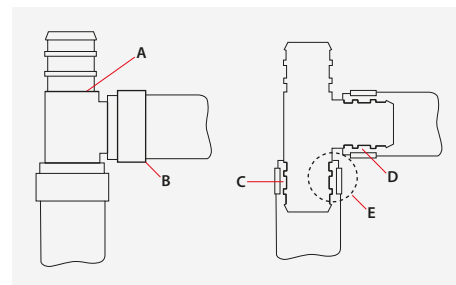
Giacoquest PEX pipe without anti-oxygen barrier for plumbing systems (both domestic water and heating/cooling systems).  
Giacoquest PEX pipe with anti-oxygen barrier for heating/cooling systems.

## GZ61



PRODUCT CODE	SIZE		
GZ61Y003	1/2"	100	1.000
GZ61Y005	3/4"	100	500
GZ61Y006	1"	100	500

Copper crimp ring.



**FITTING POSITIONING.** Insert the fitting into the pipe up to the fitting shoulder. Position the crimp ring 3-6 mm from the end of the pipe. Slightly tighten the ring with a pincers in order to avoid its displacements.

## GZ102

PRODUCT CODE	SIZE	□	⊞
GZ102Y003	1/2" x 1/2"	10	500
GZ102Y004	3/4" x 3/4"	10	250
GZ102Y005	1" x 1"	10	250

Straight fitting. For plumbing systems.



## GZ127

PRODUCT CODE	SIZE	□	⊞
GZ127Y003	1/2" x 1/2"M	10	150
GZ127Y043	1/2" x 3/4"M	10	50
GZ127Y044	3/4" x 3/4"M	10	50
GZ127Y045	1" x 3/4"M	10	50
GZ127Y055	1" x 1"M	10	50

90° elbow fitting, male thread. For plumbing systems.



## GZ103

PRODUCT CODE	SIZE	□	⊞
GZ103Y004	3/4" x 1/2"	10	500
GZ103Y005	1" x 1/2"	10	250
GZ103Y006	1" x 3/4"	10	250

Reducer straight fitting. For plumbing systems.



## GZ128

PRODUCT CODE	SIZE	□	⊞
GZ128X003	1/2" x Ø15 - L. 300 mm	1	50
GZ128X023	1/2" x Ø15 - L. 150 mm	1	50
GZ128X073	1/2" x Ø15 - L. 750 mm	1	25

90° elbow fitting, chrome plated, with copper pipe Ø15 mm.



## GZ107

PRODUCT CODE	SIZE	□	⊞
GZ107Y033	1/2" x 1/2"M	10	250
GZ107Y043	1/2" x 3/4"M	10	250
GZ107Y034	3/4" x 1/2"M	10	250
GZ107Y044	3/4" x 3/4"M	10	250
GZ107Y054	3/4" x 1"M	10	100
GZ107Y035	1" x 1/2"M	10	100
GZ107Y045	1" x 3/4"M	10	100
GZ107Y055	1" x 1"M	10	100

Straight fitting, male thread. For plumbing systems.



## GZ129

PRODUCT CODE	SIZE	□	⊞
GZ129Y033	1/2" x 1/2"F	10	150
GZ129Y034	3/4" x 1/2"F	10	150
GZ129Y044	3/4" x 3/4"F	10	50
GZ129Y045	1" x 3/4"F	10	50
GZ129Y055	1" x 1"F	10	50

90° elbow fitting, female thread. For plumbing systems.



## GZ109

PRODUCT CODE	SIZE	□	⊞
GZ109Y033	1/2" x 1/2"F	10	250
GZ109Y034	3/4" x 1/2"F	10	250
GZ109Y044	3/4" x 3/4"F	10	250
GZ109Y045	1" x 3/4"F	10	100
GZ109Y055	1" x 1"F	10	100

Straight fitting, female thread. For plumbing systems.



## GZ139

PRODUCT CODE	SIZE	□	⊞
GZ139Y003	1/2" x 1/2"F	10	50
GZ139Y004	3/4" x 1/2"F	10	50
GZ139Y044	3/4" x 3/4"F	10	50
GZ139Y045	1" x 3/4"F	10	50

90° elbow fitting with wall support, female threaded. For plumbing systems.



## GZ122

PRODUCT CODE	SIZE	□	⊞
GZ122Y003	1/2" x 1/2"	10	250
GZ122Y004	3/4" x 3/4"	10	250
GZ122Y005	1" x 1"	10	100

90° elbow fitting. For plumbing systems.



## GZ150

PRODUCT CODE	SIZE	□	⊞
GZ150Y003	1/2" x 1/2" x 1/2"	10	500
GZ150Y004	3/4" x 3/4" x 3/4"	10	250
GZ150Y005	1" x 1" x 1"	10	100

Tee fitting. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GZ151

PRODUCT CODE	SIZE	□	⊞
GZ151Y009	1/2" x 3/4" x 1/2"	10	250
GZ151Y014	3/4" x 1/2" x 1/2"	10	250
GZ151Y015	3/4" x 1/2" x 3/4"	10	250
GZ151Y016	3/4" x 3/4" x 1/2"	10	250
GZ151Y023	1" x 1/2" x 1"	10	100
GZ151Y025	1" x 3/4" x 3/4"	10	150
GZ151Y017	3/4" x 1" x 3/4"	10	100
GZ151Y026	1" x 3/4" x 1"	10	100
GZ151Y027	1" x 1" x 3/4"	10	100

Reducer Tee fitting. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GZ153

PRODUCT CODE	SIZE	□	⊞
GZ153Y033	1/2" x 1/2" M x 1/2"	10	100
GZ153Y034	3/4" x 1/2" M x 3/4"	10	100

Tee fitting, male thread. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GZ152-1

PRODUCT CODE	SIZE	□	⊞
GZ152Y041	3/4" x 1/2" x 1/2" x 1/2"	5	50

Manifold with 1 inlet and 3 outlets. For plumbing systems.



## GZ154

PRODUCT CODE	SIZE	□	⊞
GZ154Y033	1/2" x 1/2" F x 1/2"	10	100
GZ154Y034	3/4" x 1/2" F x 3/4"	10	100
GZ154Y035	1" x 1/2" F x 1"	10	100
GZ154Y045	1" x 3/4" F x 1"	10	100

Tee fitting, female thread. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GZ152-2

PRODUCT CODE	SIZE	□	⊞
GZ152Y042	3/4" x 1/2" x 1/2" x 1/2" x 1/2"	5	50

Manifold with 1 inlet and 4 outlets. For plumbing systems.



## GZ158

PRODUCT CODE	SIZE	□	⊞
GZ158X003	1/2" x Ø15 x 1/2" - L. 300 mm	1	50
GZ158X073	1/2" x Ø15 x 1/2" - L. 700 mm	1	25

Tee fitting, chrome plated, with copper pipe Ø15 mm. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GZ152-3

PRODUCT CODE	SIZE	□	⊞
GZ152Y043	3/4" x 1/2" x 1/2" x 1/2" x 3/4"	5	50

Manifold with 2 inlets and 3 outlets. For plumbing systems.



## GZ165

PRODUCT CODE	SIZE	□	⊞
GZ165Y003	1/2"	10	1.000
GZ165Y004	3/4"	10	500
GZ165Y005	1"	10	250

Plug. For plumbing systems.



## GZ152-4

PRODUCT CODE	SIZE	□	⊞
GZ152Y044	3/4" x 1/2" x 1/2" x 1/2" x 1/2" x 3/4"	5	50

Manifold with 2 inlets and 4 outlets. For plumbing systems.



## GZ179

PRODUCT CODE	SIZE	□	⊞
GZ179Y032	16 x 1/2"	10	250
GZ179Y042	18 x 1/2"	10	250
GZ179Y045	18 x 3/4"	10	100
GZ179Y056	28 x 1"	10	100
GZ179Y062	1/2" Eurocone x 1/2"	10	250

Straight fitting, base adaptor and plastic pipe connections. For plumbing systems.



## GZ573

PRODUCT CODE	SIZE	□	⊞
<b>GZ573Y033</b>	1/2" x 1/2"F	10	100

90° elbow for domestic water system connection.



## GZ200C

PRODUCT CODE	SIZE	□	⊞
<b>GZ200Y103</b>	1/2"	1	-
<b>GZ200Y105</b>	3/4"	1	-

Small manual crimping tool.



## GZ606

PRODUCT CODE	SIZE	□	⊞
<b>GZ606Y003</b>	1/2"	10	100

Shut-off ball valve, with handwheel. For plumbing systems.



## GZ211

PRODUCT CODE	SIZE	□	⊞
<b>GZ211Y001</b>	1/2" - 3/4"	1	-
<b>GZ211Y003</b>	1"	1	-

Checking gauge.



## GZ651

PRODUCT CODE	SIZE	□	⊞
<b>GZ651Y003</b>	1/2"	1	100
<b>GZ651Y004</b>	3/4"	1	100
<b>GZ651Y005</b>	1"	1	50

Shut-off ball valve, with red T-handle. For plumbing systems.



## R990

PRODUCT CODE	SIZE	□	⊞
<b>R990Y001</b>	∅0÷25 and 1/2"-3/4"-1"	1	-

Shear for plastic pipe, ∅16,20,25 mm and 1/2", 3/4",1".



## GZ200

PRODUCT CODE	SIZE	□	⊞
<b>GZ200Y003</b>	1/2"	1	-
<b>GZ200Y004</b>	3/4"	1	-
<b>GZ200Y005</b>	1"	1	-

Manual crimping tool, provided with GZ211 checking gauge.



## GZ201

PRODUCT CODE	SIZE	□	⊞
<b>GZ201Y001</b>	1/2" - 3/4" - 1"	1	-

Shear for crimping rings removal.



## GZ200A

PRODUCT CODE	SIZE	□	⊞
<b>GZ200Y203</b>	1/2"	1	-
<b>GZ200Y205</b>	3/4"	1	-

Manual crimping tool.



APPLICATION RANGE	T <sub>OPER</sub> [°C]	TIME AT T <sub>OPER</sub> [YEARS]	T <sub>MAX</sub> [°C]	TIME AT T <sub>MAX</sub> [YEARS]	T <sub>MAL</sub> [°C]	TIME AT T <sub>MAL</sub> [H]
<b>CLASS 1</b> Domestic hot water (60 °C)	60	49	80	1	95	100
<b>CLASS 2</b> Domestic hot water (70 °C)	70	49	80	1	95	100
<b>CLASS 4</b> Underfloor heating and low-temperature radiators	20	2,5	70	2,5	100	100
	40	2,0				
	60	2,5				
<b>CLASS 5</b> Radiator heating at a high temperature	20	14	90	1	100	100
	60	25				
	80	10				

**⚠ WARNING - READ CAREFULLY**

\* At the end of each expansion step of the expansion head, manually rotate the pipe/or the expander tool by min. 10° - max. 45° and insert it deeper into the head (4b.3). Follow these steps until the expansion head is completely inside the pipe (4b.4), then perform at least further 2 expansions (for Ø 32 x 4,4 mm and 40 x 5,5 mm pipes, perform at least further 6 expansions).

- DOMESTIC WATER SYSTEMS
- RADIANT HEATING/COOLING SYSTEMS
- RADIATOR HEATING SYSTEMS



**PIPE CUT.** Square-cut the pipe perpendicularly to its axis taking care not to deform it.



**RING INSERTION.** Insert the special polymeric ring onto the pipe until the stop edge.



**EXPAND THE PIPE.** Select the proper expansion head and start gradually to expand the pipe.



**EXPAND THE PIPE\*.** Step by step, push further the pipe on the expansion head until its stop shoulder is reached.



**FITTING INSERTION.** Before the pipe shrink back insert the GX fitting, pushing pipe and ring up to the fitting stop shoulder.



**COMPLETE THE CONNECTION.** After 1 minute the joint will be completed and is then possible to move on to the following connection.



VIDEO TUTORIAL

PRODUCT CODE	GX201Y003	GX201Y004	GX202Y001	GX202Y002	GX202Y003	GX202Y011	GX202Y015	GX202Y017	GX202Y013	GX202Y016	GX202Y018	GX202Y021	GX202Y022	GX202Y026	GX202Y027	GX203Y001	GX203Y002
GX200Y101	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GX200Y102	●	●	●	●	●	●	●	●	○	○	○	●	●	●	●	●	●
GX200Y103	●	●	●	●	●	○	○	○	●	●	●	●	●	●	●	●	●
GX200Y002	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○
GX200Y003	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○
GX200Y004	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○

● INCLUDED WITH KIT ○ OPTIONAL ● NOT COMPATIBLE

## Series R996T

PRODUCT CODE	DIMENSIONS [mm]	PACKAGE [m]	ANTI-OXYGEN BARRIER	PIPE COLOUR
R996TY227	16 x 2,0	100	Yes	Red
R996TY219	16 x 2,0	240	Yes	Red
R996TY264	16 x 2,0	600	Yes	Red
R996TY221	20 x 2,0	100	Yes	Red
R996TY222	20 x 2,0	240	Yes	Red
R996TY253	20 x 2,0	400	Yes	Red



Giacotherm PEX-b pipe with anti-oxygen barrier, for heating/cooling systems. Application class: 4, 5 (not suitable for domestic water).

## Series R996

PRODUCT CODE	DIMENSIONS [mm]	PACKAGE [m]	ANTI-OXYGEN BARRIER	PIPE COLOUR
R996Y151	16 x 1,8	4 (in bar)	No	Neutral
R996Y150	16 x 1,8	100	No	Neutral
R996Y026	16 x 2,2	100	No	Neutral
R996Y152	20 x 1,9	4 (in bar)	No	Neutral
R996Y143	20 x 1,9	50	No	Neutral
R996Y082	20 x 1,9	200	No	Neutral
R996Y153	25 x 2,3	4 (in bar)	No	Neutral
R996Y144	25 x 2,3	50	No	Neutral
R996Y154	32 x 2,9	4 (in bar)	No	Neutral
R996Y146	40 x 3,7	4 (in bar)	No	Neutral

GIACOFLEX pipe, PEX-b made for sanitary plumbing systems.



PRODUCT CODE	DIMENSIONS [mm]	PACKAGE [m]	ANTI-OXYGEN BARRIER	PIPE COLOUR
R996Y155	16 x 1,8	4 (in bar)	Yes	Neutral
R996Y140	16 x 1,8	100	Yes	Neutral
R996Y141	16 x 1,8	240	Yes	Neutral
R996Y142	16 x 1,8	600	Yes	Neutral
R996Y130	16 x 2,2	100	Yes	Neutral
R996Y156	20 x 1,9	4 (in bar)	Yes	Neutral
R996Y157	20 x 1,9	100	Yes	Neutral
R996Y131	20 x 2,8	100	Yes	Neutral
R996Y158	25 x 2,3	4 (in bar)	Yes	Neutral
R996Y159	25 x 2,3	50	Yes	Neutral
R996Y132	25 x 3,5	50	Yes	Neutral
R996Y160	32 x 2,9	4 (in bar)	Yes	Neutral
R996Y135	32 x 4,4	4 (in bar)	Yes	Neutral
R996Y161	40 x 3,7	4 (in bar)	Yes	Neutral
R996Y134	40 x 5,5	4 (in bar)	Yes	Neutral

GIACOMINI PEX, PEX-b made for sanitary plumbing and heating/cooling systems.



## Series R994

PRODUCT CODE	DIMENSIONS [mm]	PACKAGE [m]	ANTI-OXYGEN BARRIER	PIPE COLOUR
R994Y010	16 x 1,8	50	No	Red
R994Y026	16 x 2,2	50	No	Red
R994Y014	20 x 1,9	50	No	Red
R994Y044	20 x 1,9	50	No	Red
R994Y032	20 x 2,8	50	No	Red

Giacoflex PEX-b pipe for domestic and heating/cooling systems. Red sleeve. Application class: 1, 2, 4, 5.



## Series R993

PRODUCT CODE	DIMENSIONS [mm]	PACKAGE [m]	ANTI-OXYGEN BARRIER	PIPE COLOUR
R993Y010	16 x 1,8	50	No	Blue
R993Y026	16 x 2,2	50	No	Blue
R993Y014	20 x 1,9	50	No	Blue
R993Y044	20 x 1,9	50	No	Blue
R993Y032	20 x 2,8	50	No	Blue

Giacoflex PEX-b pipe for domestic and heating/cooling systems. Blue sleeve. Application class: 1, 2, 4, 5.



## Series R995

PRODUCT CODE	DIMENSIONS [mm]	PACKAGE [m]	ANTI-OXYGEN BARRIER	PIPE COLOUR
R995Y026	16 x 1,8	50	No	Black
R995Y056	16 x 2,2	50	No	Black
R995Y032	20 x 1,9	50	No	Black
R995Y062	20 x 2,8	50	No	Black

Giacoflex PEX-b pipe for domestic and heating/cooling systems. Black sleeve. Application class: 1, 2, 4, 5.



## GX61

PRODUCT CODE	SIZE		
GX61Y013	16	20	300
GX61Y014	20	20	300
GX61Y015	25	20	200
GX61Y016	32	5	200
GX61Y017	40	5	50

Polymeric ring for GX system, white color.



## GX109

PRODUCT CODE	SIZE		
GX109Y033	16 x 1/2"F	10	250
GX109Y043	16 x 3/4"F	10	250
GX109Y034	20 x 1/2"F	10	250
GX109Y044	20 x 3/4"F	10	250
GX109Y045	25 x 3/4"F	10	100
GX109Y055	25 x 1"F	5	100
GX109Y056	32 x 1"F	5	100
GX109Y067	40 x 1 1/4"F	1	30
GX109Y077	40 x 1 1/2"F	1	20

Straight fitting, female thread. For plumbing systems.



## GX102

PRODUCT CODE	SIZE		
GX102Y003	16 x 16	10	250
GX102Y004	20 x 20	10	250
GX102Y005	25 x 25	10	100
GX102Y006	32 x 32	5	100
GX102Y007	40 x 40	1	20

Straight fitting. For plumbing systems.



## GX122

PRODUCT CODE	SIZE		
GX122Y003	16 x 16	10	250
GX122Y004	20 x 20	10	100
GX122Y005	25 x 25	5	50
GX122Y006	32 x 32	5	50
GX122Y007	40 x 40	1	25

90° elbow fitting. For plumbing systems.



## GX103

PRODUCT CODE	SIZE		
GX103Y004	20 x 16	10	250
GX103Y005	25 x 16	10	100
GX103Y006	25 x 20	10	100
GX103Y008	32 x 20	5	100
GX103Y009	32 x 25	5	100
GX103Y010	40 x 25	1	20
GX103Y011	40 x 32	1	20

Reducer straight fitting. For plumbing systems.



## GX127

PRODUCT CODE	SIZE		
GX127Y003	16 x 1/2"M	10	150
GX127Y044	16 x 3/4"M	10	50
GX127Y043	20 x 1/2"M	10	150
GX127Y055	20 x 3/4"M	10	50
GX127Y045	25 x 3/4"M	10	50
GX127Y056	25 x 1"M	5	50
GX127Y066	32 x 1"M	5	50

90° elbow fitting, male thread. For plumbing systems.



## GX107

PRODUCT CODE	SIZE		
GX107Y033	16 x 1/2"M	10	250
GX107Y043	16 x 3/4"M	10	250
GX107Y034	20 x 1/2"M	10	250
GX107Y044	20 x 3/4"M	10	250
GX107Y054	20 x 1"M	5	100
GX107Y035	25 x 1/2"M	10	250
GX107Y045	25 x 3/4"M	10	250
GX107Y055	25 x 1"M	5	100
GX107Y056	32 x 1"M	5	100
GX107Y067	40 x 1 1/4"M	1	30
GX107Y077	40 x 1 1/2"M	1	20

Straight fitting, male thread. For plumbing systems.



## GX129

PRODUCT CODE	SIZE		
GX129Y033	16 x 1/2"F	10	150
GX129Y044	16 x 3/4"F	10	50
GX129Y034	20 x 1/2"F	10	150
GX129Y045	20 x 3/4"F	10	50
GX129Y055	25 x 3/4"F	10	50
GX129Y056	25 x 1"F	5	50
GX129Y066	32 x 1"F	5	50

90° elbow fitting, female thread. For plumbing systems.



## GX128

PRODUCT CODE	SIZE	☐	📦
GX128X003	16 x Ø15 - L. 300 mm	1	50
GX128X004	20 x Ø15 - L. 300 mm	1	50

90° elbow fitting, chrome plated, with copper pipe Ø 15 mm.



## GX152

PRODUCT CODE	SIZE	☐	📦
GX152Y041	20 x 20 x 16 x 16	1	25
GX152Y043	20 x 20 x 16 x 16 x 16	1	25

4 or 5 ways manifold. For plumbing systems.



## GX139

PRODUCT CODE	SIZE	☐	📦
GX139Y023	16 x 1/2" F - L. 45 mm	5	50
GX139Y003	16 x 1/2" F - L. 52,5 mm	5	50
GX139Y024	20 x 1/2" F - L. 45 mm	5	50
GX139Y004	20 x 1/2" F - L. 52,5 mm	5	50
GX139Y005	20 x 3/4" F - L. 52,5 mm	5	50
GX139Y006	25 x 3/4" F - L. 52,5 mm	5	50

90° elbow fitting with wall support, female thread. For plumbing systems.



## GX153

PRODUCT CODE	SIZE	☐	📦
GX153Y033	16 x 1/2" M x 16	5	100
GX153Y034	20 x 1/2" M x 20	5	100
GX153Y044	20 x 3/4" M x 20	5	50
GX153Y045	25 x 3/4" M x 25	5	50
GX153Y056	32 x 1" M x 32	5	40

Tee fitting, male thread. For plumbing systems.



## GX150

PRODUCT CODE	SIZE	☐	📦
GX150Y003	16 x 16 x 16	10	100
GX150Y004	20 x 20 x 20	5	100
GX150Y005	25 x 25 x 25	5	50
GX150Y006	32 x 32 x 32	5	40
GX150Y007	40 x 40 x 40	1	10

Tee fitting. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GX154

PRODUCT CODE	SIZE	☐	📦
GX154Y033	16 x 1/2" F x 16	5	100
GX154Y034	20 x 1/2" F x 20	5	100
GX154Y044	20 x 3/4" F x 20	5	50
GX154Y045	25 x 3/4" F x 25	5	50
GX154Y056	32 x 1" F x 32	5	40

Tee fitting, female thread. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GX151

PRODUCT CODE	SIZE	☐	📦
GX151Y009	16 x 20 x 16	10	100
GX151Y014	20 x 16 x 16	10	100
GX151Y015	20 x 16 x 20	10	100
GX151Y016	20 x 20 x 16	10	100
GX151Y017	20 x 25 x 20	10	100
GX151Y021	25 x 16 x 16	5	100
GX151Y022	25 x 16 x 20	5	100
GX151Y023	25 x 16 x 25	5	100
GX151Y025	25 x 20 x 20	5	100
GX151Y026	25 x 20 x 25	5	100
GX151Y028	25 x 25 x 16	5	100
GX151Y027	25 x 25 x 20	5	100
GX151Y032	32 x 20 x 20	5	50
GX151Y033	32 x 20 x 25	5	50
GX151Y035	32 x 25 x 25	5	50
GX151Y036	32 x 25 x 32	5	50
GX151Y037	32 x 32 x 20	5	40
GX151Y038	32 x 32 x 25	5	40
GX151Y044	40 x 20 x 40	1	25
GX151Y045	40 x 25 x 40	1	10
GX151Y047	40 x 32 x 32	1	10
GX151Y048	40 x 32 x 40	1	10

Reducer Tee fitting. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GX158

PRODUCT CODE	SIZE	☐	📦
GX158X003	16 x Ø15 x 16 - L. 300 mm	1	50
GX158X004	20 x Ø15 x 20 - L. 300 mm	1	50

Tee fitting, chrome plated, with copper pipe Ø 15 mm. For plumbing systems.



CERTIFICATIONS AND SYMBOLS



## GX165

PRODUCT CODE	SIZE	☐	📦
GX165Y003	16	10	500
GX165Y004	20	10	250
GX165Y005	25	10	250

Plug. For plumbing systems.





## GX179

PRODUCT CODE	SIZE	☐	☒
<b>GX179Y023</b>	16 x 16	10	250
<b>GX179Y033</b>	16 x 18	10	250
<b>GX179Y043</b>	16 x 1/2"	10	250
<b>GX179Y053</b>	16 x 3/4" Eurocone	10	250
<b>GX179Y034</b>	20 x 18	10	250
<b>GX179Y054</b>	20 x 3/4" Eurocone	10	250

Straight fitting, base adaptor and plastic pipe connections. For plumbing systems.

## GX651

PRODUCT CODE	SIZE	☐	☒
<b>GX651Y003</b>	16	1	80
<b>GX651Y004</b>	20	1	60
<b>GX651Y005</b>	25	1	40

Shut-off ball valve, GX connections. For plumbing systems.

## GX200-M

PRODUCT CODE	SIZE	☐	☒
<b>GX200Y101</b>	Manual expander tool	1	-
<b>GX200Y102</b>	Manual expander tool	1	-
<b>GX200Y103</b>	Manual expander tool	1	-

Manual expander tools.

### ① INFO

**GX200Y101** manual expander tool. Supplied with:  
- GX202Y001, GX202Y002, GX202Y003 expansion heads for pipes 16x1,8 - 20x1,9 - 25x2,3.  
- Lubricant grease.

**GX200Y102** manual expander tool. Supplied with:  
- GX202Y011, GX202Y015, GX202Y017 expansion heads for pipes 16x1,8 - 20x1,9 - 25x2,3.  
- Lubricant grease.

Optional accessories: GX202Y013, GX202Y016, GX202Y018 expansion heads for pipes 16x2,2 - 20x2,8 - 25x3,5.

**GX200Y103** manual expander tool. Supplied with:  
- GX202Y013, GX202Y016, GX202Y018 expansion heads for pipes 16x2,2 - 20x2,8 - 25x3,5.  
- Lubricant grease.

Optional accessories: GX202Y011, GX202Y015, GX202Y017 expansion heads for pipes 16x1,8 - 20x1,9 - 25x2,3.

## GX200

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>GX200Y002</b>	Electric expander tool (230 V)	1	-
<b>GX200Y003</b>	Battery expander tool (14,4 V)	1	-
<b>GX200Y004</b>	Battery expander tool (22 V)	1	-

Battery and electric expander tools.

### ① INFO

**GX200Y003** battery powered expander tool 14,4 V. Supplied with:  
- Battery and charge 230 V.  
Optional accessories: GX202Y011, GX202Y013, GX202Y015, GX202Y016, GX202Y017, GX202Y018, GX202Y021, GX202Y022, GX202Y026 expansion heads.

**GX200Y004** battery powered expander tool 22 V. Supplied with:  
- Battery and charge 230 V.  
Optional accessories: GX202Y011, GX202Y013, GX202Y015, GX202Y016, GX202Y017, GX202Y018, GX202Y021, GX202Y022, GX202Y026 expansion heads.

**GX200Y002** electric expander tool 230 V. Supplied with:  
- Adaptor for expansion heads GX202Y027.

Optional accessories:

- GX203Y001: adaptor for expansion heads GX202Y011, GX202Y013, GX202Y015, GX202Y016, GX202Y017, GX202Y018, GX202Y021, GX202Y022, GX202Y026.

- GX202Y011, GX202Y013, GX202Y015, GX202Y016, GX202Y017, GX202Y018, GX202Y021, GX202Y022, GX202Y026, GX202Y027 expansion heads.



① INFO PAGE 132

## GX201

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>GX201Y003</b>	Battery 14,4 V for GX200Y003	1	-
<b>GX201Y004</b>	Battery 22 V for GX200Y004	1	-

Battery for expander tool.



① INFO PAGE 132

## GX202

PRODUCT CODE	SIZE	☐	☒
<b>GX202Y001</b>	Ø16 x 1,8 (GX200Y101)	1	50
<b>GX202Y011</b>	Ø16x1,8/2,0 (GX200Y102-002-003)	1	-
<b>GX202Y013</b>	Ø16 x 2,2 (GX200Y102-002-003)	1	-
<b>GX202Y002</b>	Ø20 x 1,9 (GX200Y101)	1	-
<b>GX202Y015</b>	Ø20x1,9/2,0 (GX200Y102-002-003)	1	-
<b>GX202Y016</b>	Ø20 x 2,8 (GX200Y102-002-003)	1	-
<b>GX202Y003</b>	Ø25 x 2,3 (GX200Y101)	1	-
<b>GX202Y017</b>	Ø25 x 2,3 (GX200Y102-002-003)	1	-
<b>GX202Y018</b>	Ø25 x 3,5 (GX200Y102-002-003)	1	-
<b>GX202Y021</b>	Ø32 x 2,9 Type H (GX200Y002-003)	1	-
<b>GX202Y022</b>	Ø32 x 4,4 Type H (GX200Y002-003)	1	-
<b>GX202Y026</b>	Ø40 x 3,7 Type H (GX200Y002-003)	1	-
<b>GX202Y027</b>	Ø40 x 5,5 Type H (GX200Y002)	1	-

Expansion heads.

### ① INFO

**GX202Y001**: expansion head Ø16x1,8 mm for GX200Y101.  
**GX202Y011**: expansion head Ø16x1,8 mm and Ø16x2,0 mm for GX200Y102, GX200Y002, GX200Y003.

**GX202Y013**: expansion head Ø16x2,2 mm for GX200Y102, GX200Y002, GX200Y003.

**GX202Y002**: expansion head Ø20x1,9 mm for GX200Y101.  
**GX202Y015**: expansion head Ø20x1,9 mm and Ø20x2,0 mm for GX200Y102, GX200Y002, GX200Y003.

**GX202Y016**: expansion head Ø20x2,8 mm for GX200Y102, GX200Y002, GX200Y003.

**GX202Y003**: expansion head Ø25x2,3 mm for GX200Y101.

**GX202Y017**: expansion head Ø25x2,3 mm for GX200Y102, GX200Y002, GX200Y003.

**GX202Y018**: expansion head Ø25x3,5 mm for GX200Y102, GX200Y002, GX200Y003.

**GX202Y021**: expansion head Ø32x2,9 mm (Type H) for GX200Y002, GX200Y003.

**GX202Y022**: expansion head Ø32x4,4 mm (Type H) for GX200Y002, GX200Y003.

**GX202Y026**: expansion head Ø40x3,7 mm (Type H) for GX200Y002, GX200Y003.

**GX202Y027**: expansion head Ø40x5,5 mm for GX200Y002.

## GX203

PRODUCT CODE	SIZE	☐	☒
<b>GX203Y001</b>	Adaptor for expansion heads	1	-
<b>GX203Y002</b>	Lubricant grease	1	-

Adaptor for expansion heads GX202Y011, lubricant grease.



① INFO PAGE 132

## R990

PRODUCT CODE	SIZE	☐	☒
<b>R990Y001</b>	Ø0=25 and 1/2"-3/4"-1"	1	-

Shear for plastic pipe, Ø16,20,25 mm and 1/2", 3/4",1".



① INFO PAGE 132

## H201

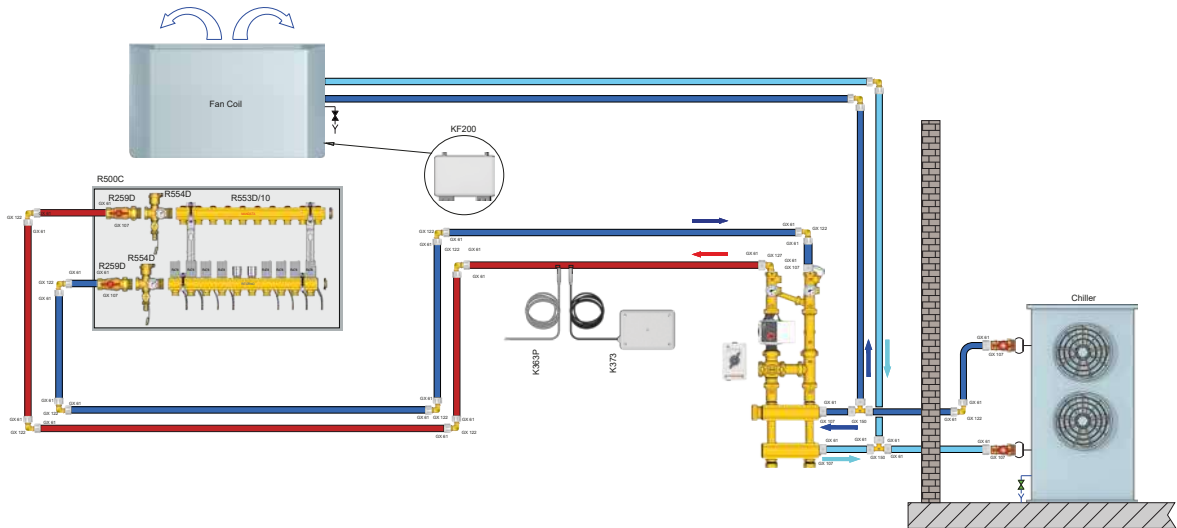
PRODUCT CODE	SIZE	☐	☒
<b>H201Y001</b>	-	1	-

Cutter for plastic pipe, Ø32 and Ø40 mm.

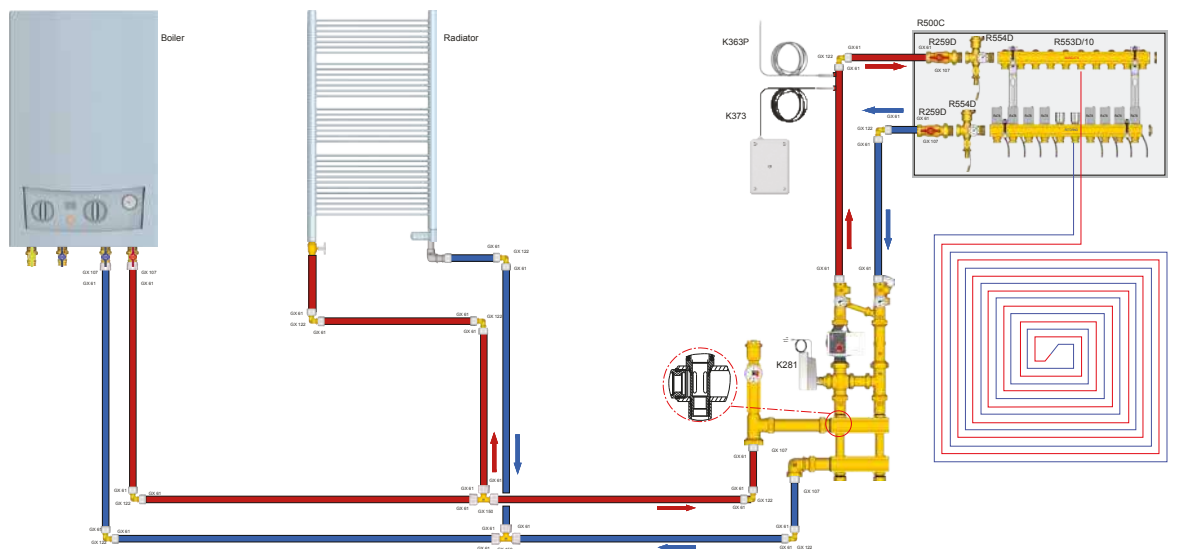


① INFO PAGE 132

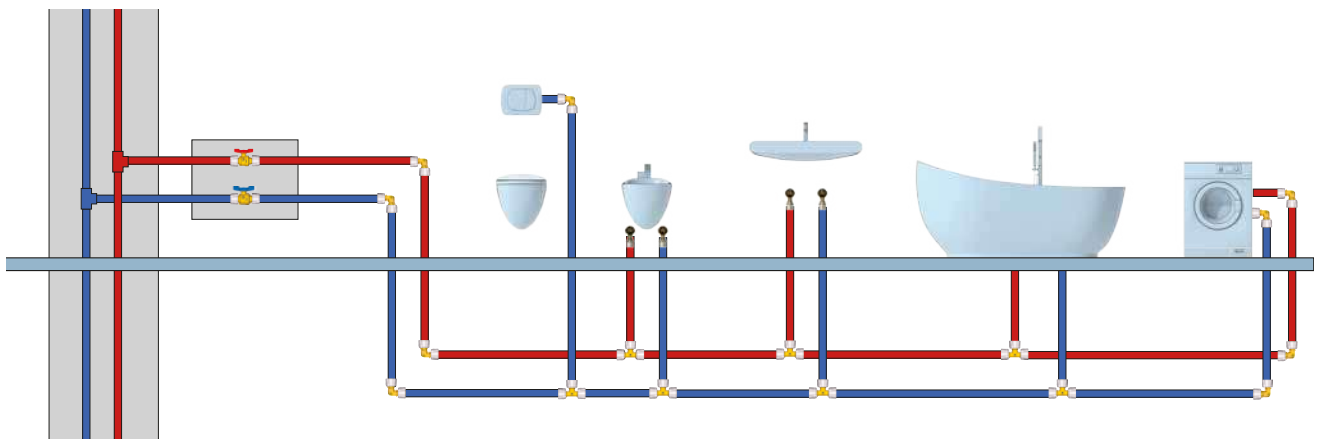
## ➤ Cooling solution



## ➤ Heating solution



## ➤ Water distribution



**Chapter 5** Today plastic pipes play a key role in modern installations. They offer undeniable benefits: great long-term reliability, no corrosion (typical with metals), reduced cost and installation versatility.

Giacomini's product range includes PEX-b, PEX/Al/PEX, PPR and PE-RT solutions.



SECTOR OF APPLICATION

CLASS 1		Domestic hot water (60°C)
CLASS 2		Domestic hot water (70°C)
CLASS 4		Floor heating system and low-temperature radiators
CLASS 5		High temperature radiator heating system

# Pipes

## *Products*

140 Multilayer and plastic pipes

## ➤ Multilayer and plastic pipes

### R996 WITH ANTI-OXYGEN BARRIER

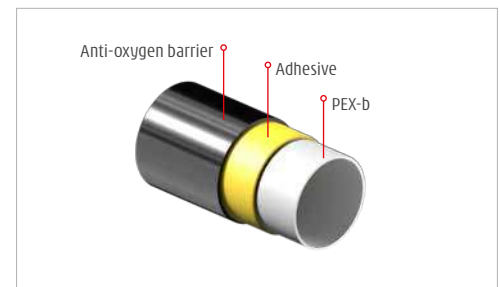


PRODUCT CODE	SIZE	☐	☒
R996Y155	16 x 1,8 (4 m bars)	1	-
R996Y140	16 x 1,8	100	-
R996Y141	16 x 1,8	240	-
R996Y142	16 x 1,8	600	-
R996Y130	16 x 2,2	100	-
R996Y156	20 x 1,9 (4 m bars)	1	-
R996Y157	20 x 1,9	100	-
R996Y131	20 x 2,8	100	-
R996Y158	25 x 2,3 (4 m bars)	1	-
R996Y159	25 x 2,3	50	-
R996Y132	25 x 3,5	50	-
R996Y160	32 x 2,9 (4 m bars)	1	-
R996Y135	32 x 4,4 (4 m bars)	1	-
R996Y161	40 x 3,7 (4 m bars)	1	-
R996Y134	40 x 5,5 (4 m bars)	1	-



Giacotherm PEX-b pipe, for plumbing systems (both domestic water and heating/cooling systems), with anti-oxygen barrier.

#### PIPE SECTION



### R996T WITH ANTI-OXYGEN BARRIER

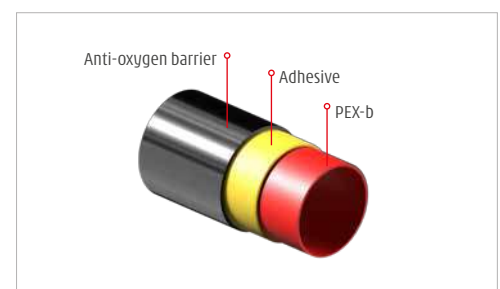


PRODUCT CODE	SIZE	☐	☒
R996Y172	12 x 1,1	240	-
R996Y175	12 x 1,1	-	-
R996TY227	16 x 2	100	-
R996TY219	16 x 2	240	-
R996TY264	16 x 2	600	-
R996TY054	17 x 2	100	-
R996TY033	17 x 2	240	-
R996TY052	17 x 2	600	-
R996TY249	18 x 2	100	-
R996TY220	18 x 2	240	-
R996TY250	18 x 2	500	-
R996TY221	20 x 2	100	-
R996TY222	20 x 2	240	-
R996TY253	20 x 2	400	-
R996TY068	25 x 2,3	320	-



Giacotherm PEX-b pipe with anti-oxygen barrier, for heating/cooling systems. Application class: 4, 5 (not suitable for domestic water).

#### PIPE SECTION



## R993



PRODUCT CODE	SIZE	□	⊞
R993Y010	16 x 1,8	50	-
R993Y028	16 x 2	50	-
R993Y026	16 x 2,2	50	-
R993Y044	20 x 1,9	50	-
R993Y032	20 x 2,8	50	-



Giacoflex PEX-b pipe for domestic water and heating/cooling systems. Blue sleeve.  
Application class: 1, 2, 4, 5.

## R994



PRODUCT CODE	SIZE	□	⊞
R994Y010	16 x 1,8	50	-
R994Y028	16 x 2	50	-
R994Y026	16 x 2,2	50	-
R994Y044	20 x 1,9	50	-
R994Y032	20 x 2,8	50	-



Giacoflex PEX-b pipe for domestic water and heating/cooling systems. Red sleeve.  
Application class: 1, 2, 4, 5.

## R995



PRODUCT CODE	SIZE	□	⊞
R995Y026	16 x 2,2	50	-
R995Y056	16 x 2,2	75	-
R995Y032	20 x 2,8	50	-
R995Y062	20 x 2,8	75	-



Giacoflex PEX-b pipe for domestic water and heating/cooling systems. Black sleeve.  
Application class: 1, 2, 4, 5.

## R995R WITH ANTI-OXYGEN BARRIER



PRODUCT CODE	SIZE	□	⊞
R995RY204	16 x 2	50	-



Giacotherm PEX-b pipe with anti-oxygen barrier, for heating/cooling systems. Red sleeve.  
Application class: 4, 5  
(not suitable for domestic water)

## R995B WITH ANTI-OXYGEN BARRIER



PRODUCT CODE	SIZE	□	⊞
R995BY204	16 x 2	50	-



Giacotherm PEX-b pipe with anti-oxygen barrier, for heating/cooling systems. Blue sleeve.  
Application class: 4, 5.  
(not suitable for domestic water).

## R978 WITH ANTI-OXYGEN BARRIER



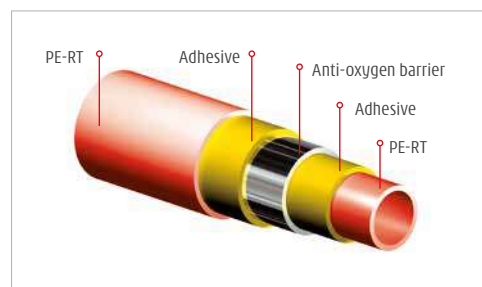
PRODUCT CODE	SIZE	☐	☒
R978Y223	16 x 2	100	-
R978Y226	16 x 2	240	-
R978Y227	16 x 2	600	-
R978Y233	17 x 2	100	-
R978Y235	17 x 2	240	-
R978Y237	17 x 2	600	-
R978Y255	20 x 2	240	-
R978Y256	20 x 2	400	-



PE-RT pipe with anti-oxygen barrier, for heating/cooling systems.

Application class: 4 (not suitable for domestic water).

### PIPE SECTION



## R986 WITH ANTI-OXYGEN BARRIER



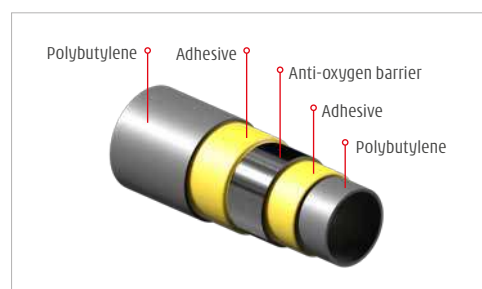
PRODUCT CODE	SIZE	☐	☒
R986Y116	16 x 2	100	-
R986Y117	16 x 2	240	-
R986Y130	16 x 2	500	-
R986Y118	18 x 2	100	-
R986Y119	18 x 2	240	-
R986Y122	22 x 2	100	-



Polybutylene pipe with anti-oxygen barrier, for heating/cooling systems.

Application class: 4, 5 (not suitable for domestic water).

### PIPE SECTION



## R999



### PIPES IN COILS

PRODUCT CODE	SIZE	☐	☒
R999Y122	16 x 2	100	-
R999Y123	16 x 2	200	-
R999Y124	16 x 2	500	-
R999Y132	18 x 2	100	-
R999Y133	18 x 2	200	-
R999Y142	20 x 2	100	-
R999Y143	20 x 2	200	-
R999Y173	26 x 3	50	-
R999Y183	32 x 3	50	-



Multilayer pipe PEX/AL/PEX for domestic water and heating/cooling systems.

Application class: 1, 2, 4, 5.

### PIPE SECTION

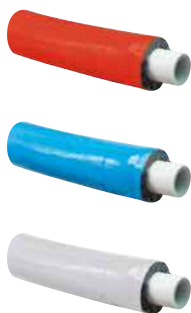


## R999I



### FOR HEATING

PRODUCT CODE	SIZE	☐	☒
R999IY220	16 x 2 - insulation 6 mm - red	50	-
R999IY222	16 x 2 - insulation 6 mm - red	100	-
R999IY225	16 x 2 - insulation 6 mm - blue	50	-
R999IY227	16 x 2 - insulation 6 mm - blue	100	-
R999IY230	18 x 2 - insulation 6 mm - red	50	-
R999IY244	20 x 2 - insulation 6 mm - red	50	-
R999IY249	20 x 2 - insulation 6 mm - blue	50	-
R999IY240	20 x 2 - insulation 10 mm - red	50	-
R999IY245	20 x 2 - insulation 10 mm - blue	50	-
R999IY278	26 x 3 - insulation 6 mm - blue	50	-
R999IY270	26 x 3 - insulation 10 mm - red	25	-
R999IY272	26 x 3 - insulation 10 mm - red	50	-
R999IY275	26 x 3 - insulation 10 mm - blue	50	-
R999IY280	32 x 3 - insulation 10 mm - red	25	-
R999IY285	32 x 3 - insulation 10 mm - blue	25	-

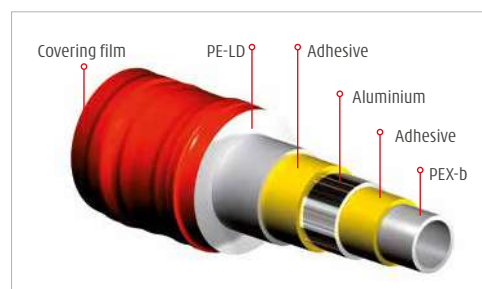


Multilayer pipe PEX/AL/PEX for domestic water and heating/cooling systems, with insulation.

Application class: 1, 2, 4, 5.

Available with insulation in red, blue or grey color.

### PIPE SECTION

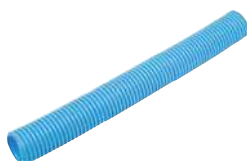


### FOR HEATING AND COOLING

PRODUCT CODE	SIZE	☐	☒
R999IY120	16 x 2 - insulation 10 mm - grey	50	-
R999IY130	18 x 2 - insulation 10 mm - grey	50	-
R999IY140	20 x 2 - insulation 13 mm - grey	50	-
R999IY170	26 x 3 - insulation 13 mm - grey	25	-
R999IY180	32 x 3 - insulation 13 mm - grey	25	-

## R985B

PRODUCT CODE	SIZE	☐	☒
R985BY001	Ø25	100	-
R985BY002	Ø30	100	-



Blue sleeve.

## R985N

PRODUCT CODE	SIZE	☐	☒
R985NY001	Ø25	100	-
R985NY002	Ø30	100	-



Black sleeve.

## R985R

PRODUCT CODE	SIZE	☐	☒
R985RY001	Ø25	100	-
R985RY002	Ø30	100	-



Red sleeve.



**Chapter 6** Regarding environmental thermoregulation, the requirements of designers, installers and the actual customers have become increasingly higher over the years. More appropriate climate comfort, considerable savings in energy consumption, optimised maintenance and greater safety are now required in every type of building, from residential to tertiary. To allow all this, we offer innovative thermoregulation systems, developed based on the most current technologies and focused expressly on the climate regulation of radiant systems for heating and cooling.

---



# Thermoregulation

## *Products*

146	Thermoregulation - KLIMAdomotic TRV
148	Thermoregulation - KLIMAdomotic RAD
149	Thermoregulation - KLIMAbus
151	Thermoregulation - Stand-Alone
152	Thermoregulation - Wireless

# Thermoregulation - KLIMAdomotic TRV

A COMPLETE PLATFORM TO CONTROL INDOOR COMFORT

KLIMAdomotic is a smart and easy control system optimized for radiant panel and thermoregulation systems with radio controlled thermostatic valves (Wireless). It thus enables to control, with one single user interface, all aspects of indoor comfort, from heating to summer air conditioning, through air exchange and humidity control. The KD410 Connect control unit is configured based on the installed system. The product will feature a software version specific for the different type of systems: Connect-Rad for radiant systems, Connect-TRV for systems with thermostatic valve thermoregulation. With KD410, the user is constantly connected to his system: easy to configure with user-friendly graphic interface and remotely controllable through webpage for desktops or with most Smartphones through "Giacomini Connect" dedicated APP.

## KLIMADOMOTIC

SIMPLE TO INSTALL, EASY TO ADJUST.  
OFFER YOUR CUSTOMERS THE WI-FI CLIMATE.



APPLICATION  
WITH RADIATORS  
KD410Y002

APPLICATION  
WITH RADIANT SYSTEMS  
KD410Y001



**DISCOVER THE NEW KLIMADOMOTIC BY GIACOMINI.**  
The Wi-fi HVAC system for radiators and radiant systems.

Control domestic comfort with the innovation of Klimadomotic. Offer your clients the perfect tool to adjust climate in every room, with wireless technology, touch display and remote control with Giacomini's Connect App. Available for both radiator and radiant systems applications. All the comfort smartness right in your hands.

*Control all the environments from a single TOUCH DISPLAY*

*Make also a centralized system INDEPENDENT*

*Check it too from smartphone through the APP*



## KD410

PRODUCT CODE	POWER SUPPLY		
<b>KD410Y002</b>	Connect-TRV (230 V)	1	-

Control unit with touch screen display for climatic control. It can be properly configured based on the installed system. The control unit features a specific software version according to the different type of system:

- KD410Y002: Connect-TRV for thermoregulation systems with thermostatic valves

It supports the following communication protocols:

- ZigBee (wireless communication with K470W chronothermostat for radiators)
- WiFi (wireless communication with WiFi Router)
- LoRa (wireless communication with KA410 control actuator and K410W temperature/humidity sensors)

### INFO

KD410Y002 Connect-TRV

Power supply:

- Table mount connection: 5 Vdc (through external power supply 230 Vac / 5 Vdc mini-USB)
- Wall mount connection: 12 Vdc (through rear quick connector 230 Vdc / 12 Vdc)



## K410W

PRODUCT CODE	POWER SUPPLY		
<b>K410WY001</b>	Temperature sensor	1	-

Temperature/humidity or temperature only wireless sensors.

### INFO

KLIMAdomotic-TRV

K410WY001: wireless temperature sensor to be placed in rooms controlled by the K470W chronothermostat for radiators. Communication with KD410Y002 Connect-TRV through LoRa protocol.

Power supply: 2 batteries AA 1,5 V.



## KA410

PRODUCT CODE	POWER SUPPLY		
<b>KA410Y001</b>	230 V	1	-

Wireless control actuator to turn ON/OFF the heat generator (boiler, heat pump, electric actuator). Communication with KD410 Connect-TRV control unit through LoRa protocol. Power supply: 230 V.



## K470W

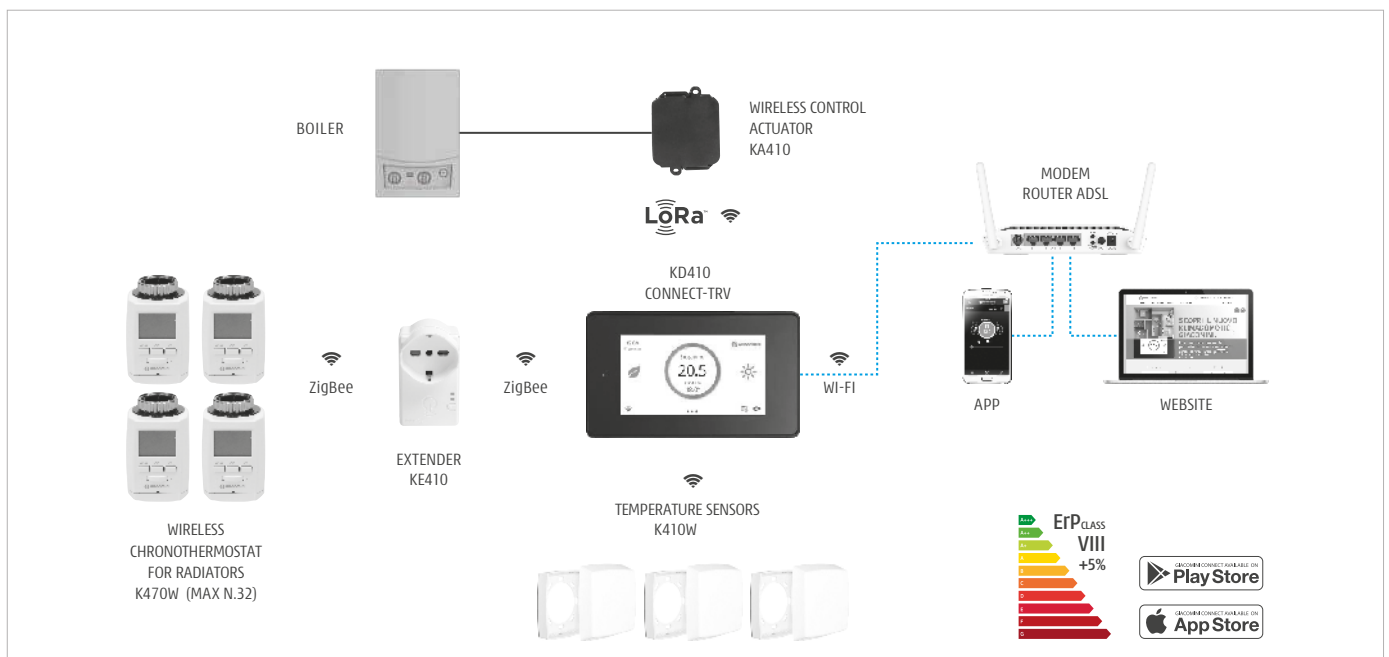
PRODUCT CODE	POWER SUPPLY		
<b>K470WX001</b>	-	1	-

Wireless chronothermostat for radiators (ZigBee standard).

Operation combined with the KD410 Connect-TRV for remote management of heating systems.

Equipped with adaptors for installation on Giacomini "TG" or "H" series valves.

Power supply: 2 batteries AA 1,5 V.



# Thermoregulation - KLIMAdomotic RAD

## KD410

PRODUCT CODE	POWER SUPPLY		
<b>KD410Y001</b>	Connect-RAD (12 V)	1	-

Control unit with touch screen display for climatic control. It can be properly configured based on the installed system. The control unit features a specific software version according to the different type of system: KD410Y001: Connect-RAD for radiant systems. It supports the following communication protocols:

- WiFi (wireless communication with WiFi Router)
- Modbus (wired communication with KPM40 actuator modules)



### INFO

Power supply: 12 Vdc through KPM40 actuator module

## KPM45

PRODUCT CODE	POWER SUPPLY		
<b>KPM45Y002</b>	Modbus	1	-

"Air" actuator module to control various types of air treatment units: dehumidifiers, dehumidifiers with integration and possible heat recovery, fan-coil. Power supply: 230 V.



## K465

PRODUCT CODE	POWER SUPPLY		
<b>K465Y001</b>	12 V	1	-

External temperature probe. To be connected to KPM40 actuator module through wired bus. Temperature measurement range -40÷85 °C. Power supply: 12 V through KPM40 actuator module.



## KPM40

PRODUCT CODE	POWER SUPPLY		
<b>KPM40Y002</b>	Modbus	1	-

"Hydro" actuator module of the radiant system hydraulic components.

It carries out the following actions:

- opens/closes the thermo-electric actuators (up to 20)
- opens/closes the mixing valve
- turns ON/OFF the system circulator and the air treatment units
- summer/winter commutation

It can control up to 8 rooms, bathrooms excluded (controlled by a dedicated relay outlet). Power supply: 230 V.



## K410W

PRODUCT CODE	POWER SUPPLY		
<b>K410WY002</b>	Temperature/Humidity	1	-
<b>K410WY003</b>	Temperature sensor	1	-
<b>K410WY012</b>	Temp./Humidity (Access point)	1	-

Temperature/humidity or temperature only wireless sensors.

### INFO

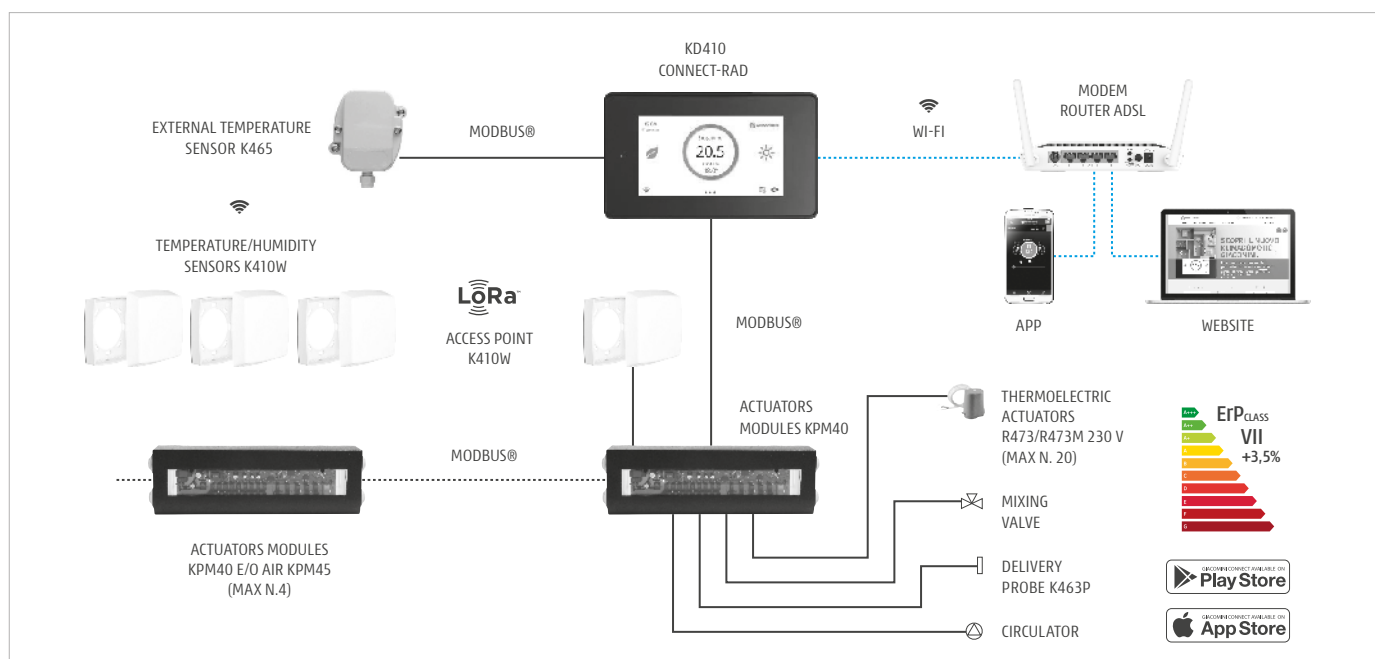
KLIMAdomotic-RAD

K410WY002: wireless temperature/humidity sensor to be placed in any rooms treated by the radiant system and put in communication with the KPM40 Hydro actuator module through the K410WY012 Access-Point via Lora protocol. Power supply: 2 batteries AA 1,5 V.

K410WY003: wireless temperature sensor to be placed in any rooms treated by the radiant system and put in communication with the KPM40 Hydro actuator module through the K410WY012 Access-Point via Lora protocol. Power supply: 2 batteries AA 1,5 V.

K410WY012: Access-Point wireless temperature/humidity sensor to be placed in a room treated by the radiant system. It takes wireless data from the others K410W sensors and send them to the KPM40 Hydro actuator module through Modbus wire.

Power supply: 12 V via KPM40 actuator module.



# Thermoregulation - KLIMAbus

## KLIMABUS - BUS THERMOREGULATION SYSTEM

New bus system for control of radiant heating and cooling systems. Modular system to control both simple heating and cooling mixing groups and more complex residential and commercial systems, with air treatment systems for dehumidification, cold integration, air recirculation and controlled mechanical ventilation. Possible connection with main control protocols available on the market. KLIMAbus can be used with domotic communication standards, such as Modbus and KNX Applications easy to configure through guided menus for easy installation and commissioning. For more details on how to use the system, please contact our Technical Assistance service.



### KPM30

PRODUCT CODE	POWER SUPPLY	□	⊞
KPM30Y001	24 V	1	-
KPM30Y002	24 V	1	-
KPM30Y003	24 V	1	-
KPM30Y004	24 V	1	-
KPM30Y005	24 V	1	-



Regulation unit for heating/cooling systems. With display panel for system monitoring, configuration and management. Dimension 6 DIN modules. Possibility of controlling the mixing valve, circulator and voltage-free contact outputs.

Optional connection with KD201 remote display.

Possibility of connection (via Bus) with KPM35 expansion board and K492B/K495B/L or K493T/I ambient probes.

EC certification.

### KPM31

PRODUCT CODE	POWER SUPPLY	□	⊞
KPM31Y001	24 V	1	-
KPM31Y002	24 V	1	-
KPM31Y003	24 V	1	-
KPM31Y004	24 V	1	-
KPM31Y005	24 V	1	-



Regulation unit for heating/cooling systems. To be combined with KD201 remote display for system monitoring, configuration and management. Dimension 6 DIN modules.

Possibility of controlling the mixing valve, circulator and voltage-free contact outputs. Possibility of connection (via Bus) with KPM35 expansion board and K492B/K495B/L ambient probes.

EC certification.

### KPM35

PRODUCT CODE	POWER SUPPLY	□	⊞
KPM35Y001	24 V	1	-

Input/output expansion board for KPM30 or KPM31 regulation unit.

Voltage-free contact outputs with possibility of commanding the electrical actuators or air treatment systems for dehumidification or integration. Dimension 4 DIN modules.

EC certification.



### KPM36

PRODUCT CODE	POWER SUPPLY	□	⊞
KPM36Y001	ModBus board	1	-
KPM36Y002	Konnex board	1	-
KPM36Y003	Ethernet board	1	-



Boards for KPM30/KPM31 regulation units.

### K497

PRODUCT CODE	POWER SUPPLY	□	⊞
K497Y001	For KPM30 or KPM31	1	-
K497Y002	For KPM35	1	-



Kit of removable terminals

for KPM30/KPM31/KPM35 regulation unit.

### KD201

PRODUCT CODE	POWER SUPPLY	□	⊞
KD201Y001	-	1	-



LCD display with keyboard for system monitoring, configuration and management. To be used in combination with the KPM30/KPM31 regulation unit. Direct power supply from the regulation unit. Surface mounting. EC certification.

### K492B

PRODUCT CODE	POWER SUPPLY	□	⊞
K492BY002	230 V	1	-

Thermostat with backlight display and local interface for controlling ambient temperature and humidity. To be used in combination with the KPM30/KPM31 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. Flush-mounting installation in round domestic box. EC certification.



### K495B

PRODUCT CODE	POWER SUPPLY	□	⊞
K495BY002	24 V	1	-

Temperature/humidity probe without visualization and local interface (blank). To be used in combination with the KPM30/KPM31 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. Surface mounting. EC certification.



## K495L

PRODUCT CODE	POWER SUPPLY		
<b>K495LY002</b>	24 V	1	-

Thermostat with backlight display and local interface for controlling ambient temperature and humidity.

To be used in combination with the KPM30/KPM31 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. Surface mounting. EC certification.



## K493I

PRODUCT CODE	POWER SUPPLY		
<b>K493IY012</b>	12 V	1	-

Temperature/humidity probe.

To be used in combination with the KPM30/KPM31 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. Flush-mounting. EC certification.



## K493T

PRODUCT CODE	POWER SUPPLY		
<b>K493TY002</b>	12 V	1	-

Temperature/humidity thermostat with backlight touch-screen display.

Possibility to command N.1 fan-coil with 0-10 V signal or N.3 3-speed fan-coils in combination with KF201 module.

To be used in combination with the KPM30/KPM31 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. EC certification.



## K463P

PRODUCT CODE	POWER SUPPLY		
<b>K463PY001</b>	-	1	-

Delivery temperature probe (passive type). Measuring range -50/105 °C. Cable length 6 m. Bulb diameter 6 mm. To be used in combination with the KPM30/KPM31 regulation unit.



## K465P

PRODUCT CODE	POWER SUPPLY		
<b>K465PY001</b>	-	1	-

External temperature probe (passive type). Measuring range -50/105 °C, in box with IP68 protection degree. To be used in combination with the KPM30/KPM31 regulation unit.



## K498M

PRODUCT CODE	POWER SUPPLY		
<b>K498MY002</b>	-	1	-

Signal converter from PWM to 0-10 V, for commanding a second mixing valve from a KPM30/KPM31 regulation unit.

Installation on DIN rail. EC certification.



## KF201

PRODUCT CODE	POWER SUPPLY		
<b>KF201Y001</b>	12 V Bus	1	1

Fan-coil control module to be used with K483T thermometers of the KLIMABus thermoregulation.



## K373

PRODUCT CODE	POWER SUPPLY		
<b>K373Y011</b>	230 V	1	10
<b>K373Y012</b>	230 V - with R227-1	1	10

Safety thermostat with immersion probe and housing.



## K489

PRODUCT CODE	POWER SUPPLY		
<b>K489Y001*</b>	-	15	-

Box for flush-mounting installation.

\* Last in production



## PM100R

PRODUCT CODE	POWER SUPPLY		
<b>PM100Y001</b>	230 V	1	10

Control unit with 8 input (thermostats) and 8 output (zone valve, actuators) with 4 minutes delayed intervention of the circulator.



## PM100P

PRODUCT CODE	POWER SUPPLY		
<b>PM100Y003</b>	230 V	1	-

Control unit for actuators with safety thermostat and 4 minutes delayed intervention.



# Thermoregulation - Stand-Alone

## STAND-ALONE THERMOREGULATION SYSTEM

Chronothermostat and thermostat family for exposed and concealed installation and control of thermo-electric actuators or zone valves in heating and cooling radiant systems. Combined to radiant panels, they can also control integration terminals such as dehumidifiers. 230 Vac power and battery-powered with AA and AAA alkaline batteries. Main characteristics:

- Modern and technologic aesthetics.
- Blue led back-lit graphic display (for K490I and K492).
- Touchscreen (K492 only).
- For concealed chronothermostats, compatible with plates of most civil electric lines (among which Bticino Axolute).
- Possible centralized local (with a specific control module) or remote (with GSM module) control, using mobile phone text messages or downloading the dedicated APP for smartphones and tablets (versions for Android and iOS).

## K490I

PRODUCT CODE	POWER SUPPLY		
<b>K490IY001</b>	230 V	1	-
<b>K490IY002</b>	2 batteries AAA 1,5 V	1	-

Weekly chronothermostat, flush-mounting installation.

Compatible with the plates of the most common domestic ranges, containing a wide selection of covers, frames and adaptors.

Operating mode in heating and cooling, with weekly/daily/timed program and the possibility of manual operation.

Temperature adjustment range: 2+40 °C. EC certification.

### INFO

K490IY001: 230 Vac, 50 Hz.  
K490IY002: N.2 AAA 1,5 V batteries.



## K492

PRODUCT CODE	POWER SUPPLY		
<b>K492DY012</b>	230 V	1	-

Weekly chronothermostat with touchscreen display, surface mounting installation.

Operating mode in heating and cooling, with weekly/daily/timed program and the possibility of manual operation.

Built-in sensor for relative ambient humidity. Temperature adjustment range: 2+40 °C. EC certification.

### INFO

Powered from the mains (230 Vac, 50 Hz). Equipped with 2 output relays (voltage-free exchange contact, 5(3)A, 250 Vac) for commanding heating/cooling systems (thermo-electric actuators) and integrated management of dehumidification (air treatment units).

Possibility to connect auxiliary supply temperature probe (K463PY001) for the management of alarms and system block (Dew Point control, max. temperature in heating mode, minimum temperature in cooling mode).



## K494

PRODUCT CODE	POWER SUPPLY		
<b>K494AY001</b>	2 batteries AAA 1,5 V	1	-

Thermostat, surface mounting installation. Display without backlighting.

Operating mode in heating and cooling, with two attenuation levels.

Powered by N.2 AAA 1,5 V batteries.

Wall installation or in round box (diameter 60 mm).

Temperature adjustment range: 2+40 °C. EC certification.



## K494I

PRODUCT CODE	POWER SUPPLY		
<b>K494IY001</b>	230 V	1	-
<b>K494IY002</b>	230 V	1	-
<b>K494IY011</b>	3 batteries AAA 1,5 V	1	-
<b>K494IY012</b>	3 batteries AAA 1,5 V	1	-

Thermostat, flush-mounting installation.

Display with graphic icons combined with front buttons. Operating modes: comfort, economy, off/antifreeze.

Temperature adjustment range: 2+40 °C. EC certification.

### INFO

K494IY001, K494IY011: black color.  
K494IY002, K494IY012: white color.





# Thermoregulation - Wireless

## WIRELESS THERMOREGULATION SYSTEM FOR MANIFOLD DISTRIBUTION IN HEATING SYSTEMS

New wireless system for control of heating systems with manifold distribution and thermo-electric actuators. Especially suitable for renovation works where building works are not recommended for installation of connection cables between the thermostats and the distribution group. The system includes: control module for electro-thermal actuators, touchscreen for programming and display, one or multiple wall-mount wireless chronothermostats, temperature probe with safety thermostat function for delivery water. Do not install the system in areas subject to electromagnetic interferences or magnetic fields that may prevent proper communication between the thermostats and control unit. For more details on how to use the system, please contact our Technical Assistance service.

### PM100W

PRODUCT CODE	POWER SUPPLY		
PM100WY02	230 V	1	-



Wireless control unit, for heating systems.

Possibilities to control:

- N.16 zones of ambient temperature through K400Y002 chronothermostats;
- system circulator with safety thermostat function (if combined with the K563PY002 temperature probe);
- domestic hot water production managing (if combined with the K563PY002 temperature probe);

To be combined with KD400Y002 touch-screen display. EC certification.

### K400

PRODUCT CODE	POWER SUPPLY		
K400Y002	2 batteries AA 1,5 V	1	-



Wireless chronothermostat with display. To be combined with PM100WY02 control unit. Surface mounting. EC certification.

### KD400

PRODUCT CODE	POWER SUPPLY		
KD400Y002	Power supply from PM100WY02	1	-



Touch-screen display for programming, management and control of the PM100WY02 control unit.

Installation on wall or on the control unit. EC certification.

### K563P

PRODUCT CODE	POWER SUPPLY		
K563PY002	-	1	-



Temperature probe, passive type, with double possibilities of operation: safety thermostat or managing of domestic hot water. To be combined with PM100WY02 control unit.

## ERP DIRECTIVE

### TEMPERATURE CONTROL DEVICE CLASSIFICATION ACCORDING TO REG. (EU) N.811/2013 - 813/2013

ENERGY EFFICIENCY CLASS	ENERGY EFFICIENCY BENEFIT	TYPE OF DEVICE
Class I	+ 1%	Room thermostat ON/OFF
Class II	+ 2%	Thermoregulation control unit with modulating heating devices
Class III	+ 1,5%	Thermoregulation control unit for use with heating devices with ON/OFF outlet
Class IV	+ 2%	Room thermostat with TPI function, for use with heating devices with ON/OFF outlet
Class V	+ 3%	Modulating room thermostat for use with modulating heating devices
Class VI	+ 4%	Thermoregulation control unit and room sensor for use with modulating heating devices
Class VII	+ 3,5%	Thermoregulation control unit and room sensor for use with heating devices with ON/OFF outlet
Class VIII	+ 5%	Multiple-sensor room temperature control for use with modulating heating devices



### EXAMPLE OF ENERGY EFFICIENCY BENEFIT GUARANTEED BY TEMPERATURE CONTROL DEVICE



Heat generator with 95% energy efficiency

Ambient thermostat with TPI function



$$95\% + 2\% = 97\%$$

A+++	≤ 150%
A++	< 150%
A+	< 125%
A	< 98%
B	< 90%

SYSTEM ENERGETIC CLASS

A

Thermoregulation module with room temperature probe

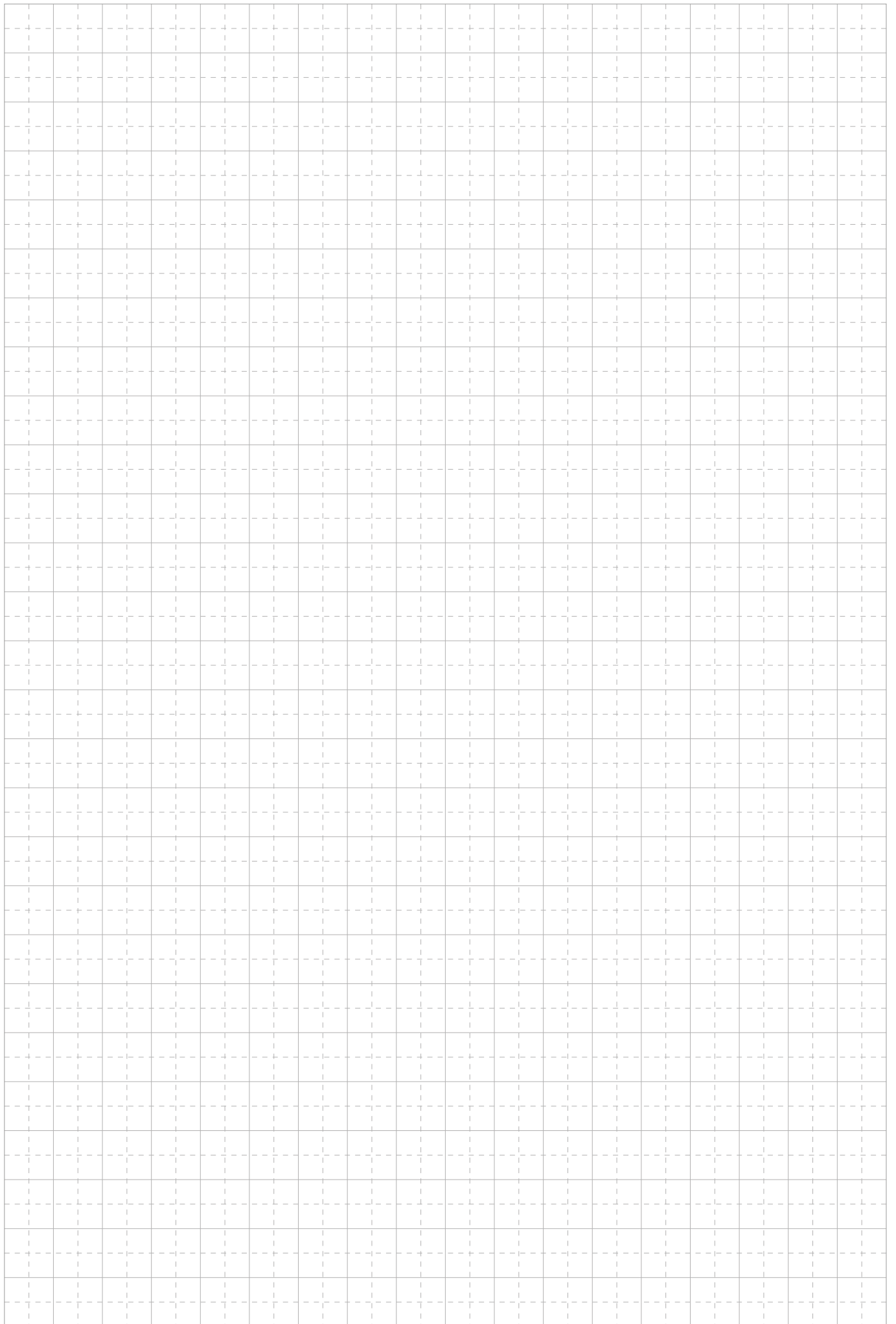


$$95\% + 3,5\% = 98,5\%$$

A+++	≤ 150%
A++	< 150%
A+	< 125%
A	< 98%
B	< 90%

SYSTEM ENERGETIC CLASS

A+



**Chapter 7** Modern buildings have to guarantee operating continuity, easy maintenance, and low management costs; that's why even heating systems have to offer optimum safety and reliability, and fully meet the legislative and prescriptive regulations.

To satisfy these needs beginning right in the heart of the system, the boiler room, we have a complete range of components for ensuring excellent control and energy efficiency.



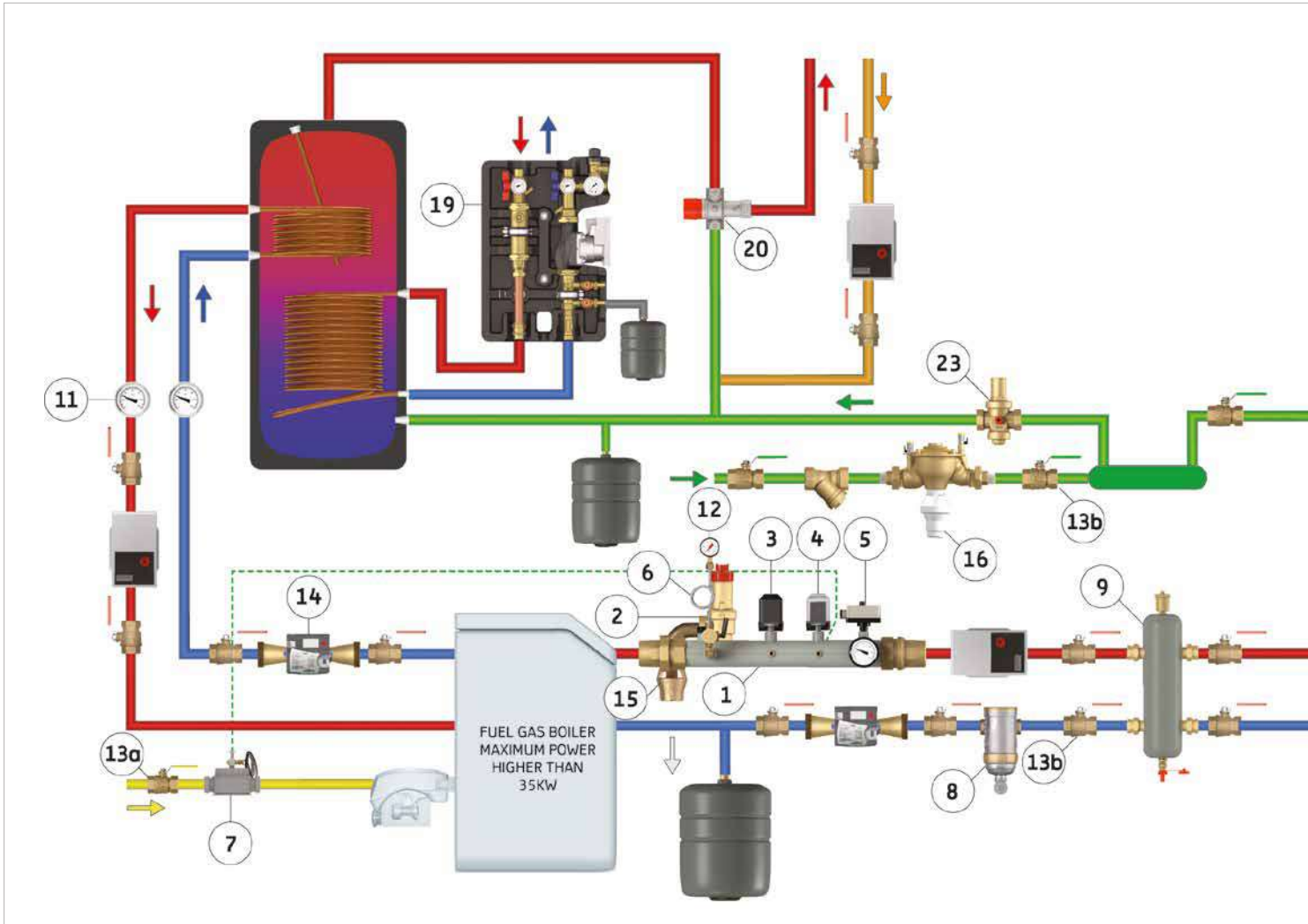
# Boiler room components

















## *Products*

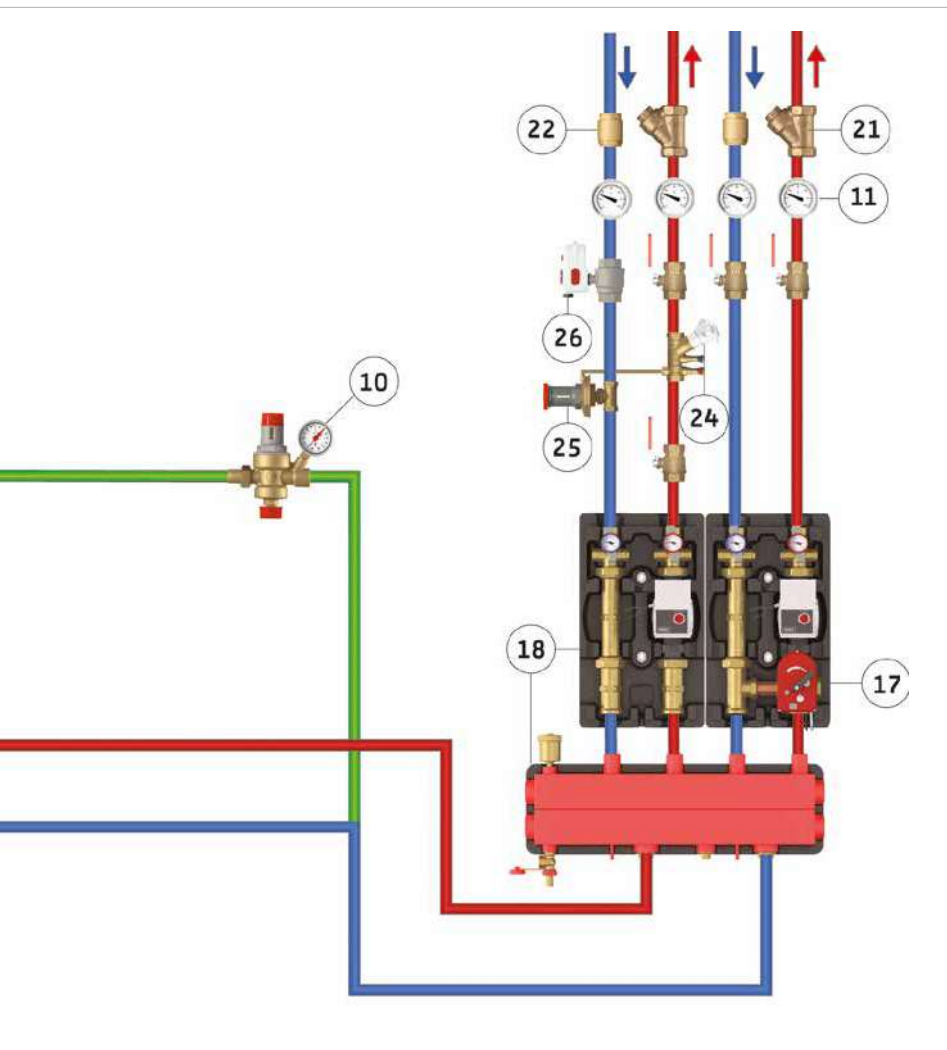
158	Balancing valves
162	Distribution units
164	Zone valves and mixing valves
170	Components for boiler room
177	Water controls
178	Components for biomass systems
179	Backflows, filters, check valves
180	Gate valves
181	Automatic air vent valves
182	Accessories for circulators
183	Oil filters
185	Components for solar thermal systems
186	Units for domestic hot water
186	Other components for solar thermal systems

188	<i>Technical and dimensional data</i>
-----	---------------------------------------

# Components for boiler room



- |   |   |  |  |  |   |   |  |
|---|---|--|--|--|---|---|--|
| <p><b>R555</b><br/> <b>THREADED OR FLANGED MANIFOLD R555</b></p>   <p>Threaded connection      Flanged connection</p> | <p><b>R140D</b>      page 170<br/> <b>SAFETY VALVE</b></p>                   | <p><b>K374</b>      page 175<br/> <b>PRESSURE SWITCHES</b></p>   | <p><b>R146I</b>      page 172<br/> <b>HYDRAULIC SEPARATOR WITH INSULATION</b></p>   <p>Threaded connection      Flanged connection</p> | <p><b>R150M</b>      page 176<br/> <b>AUTOMATIC FILLING UNIT</b></p>  | <p><b>R540I</b>      page 176<br/> <b>THERMOMETER</b></p>  | <p><b>R225I</b>      page 175<br/> <b>MANOMETER</b></p>  | <p><b>R950/R730G</b>      page 84<br/> <b>BALL VALVE FOR GAS</b></p>  |
| <p><b>R297/R296</b>      page 167-166<br/> <b>MIXING VALVE</b></p>   | <p><b>R586SEP/R586R</b>      page 163-162<br/> <b>CIRCULATION GROUP</b></p>  | <p><b>R586S</b>      page 185<br/> <b>CIRCULATION GROUP</b></p>   | <p><b>R156/R156-2</b>      page 177<br/> <b>THERMOSTATIC MIXER</b></p>   | <p><b>R74A</b>      page 179<br/> <b>Y-FILTER</b></p>               |   |   |  |



Modern buildings should offer work continuity, easy maintenance and low running costs; for this reason, boiler rooms characterized by high safety, reliable protection and total compliance with laws are required.

In order to satisfy these requests, Giacomini offers a complete range of boiler room components; with it, a single supplier can provide all you need for thermo-vector fluid and sanitary water distribution from central room to room terminals.

The application of the boiler room components shown in the figure is merely an example. The sizing of the components, and their positioning in the layout diagram, depends on the system configuration chosen during the design phase.

**K373I** page 175

THERMOSTAT



**R225I R228A R228I** page 175

R225I MANOMETER, R228A DAMPER, R228I 3-WAY MANOMETER HOLDER COCK



**N143**

FUEL SHUT-OFF VALVE



**R146D/R146M** page 171

DIRT SEPARATOR AND DEAERATOR GROUP



Threaded connection

Flanged connection

**R910-R950W** page 77-87

BALL VALVE FOR WATER



**GE552-1**

METERS FOR THERMAL HEATING



Threaded connection

Flanged connection

**R141** page 171

RELIEF FUNNEL



**R626** page 179

BACKFLOW PREVENTER



**R60** page 179

DISK CHECK VALVE



**R153C/P/M** page 177

PRESSURE REDUCING VALVES



**R206B** page 160

STATIC BALANCING VALVE



**R206C** page 161

DIFFERENTIAL PRESSURE CONTROL VALVE



**R276B** page 168

MOTORISED ZONE VALVE

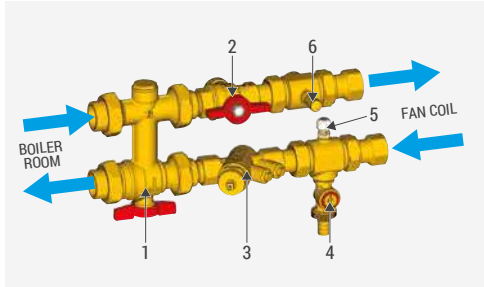


# Balancing valves

## R280K

PRODUCT CODE	SIZE		
R280KY003	1/2"F	1	-
R280KY004	3/4"F	1	-

### COMPONENTS



(1) Diverting ball valve to by-pass unit, (2) Ball valve with integrated filter, (3) Pressure-independent control valve (PICV), (4) Drain cock, (5) Manual air vent valve, (6) Probe holder.

### BENEFITS

- ✓ Reduction of manpower, installation time and costs on site
- ✓ Quick connection (only 4 connections required)
- ✓ Reduced need of a preassembly area
- ✓ One single kit for both heating and cooling
- ✓ Limitation of installation errors
- ✓ Prompt sizing (only two product codes)
- ✓ Limitation of planning errors



Compact preassembled kit for terminal units (fan coils, chilled beams or ceiling air conditioning systems).

The kit includes a diverting ball valve to by-pass the terminal unit, a full port ball valve with integrated filter, a pressure-independent control valve (PICV), a manual air vent valve and a drain cock.

The kit enables to set and maintain constant the flow rate when the differential pressure of the main circuit changes.

### INFO

Working flow rate

R280KY003: 37 - 575 l/h - R280KY004: 64 - 1110 l/h

PICV working pressure

R280KY003: 16 - 200 kPa - R280KY004: 30 - 400 kPa

Accessories and spare parts

K281EX001: thermo-electric actuator NC, ON/OFF. Power 230 Vac

K281EX002: thermo-electric actuator NC, ON/OFF. Power 24 Vac

K281X012: actuator 0=10 V. Power 24 V

K281X022: actuator ON/OFF. Power 24 V

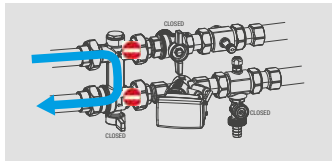
P206Y001: probe holder kit (n°2) for temperature and pressure measuring

R225EY001: differential pressure gauge

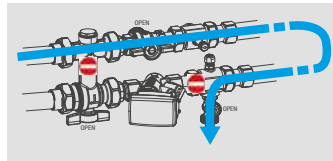
P206AMY001: spare cartridge for the PICV valve of R280KY003 kit

P206AMY002: spare cartridge for the PICV valve of R280KY004 kit

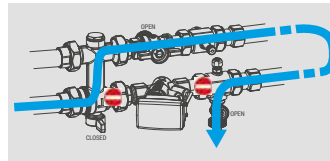
### KIT R280K ENABLES THE FOLLOWING OPERATIONS:



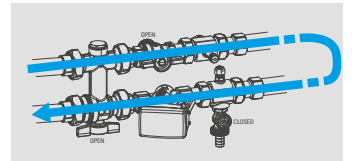
**SYSTEM FLUSHING / MAINTENANCE** The user can fully isolate the fan coil by closing the two ball valves, flush the system and carry out a chemical treatment if desired, preventing debris from entering the fan coil and the pressure-independent control valve (PICV). This setting also enables to clean the filter integrated in the delivery ball valve.



**FAN COIL FLUSHING WITH DELIVERY CIRCUIT FLOW** Ball valves and drain cock open. This setting enables to flush the kit components and prevents debris from entering the pressure-independent control valve (PICV).



**FAN COIL FLUSHING WITH RETURN CIRCUIT FLOW** Ball valve on return circuit closed, ball valve on delivery circuit and drain cock both open.



**NORMAL OPERATION** Ball valves open and drain cock closed.

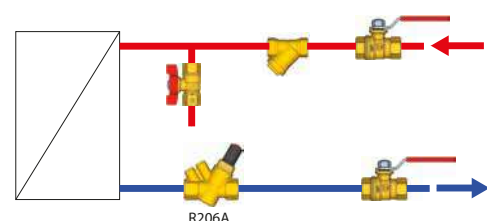
## R206A

PRODUCT CODE	SIZE		
R206AY013	1/2"	1	-
R206AY014	3/4"	1	-
R206AY015	1"	1	-
R206AY016	1 1/4"	1	-
R206AY017	1 1/2"	1	-
R206AY018	2"	1	-

### REDUCED FLOW RATE

PRODUCT CODE	SIZE		
R206AY033	1/2"	1	-
R206AY034	3/4"	1	-

### INSTALLATION



Dynamic balancing valve, with integrated cartridge for stabilizing the flow rate. Brass body with female-female connections and predisposition for the connection of probe holder.

Polymer cartridge, possibly replaceable, equipped with double indicator for the precise adjustment of the flow rate.

Maximum working temperature: 120 °C.

Maximum working pressure: 25 bar.

### INFO

Accessories

- P206A: spare part cartridges.

- P206Y001: probe holder.

- R225EY001: differential manometer.

### BENEFITS

- ✓ The perfect solution for constant flow-rate plants
- ✓ Wide range of flow-rates

# R206AM

PRODUCT CODE	SIZE		
R206AY053	1/2"	1	-
R206AY054	3/4"	1	-
R206AY055	1" - low flow	1	-
R206AY065	1"	1	-
R206AY056	1 1/4"	1	-
R206AY057	1 1/2"	1	-
R206AY058	2"	1	-



### ☺ BENEFITS

- ✓ Combines multiple functions in one single product
- ✓ Automatic flow-rate control with proportional actuator
- ✓ Replaceable polymer cartridge with dual indicator

Pressure independent control valve (PICV) that combines an automatic flow rate regulator and a control valve with actuator. Brass body with female-female connections and predisposition for the connection of probe holder.

Polymer cartridge, possibly replaceable.

Flow rate is adjusted in two different ways:

- manually on the automatic flow rate regulator, to restrict the maximum value;
- automatically by the control valve in combination with a proportional 0÷10 V or ON/OFF actuator, in accordance with the thermal load requirements of the section of the circuit to be controlled.

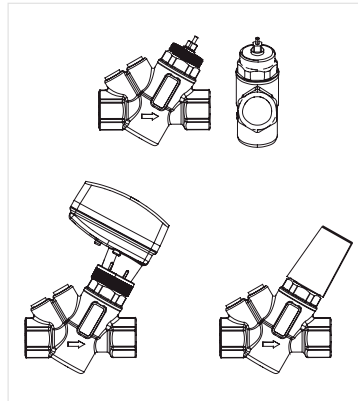
### 📄 INFO

#### Accessories

- K281EX001: thermo-electric actuator normally closed, ON/OFF, power supply 230 Vac, 50/60 Hz, for valves R206AY053, R206AY054, R206AY055, valve connection M30 x 1,5 mm.
- K281EX002: thermo-electric actuator normally closed, ON/OFF, power supply 24 Vac, 50/60 Hz, for valves R206AY053, R206AY054, R206AY055, valve connection M30 x 1,5 mm.
- K281X022: actuator 24 V, ON/OFF, for valves R206AY053, R206AY054, R206AY055, valve connection M30 x 1,5 mm.
- K281X012: actuator 24 V, 0÷10 V, for valves R206AY053, R206AY054, R206AY055, valve connection M30 x 1,5 mm.
- K281X032: actuator 24 V, 0÷10 V, for valves R206AY065, R206AY056, valve connection M30 x 1,5 mm.
- K281X042: actuator 24 V, 0÷10 V, for valves R206AY057, R206AY058, valve connection M30 x 1,5 mm.
- P206AM: spare part cartridges.
- P206Y001: probe holder.
- R225EY001: differential pressure gauge.

### SETTING ADJUSTMENT

To set the valve according to the desired flow rate, using a 8 mm wrench, rotate the stem valve clockwise to decrease the setting; counterclockwise to increase the setting.



											
	K281EX001 ON/OFF 230 V	K281EX002 ON/OFF 24 V	K281X012 0-10 24 V	K281X022 ON/OFF 24 V	K281X032 0-10 24 V	K281X042 0-10 24 V	P206Y001	R225EY001	P206AMY001	P206AMY002	P206AMY003
R206AY053	✓	✓	✓	✓			✓	✓	✓		
R206AY054	✓	✓	✓	✓			✓	✓		✓	
R206AY055	✓	✓	✓	✓			✓	✓		✓	
R206AY065					✓		✓	✓			✓
R206AY056					✓		✓	✓			✓
R206AY057						✓	✓	✓			
R206AY058						✓	✓	✓			

## K281

PRODUCT CODE	POWER SUPPLY		
K281X012	24 V - 0-10 V	1	-
K281X022	24 V - 3 point floating	1	-
K281X032	24 V - 0-10 V	1	-
K281X042	24 V - 0-10 V	1	-



Actuator for R298 or R298N mixing valves and R206AM PICV.

Operation in combination with Giacomini thermoregulation.

M30 x 1,5 mm connection.

### 📄 INFO

- K281X012: actuator for valves R298, R298N, R206AY053, R206AY054, R206AY055. Power supply 24 V. Version 0÷10 V.
- K281X022: actuator for valves R298, R298N, R206AY053, R206AY054, R206AY055. Power supply 24 V. Version ON/OFF.
- K281X032: actuator for valves R206AY056. Power supply 24 V; 50/60 Hz. Version 0÷10 V. 5 VA. UL approved.
- K281X042: actuator for valves R206AY057, R206AY058. Power supply 24 V; 50/60 Hz. Version 0÷10 V. 7 VA. UL approved.

## K281E

PRODUCT CODE	POWER SUPPLY		
K281EX001	230 V	1	-
K281EX002	24 V	1	-



Thermo-electric actuator, normally closed, ON/OFF type.

Suitable to command the R206AM pressure independent control valve (PICV).

Cable length 1 m. M30 x 1,5 mm connection.

## P206AM

PRODUCT CODE	SIZE		
P206AMY001	for R206AMY053	1	-
P206AMY002	for R206AMY054, R206AMY055	1	-
P206AMY003	for R206AMY065, R206AMY056	1	-



Spare part cartridge for R206AM and R280K.



## R206B

PRODUCT CODE	SIZE		
R206BY003	1/2"	1	-
R206BY004	3/4"	1	-
R206BY005	1"	1	-
R206BY006	1 1/4"	1	-
R206BY007	1 1/2"	1	-
R206BY008	2"	1	-
R206BY013	1/2" *	1	-
R206BY014	3/4" *	1	-
R206BY015	1" *	1	-
R206BY016	1 1/4" *	1	-
R206BY017	1 1/2" *	1	-
R206BY018	2" *	1	-



VIDEO TUTORIAL

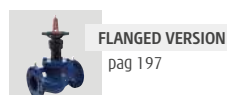
Static balancing valve with fixed orifice (Venturi principle). Brass body with female-female connections and 1/4" F connection for differential pressure controller capillary pipe. Available in version with or without probe holders to connect the differential pressure gauge for differential pressure measurement.

### INFO

\* Without probe holders.

Accessories

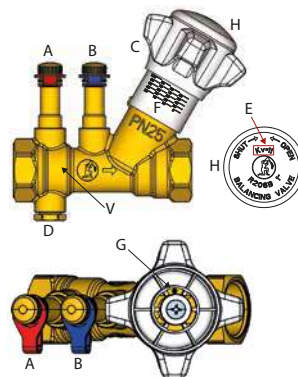
- P206Y001: probe holder.
- R225EY001: differential manometer.



### BENEFITS

- ✓ Fix orifice
- ✓ DZR brass body
- ✓ Opening control through mechanical-memory mechanism

(A) High pressure probe, (B) Low pressure probe  
(C) Handwheel, (D) Drain 1/4" F, (E) Kv of the Venturi flow meter, (F) Scale for 0÷100 % setting (20 positions), (G) Presetting screw (limiting the stroke)  
(H) Removable head (for presetting) with imprinted the Venturi Kv, (V) Venturi flow meter.



## R206B-1

PRODUCT CODE	SIZE		
R206BY113	1/2"	1	25
R206BY114	3/4"	1	25
R206BY115	1"	1	25

Compact static balancing valve. Brass body with female-female connections and 1/4" F connection for differential pressure controller capillary pipe.

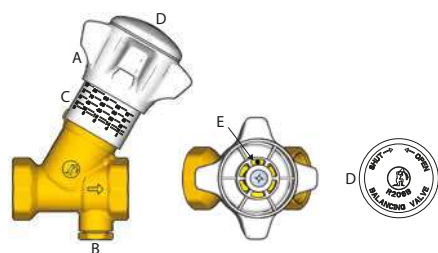
Maximum working temperature: 110 °C

Maximum working pressure: 25 bar



### BENEFITS

- ✓ Extremely compact
- ✓ Opening control through mechanical-memory mechanism



(A) Handwheel, (B) 1/4" F connection for differential pressure controller capillary, (C) Presetting scale 0÷100 % (25 position), (D) Removable cap (to carry out the limitation of the opening stroke), (E) Locking screw (limits the opening stroke to the desired value).

## P206

PRODUCT CODE	SIZE		
P206Y001	1/4"	1	-

Probe holder for pressure outlets, to measure the flow rate in the balancing valves. Suitable for pressure outlets with needle Ø3 mm and length 30÷40 mm.



## P225E

PRODUCT CODE	SIZE		
P225EY001	Needle Ø 3 mm	1	-

Couple of valves for R225E pressure gauge, equipped with Ø 3 mm needle for measuring the pressure/flow rate through the pressure outlets of R206B static balancing valves.



## R225E

PRODUCT CODE	SIZE		
R225EY001	-10÷20 bar	1	-

Differential pressure gauge to measure the differential pressure and flow rate calculation for balancing plumbing systems.

Battery powered (2 x AA).

Equipped with two needle probes M10x1 mm.

Measuring range of differential pressure:

-10÷20 bar.

Fluid temperature: -5÷90 °C.



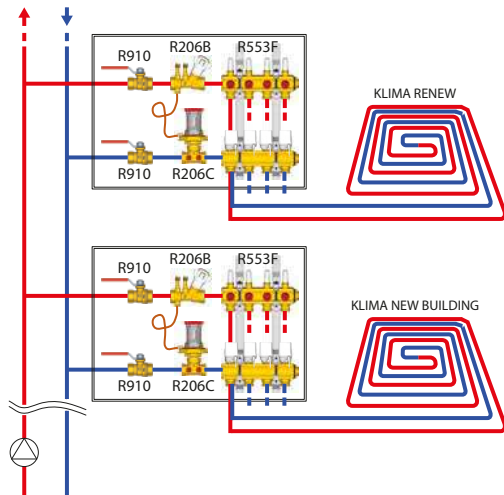
# R206C

PRODUCT CODE	SIZE		
<b>R206CY103</b>	DN15 - 1/2" - Kv 2,24	1	8
<b>R206CY104</b>	DN20 - 3/4" - Kv 3,49	1	8
<b>R206CY105</b>	DN25 - 1" - Kv 5,92	1	8
<b>R206CY106</b>	DN32 - 1 1/4" - Kv 6,95	1	6
<b>R206CY107</b>	DN40 - 1 1/2" - Kv 11,72	1	6
<b>R206CY108</b>	DN50 - 2" - Kv 12,97	1	6



Differential pressure controller, equipped with a copper capillary pipe 1 m lenght.  
Nominal differential pressure adjusted from 5÷30 KPa in "Low" modality or from 25÷60 KPa in "High" modality.

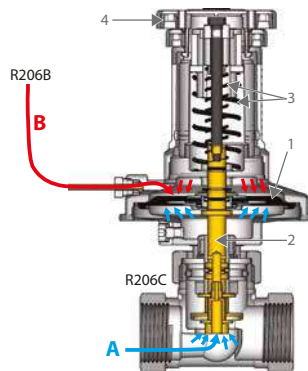
## EXAMPLE OF APPLICATION WITH RADIANT FLOOR SYSTEMS



VIDEO TUTORIAL

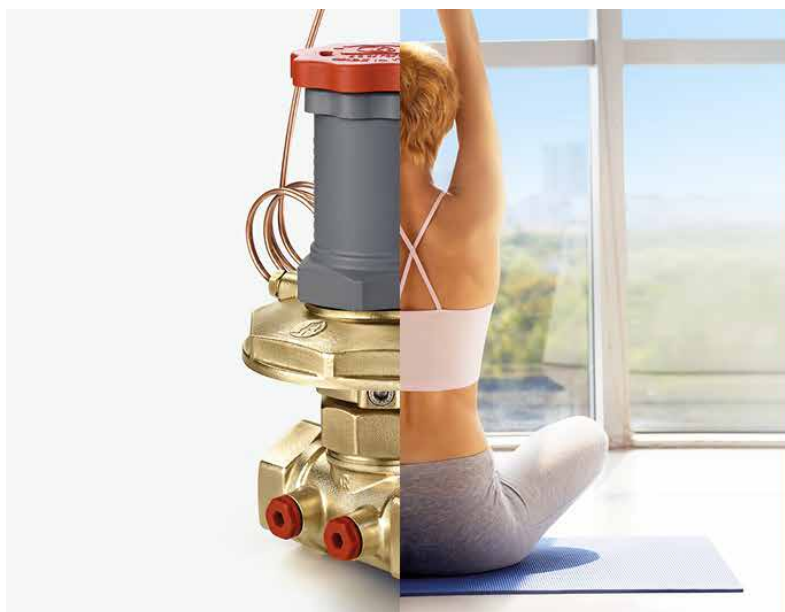
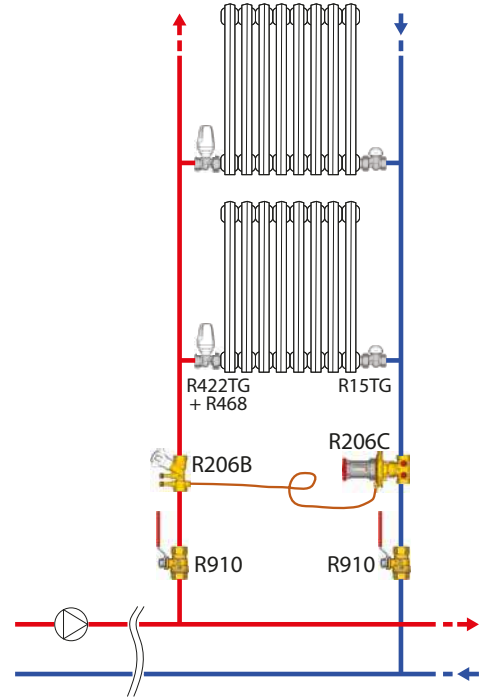
### ☺ BENEFITS

- ✓ Exclusive dual control range selection: (5-30 kPa) and 25-60 kPa
- ✓ Control of high flow-rates
- ✓ CR brass body



(A) Return piping water pressure, (B) Delivery piping water pressure, through capillary pipe.  
(1) Elastic membrane, (2) Stopper, (3) Double spring, (4) Adjustment knob.

## EXAMPLE OF APPLICATION WITH RISING PIPE RADIATOR SYSTEMS



# A piece of life.

## NEW GIACOMINI R206C. PERFECT BALANCE.



## Distribution units

### R586R

#### WITH CIRCULATOR



PRODUCT CODE	SIZE	APPLICATION	OUTPUTS REVERSIBILITY	☐	☒
<b>R586RY101</b>	1 1/2" M x 1" F - NO mixing valve	Heating/Cooling	Yes	1	-
<b>R586RY102</b>	1 1/2" M x 1" F - Mix. valve(R296)	Heating/Cooling	Yes	1	-
<b>R586RY103</b>	1 1/2" M x 1" F - Mix. valve(R297)	Heating/Cooling	No	1	-
<b>R586RY104</b>	1 1/2" M x 1" F - Thermostatic mix	Heating	Yes	1	-

#### WITHOUT CIRCULATOR



PRODUCT CODE	SIZE	APPLICATION	OUTPUTS REVERSIBILITY	☐	☒
<b>R586RY111</b>	1 1/2" M x 1" F - NO mixing valve	Heating/Cooling	Yes	1	-
<b>R586RY112</b>	1 1/2" M x 1" F - Mix. valve(R296)	Heating/Cooling	Yes	1	-
<b>R586RY113</b>	1 1/2" M x 1" F - Mix. valve(R297)	Heating/Cooling	No	1	-
<b>R586RY114</b>	1 1/2" M x 1" F - Thermostatic mix	Heating	Yes	1	-

Distribution units to control heating and cooling for one zone of the system (R586RY104-114 for heating only).

System side connection 1" F ISO228.

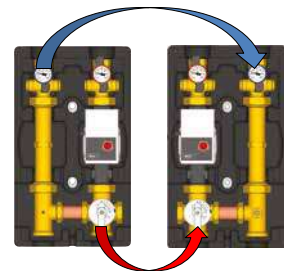
Boiler side connection 1 1/2" M ISO228.

Delivery and return outputs centre distance 125 mm.

Reversible delivery and return outputs (except R586RY103-113).

Complete with interception ball valves with thermometers (0÷120 °C scale), check valve on return output, insulation and wall-mount plate.

#### DELIVERY/RETURN OUTPUTS REVERSIBILITY



#### INFO

##### OPTIONAL COMPONENTS

- K275Y002: actuator with integrated constant temperature regulator (for R586RY102-112-103-113).
  - K275Y013: actuator with 0-10 V regulation controllable with KLIMABus thermoregulation (for R586RY102-112-103-113).
  - R284Y021: differential by-pass kit.
  - R252Y001: shut-off ball valve 1" F x nut 1 1/2" F, for installation upstream the distribution unit.
  - KLIMABus thermoregulation: KLIMABus thermoregulation components (regulation unit, thermostats, ambient probes, etc.)
- COMPATIBLE CIRCULATORS (for circulator-free units)
- Wilo Yonos Para, 180 mm centre distance
  - Grundfos Alpha series, 180 mm centre distance

### R554E

PRODUCT CODE	SIZE	☐	☒
<b>R554EY001</b>	1"	1	10

Safety unit for closed heating system. It consists of: 551E brass bar, R88I automatic air vent with shut off valve, R140R relief valve, R225 pressure gauge 0÷4 bar, R608D filling valve.



### R554P

PRODUCT CODE	SIZE	☐	☒
<b>R554PY005</b>	1"	1	10

Safety valve unit with provision for pressure switch, for sealed heating system, furnace power up to 35 KW. It consists of: R551E brass body, R88I automatic air vent with shut off valve, R140R pressure relief valve 3 bar, R225 pressure gauge 0÷4 bar, 1/4" connection for switch.



### R554F

PRODUCT CODE	SIZE	☐	☒
<b>R554FY001</b>	1"	1	10

Safety unit for closed heating system. It consists of: R551E brass bar, R88I automatic air vent with shut off valve, R140R relief valve, R225 pressure gauge 0÷4 bar.



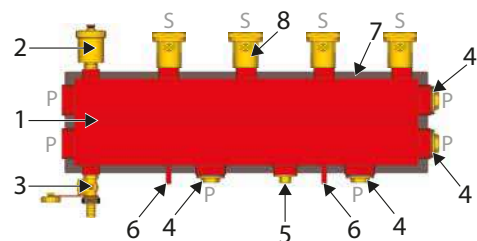
## R586SEP

PRODUCT CODE	SIZE		
<b>R586SEY02</b>	11/4"F x 1"M (2 outputs)	1	-
<b>R586SEY03</b>	11/4"F x 1"M (3 outputs)	1	-

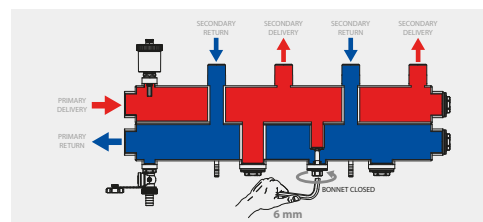
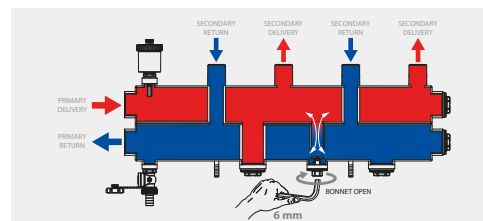


Multifunction boiler room manifold, steel made, with hydraulic separator function and connections for primary and secondary circuits. Equipped with automatic air vent valve, drain cock and insulation shell.

Possibility to install N.2 R586R for every R586SEP (max. 2 R586SEP in series installation).



(P) Primary side outputs, (S) Secondary side outputs.  
 (1) Manifold body, (2) Automatic air vent valve, (3) Drain tap,  
 (4) Brass caps, 1 1/4"F; (5) Bonnet for hydraulic separator function,  
 (6) Threaded pins for bracket installation, (7) Insulation,  
 (8) R252 interception valves or R37K tail pieces.



## R19DL

PRODUCT CODE	SIZE		
<b>R19DY016</b>	11/4"	2	20

Angle fitting in three pieces with flat seat and self-sealing at male thread.



## R284-1

PRODUCT CODE	SIZE		
<b>R284Y021</b>	26/19	1	30

Differential by-pass kit to protect the circulator of R586R units. The kit includes a brass spacer with integrated check valve calibrated at a fix value of 5 mH<sub>2</sub>O, two nuts to be screwed on the interception valves and two PTFE gaskets.



## R20DL

PRODUCT CODE	SIZE		
<b>R20DY016</b>	11/4"	2	20

Three pieces adaptor with self-sealing.



## R147N

PRODUCT CODE	SIZE		
<b>R147NY004</b>	3/4" x 3/4"	1	25

Differential pressure valve to be installed on heating system with thermostatic valves.



## R588SEP
























PRODUCT CODE	SIZE		
<b>R588SEY01</b>	-	1	-

Pair of brackets for wall installation of R586SEP boiler room manifold. Equipped with washers and M8 nuts.



# ➤ Zone valves and mixing valves

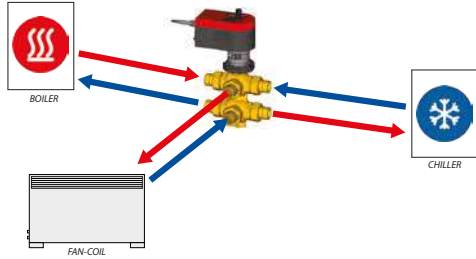
MIXING VALVE - ACTUATOR COMPATIBILITY TABLE

	K275	K275-1	K274	K281	K282	K274J	K274-2	K272	K270	R473	R473M
											
R297 	✓	✓									
R298 				✓	✓						
R298N 				✓	✓						
R296 	✓	✓	✓								
K297 						✓					
R274N 							✓				
R276 								✓	✓		
R277 								✓	✓		
R278 								✓	✓		
R279 								✓	✓		
R291 										✓	✓
R292 										✓	✓

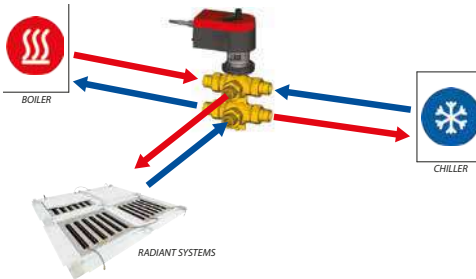
# R274N

PRODUCT CODE	SIZE	QTY	UNIT
<b>R274Y033</b>	1/2" ISO228	1	20
<b>R274Y133</b>	1/2" ISO228 (DZR brass)	1	20
<b>R274Y045</b>	1" ISO228	1	10
<b>R274Y145</b>	1" ISO228 (DZR brass)	1	10

## OPERATING DIAGRAM WITH FAN-COIL UNIT



## OPERATING DIAGRAM WITH RADIANT SYSTEMS



VIDEO TUTORIAL

Six-way zone valve with male threaded connections.

For use in applications on four pipes systems, where heating and cooling must be available simultaneously.

The typical installation is on ceiling, underfloor and fan-coil systems, but are not excluded other applications.

Temperature range: 5÷90 °C.

Nominal pressure: 10 bar.

Valve closed with stem in 45° position.

### INFO

- Optional for R274Y033, R274Y133 (1/2"):
  - K274-2: actuator 24 Vac/dc (0-10 V).
  - P215Y001-P215Y006: calibrated washers to control the loss of pressure.
  - RM179Y053, RM179Y056, P15FY013, P15Y018: fittings to connect the system pipes.
  - R274WY002: insulation.
 Optional for R274Y045, R274Y145 (1"):
  - K274-2: actuator 24 Vac/dc (0-10 V).
  - P215Y011-P215Y018: calibrated washers to control the loss of pressure.
  - RM179Y073, RM179Y074, R252Y003, RM252Y004, R252Y023, R252Y025, P15Y015, P15Y016, P15Y017: fittings to connect the system pipes.
  - R274WY001: insulation.

### OVERPRESSURE PROTECTION SYSTEM

When using the six-way valve for combined heating/cooling applications (radiant ceilings, fan-coil), the fluid inside the user circuit may become completely isolated when the valve is in the closed position (no heating or cooling).

The pressure of the trapped fluid inside the user circuit may then increase or decrease due to changes in temperature of the fluid caused by the ambient temperature.

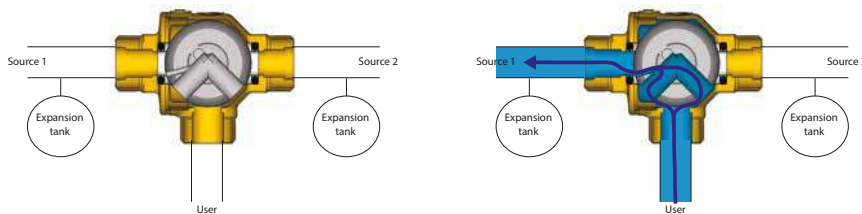
The six-way valve is equipped with integrated protection against overpressure, and is designed to compensate for such pressure variations.

The upper ball of the valve has a small hole in its interior which maintains the connection of the "user" with the "source 1", even when the valve is closed (stem position 45°).

The combined action of the two balls (upper and lower) prevents the circulation of fluid when the valve is in the closed position.

The overpressure protection system does not compromise hydraulic separation between the two circuits (source 1 and source 2): the two hydraulic circuits remain separate.

### OVERPRESSURE PROTECTION SYSTEM



### TAILPIECE R274Y033 - R274Y133

P15FY013	P15Y018	RM179Y053	RM179Y056
1/2"F x 1/2"F (couple)	1/2"F x 1/2"M (couple)	1/2"F x 16 x 2	1/2"F x 20 x 2

### TAILPIECE R274Y045 - R274Y145

P15Y015	P15Y016	P15Y017	RM179Y073	RM179Y074	R252Y023	R252Y025	RM252Y003	RM252Y004
1"F x 1/2"M (couple)	1"F x 3/4"M (couple)	1"F x 1"M (couple)	1" x 26 x 3	1" x 32 x 3	1/2"M x 1"F	1"F x 1/2"F x 18	1"F x 16 x 2	1"F x 20 x 2

## P21S

### FOR R274N SIZE 1/2"

PRODUCT CODE	SIZE	☐	⊞
P21SY001	Ø2,7 mm - Kv 0,25	1	5
P21SY002	Ø3,5 mm - Kv 0,40	1	5
P21SY003	Ø4,5 mm - Kv 0,65	1	5
P21SY004	Ø6,0 mm - Kv 1,00	1	5
P21SY005	Ø7,0 mm - Kv 1,30	1	5
P21SY006	Ø8,0 mm - Kv 1,60	1	5

### FOR R274N SIZE 1"

PRODUCT CODE	SIZE	☐	⊞
P21SY011	Ø3,0 mm - Kv 0,25	1	5
P21SY012	Ø4,0 mm - Kv 0,40	1	5
P21SY013	Ø4,5 mm - Kv 0,65	1	5
P21SY014	Ø5,8 mm - Kv 1,00	1	5
P21SY015	Ø6,7 mm - Kv 1,30	1	5
P21SY016	Ø7,5 mm - Kv 1,60	1	5
P21SY017	Ø9,0 mm - Kv 2,50	1	5
P21SY018	Ø12,7 mm - Kv 3,45	1	5

Calibrated washers with seeger ring, for balancing the Kv of R274N six-way zone valves.

#### ⓘ INFO

Order N°2 calibrated washers for every six-way valve.



## K274-2

PRODUCT CODE	POWER SUPPLY	☐	⊞
K274Y052	24 V - 0-10 V (CE, UL)	1	-

Actuator for R274N six-way zone valve. Automatic or manual operation by handwheel. Power supply 24 V - 0-10 V.

#### ⓘ INFO

CE and UL certifications.



## R274W

PRODUCT CODE	SIZE	☐	⊞
R274WY001	1"	1	-
R274WY002	1/2"	1	-

Insulation made of cross-linked polyethylene foam, for R274N six-way zone valves.



## P15M

PRODUCT CODE	SIZE	☐	⊞
P15Y018	1/2" F x 1/2" M	5	50
P15Y015	1" F x 1/2" M	10	50
P15Y016	1" F x 3/4" M	10	50
P15Y017	1" F x 1" M	5	50

Couple of brass tail pieces, male threaded, with nut and gasket, for the connection of R274N six-way zone valves.



## P15F

PRODUCT CODE	SIZE	☐	⊞
P15FY013	1/2" F x 1/2" F	5	50
P15FY005	1" F x 1" F	1	50

Couple of brass tail pieces, female threaded, with nut and gasket, for the connection of R274N six-way zone valves.



## R252-1

PRODUCT CODE	SIZE	☐	⊞
R252Y023	1/2" M x 1" F	4	40
R252Y025	18 x 1" F	4	40
RM252Y003	(RM16 x 2) x 1" F	4	40
RM252Y004	(RM20 x 2) x 1" F	4	40

Ball valves with nut and gaskets.



## R295

PRODUCT CODE	SIZE	☐	⊞
R295Y001	1 1/2"	1	10

Four-way mixing valve male-female connections. Centre distance: 120 mm.

#### ⓘ INFO

To be completed with K274 or K275 actuator.



## R296

PRODUCT CODE	SIZE	☐	⊞
R296Y001	1 1/2"	1	-

Three-way mixing valve male-female connections. Centre distance: 120 mm.

#### ⓘ INFO

To be completed with K274, K275 or K275-1 actuator.



## R197P

PRODUCT CODE	SIZE	☐	⊞
R197PY001	1 1/4" x 1 1/2"	10	100

Fitting for horizontal installation of R295, R296 mixing valves.



## K274

PRODUCT CODE	POWER SUPPLY	☐	⊞
K274Y101	230 V - 3-point floating	1	-
K274Y102	24 V - 3-point floating	1	-

Actuator for R295, R296 mixing valves. Possibility of automatic command in combination with Giacomini thermoregulation.



## K275

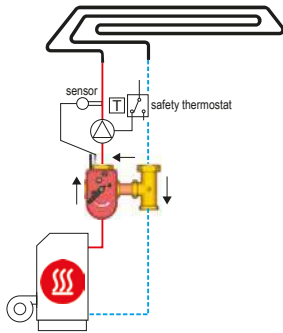
PRODUCT CODE	POWER SUPPLY	☐	☒
<b>K275Y002</b>	24 V / 230 V	1	-
<b>ACCESSORIES FOR R297 FLANGED VALVES</b>			
PRODUCT CODE	SIZE	☐	☒
<b>P275Y001</b>	Kit for R297 flanged valves	1	-

Actuator with integrated regulator for R295, R296 or R297 mixing valves.

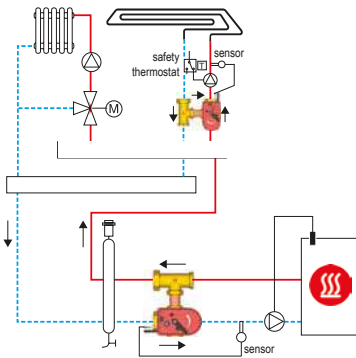
### INFO

P275Y001: installation kit for R297 flanged valves.

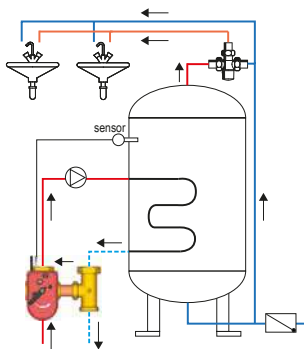
### OPERATION EXAMPLES - K275



Underfloor heating  
Maintain a constant temperature of heating water. The installation of a safety thermostat is recommended.



Radiator and underfloor radiant systems  
Maintain a constant return flow water temperature (protection against condensation in solid fuel boiler) and constant temperature in the heating system.



Tank to heat the drinking water  
Maintain a constant water temperature inside the hot water tank.

## K275-1

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>K275Y011</b>	230 V - 3-point floating	1	-
<b>K275Y013</b>	24 V - 0-10 V	1	-
<b>ACCESSORIES FOR R297 FLANGED VALVES</b>			
PRODUCT CODE	SIZE	☐	☒
<b>P275Y001</b>	Kit for R297 flanged valves	1	-

Actuator for R296 or R297 mixing valves.

### INFO

P275Y001: installation kit for R297 flanged valves.



## R297

### THREADED CONNECTIONS

PRODUCT CODE	SIZE	☐	☒
<b>R297Y004</b>	3/4"	1	-
<b>R297Y005</b>	1"	1	-
<b>R297Y006</b>	1 1/4"	1	-
<b>R297Y007</b>	1 1/2"	1	-
<b>R297Y008</b>	2"	1	-

### FLANGED CONNECTIONS

PRODUCT CODE	SIZE	☐	☒
<b>R297Y105</b>	DN50	1	-
<b>R297Y106</b>	DN65	1	-
<b>R297Y108</b>	DN80	1	-
<b>R297Y110</b>	DN100	1	-
<b>R297Y112</b>	DN125	1	-

Sector mixing valve female-female threaded or flanged connections.

Threaded versions made of brass; flanged versions made of cast iron.

### INFO

To be completed with K275 or K275-1 actuator.

To install the K275 or K275-1 actuators on flanged version valves, it is necessary to order the installation kit P275Y001.



## R298

PRODUCT CODE	SIZE	☐	☒
<b>R298Y027</b>	1 1/2"	1	-

Three-way mixing valve male-female flat seat connections. Centre distance: 120 mm. M30 x 1,5 mm actuator connection.

### INFO

To be completed with K281 or K282 actuator.



## R298N

PRODUCT CODE	SIZE	☐	☒
<b>R298Y024</b>	3/4"	1	-

Three-way mixing valve female-female connections. M30 x 1,5 mm actuator connection.

### INFO

To be completed with K281 or K282 actuator.



## K281

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>K281X012</b>	24 V - 0-10 V	1	-
<b>K281X022</b>	24 V - 3 point floating	1	-
<b>K281X032</b>	24 V - 0-10 V	1	-
<b>K281X042</b>	24 V - 0-10 V	1	-

Actuator for R298 or R298N mixing valves and R206AM PICV. Operation in combination with Giacomini thermoregulation. M30 x 1,5 mm connection.

### INFO

- K281X012: actuator for valves R298, R298N, R206AY053, R206AY054, R206AY055. Power supply 24 V. Version 0-10 V.
- K281X022: actuator for valves R298, R298N, R206AY053, R206AY054, R206AY055. Power supply 24 V. Version ON/OFF.
- K281X032: actuator for valves R206AY056. Power supply 24 V; 50/60 Hz. Version 0-10 V. 5 VA. UL approved.
- K281X042: actuator for valves R206AY057, R206AY058. Power supply 24 V; 50/60 Hz. Version 0-10 V. 7 VA. UL approved.





## K282

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>K282X022</b>	24 V - 3 point floating	1	-

Actuator for R298 or R298N mixing valves. With integrated delivery temperature probe and electronic regulator. M30 x 1.5 mm connection.



## K297

PRODUCT CODE	SIZE	☐	☒
<b>K297Y004</b>	DN20 - Kv 6,3	1	-
<b>K297Y005</b>	DN25 - Kv 10	1	-
<b>K297Y006</b>	DN32 - Kv 16	1	-
<b>K297Y007</b>	DN40 - Kv 25	1	-
<b>K297Y008</b>	DN50 - Kv 40	1	-

Three-way mixing valve with female-female connections, made of bronze.

### INFO

To be completed with K274J actuator.



## K297R

PRODUCT CODE	SIZE	☐	☒
<b>K297RY016</b>	1 1/4" - Kv 16	1	-

Mixing unit with K297 three-way mixing valve, with insulation. To use in combination with R586R, R586I units.

### INFO

To be completed with K274J actuator.



## K274J

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>K274Y022</b>	24 V - 3 point floating	1	-
<b>K274Y042</b>	24 V - 0-10 V	1	-

Actuator for K297 mixing valve. Possibility of automatic command in combination with Giacomini thermoregulation.



## R276

PRODUCT CODE	SIZE	☐	☒
<b>R276Y004</b>	3/4"	1	25
<b>R276Y005</b>	1"	1	25

Two-way zone valve with female-female connections.

### INFO

To be completed with K270 or K272 actuator.



## R277

PRODUCT CODE	SIZE	☐	☒
<b>R277Y004</b>	3/4"	1	25
<b>R277Y025</b>	1"	1	10

Two-way zone valve with male-male connections with tail pieces.

### INFO

To be completed with K270 or K272 actuator.



## R278

PRODUCT CODE	SIZE	☐	☒
<b>R278Y004</b>	3/4"	1	10
<b>R278Y005</b>	1"	1	10

Three-way zone valve with male-male connections with tail pieces, by-pass and lockshield for adjustment.

### INFO

To be completed with K270 or K272 actuator.



## R279

PRODUCT CODE	SIZE	☐	☒
<b>R279Y004</b>	3/4"	1	25
<b>R279Y005</b>	1"	1	10

Three-way zone valve with female-female connections, with lockshield for adjustment.

### INFO

To be completed with K270 or K272 actuator.



## R279D

PRODUCT CODE	SIZE	☐	☒
<b>R279DY024</b>	3/4"	1	-
<b>R279DY025</b>	1"	1	-

Three-way diverting valve with female-female connections.

### INFO

To be completed with K270 or K272 actuator.



## R276B

PRODUCT CODE	SIZE	☐	☒
<b>R276BX006</b>	1 1/4" - 230 V	1	-
<b>R276BX007</b>	1 1/2" - 230 V	1	-
<b>R276BX008</b>	2" - 230 V	1	-
<b>R276BX026</b>	1 1/4" - 24 V	1	-
<b>R276BX027</b>	1 1/2" - 24 V	1	-
<b>R276BX028</b>	2" - 24 V	1	-

Two-way zone valve with female-female connections, with K272 actuator and insulation included.

## K270

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>K270Y101</b>	230 V	1	-
<b>K270Y102</b>	24 V	1	-

Actuator for R276, R277, R278, R279 zone valves and R279D diverting valve. With stroke-end microswitch. 90° rotation in around 40 seconds.



## P15E

PRODUCT CODE	SIZE	☐	☒
<b>P15EY004</b>	1" x 3/4"	1	15
<b>P15EY005</b>	1" x 1"	1	15

Eccentric tail piece.



## K272

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>K272Y101</b>	230 V	1	-
<b>K272Y102</b>	24 V	1	-

Actuator for R276, R277, R278, R279 zone valves and R279D diverting valve.

With stroke-end microswitch and handwheel for manual operation.

90° rotation in around 60 seconds.

### ⓘ INFO

Actuator used also in R276B valves.



## R291

PRODUCT CODE	SIZE	☐	☒
<b>R291Y004</b>	3/4"	1	10
<b>R291Y005</b>	1"	1	10

Two-way piston zone valve, male-male connections with tail pieces.

### ⓘ INFO

To be completed with R473, R473M actuator.



## R292

PRODUCT CODE	SIZE	☐	☒
<b>R292Y004</b>	3/4"	1	10
<b>R292Y005</b>	1"	1	10

Three-way piston zone valve, male-male connections with tail pieces.

### ⓘ INFO

To be completed with R473, R473M actuator.



## R292E

PRODUCT CODE	SIZE	☐	☒
<b>R292EY004</b>	3/4"	1	10
<b>R292EY005</b>	1"	1	10

Three-way piston zone valve, male-male connections with eccentric tail pieces.

### ⓘ INFO

To be completed with R473, R473M actuator.



## R193K

PRODUCT CODE	SIZE	☐	☒
<b>R193Y011</b>	Ø18 - for R500 cabinets	1	50
<b>R193Y021</b>	Ø18 - for R500-2 cabinets	1	50

Connection kit for R278, R292, R292E zone valves.



## P19

PRODUCT CODE	SIZE	☐	☒
<b>P19Y001</b>	From M28 to M30	1	50
<b>P19Y002</b>	From M30 to M28	1	50

Ring nut to change the connection of the mixing valves.



## R473

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>R473X221</b>	230 V	1	25
<b>R473X222</b>	24 V	1	25

Thermo-electric actuator, normally closed.

Cable length 1 m. With new high efficiency thermo-electric sensor.

Can be used to replace the manual handwheels on manifolds.



## R473M

PRODUCT CODE	POWER SUPPLY	☐	☒
<b>R473MX221</b>	230 V	1	25
<b>R473MX222</b>	24 V	1	25

Thermo-electric actuator, normally closed,

with microswitch. Cable length 1 m. With new high efficiency thermo-electric sensor.

Can be used to replace the manual handwheels on manifolds.



# Components for boiler room

## R140

PRODUCT CODE	SIZE	□	⊞
R140Y001	1/2" - 1,5 bar	1	50
R140Y002	1/2" - 2,5 bar	1	50
R140Y003	1/2" - 3 bar	1	50
R140Y005	1/2" - 3,5 bar	1	50
R140Y006	1/2" - 4 bar	1	50
R140Y007	1/2" - 4,5 bar	1	50
R140Y008	1/2" - 5 bar	1	50
R140Y009	1/2" - 6 bar	1	50
R140Y010	1/2" - 7 bar	1	50
R140Y011	1/2" - 8 bar	1	50
R140Y013	1/2" - 10 bar	1	50
R140Y021	3/4" - 1,5 bar	1	25
R140Y020	3/4" - 2 bar	1	25
R140Y022	3/4" - 2,5 bar	1	25
R140Y023	3/4" - 3 bar	1	25
R140Y025	3/4" - 3,5 bar	1	25
R140Y026	3/4" - 4 bar	1	25
R140Y028	3/4" - 5 bar	1	25
R140Y029	3/4" - 6 bar	1	25
R140Y031	3/4" - 8 bar	1	25
R140Y032	3/4" - 10 bar	1	25
R140Y040	1" - 2 bar	1	20
R140Y042	1" - 2,5 bar	1	20
R140Y043	1" - 3 bar	1	20
R140Y045	1" - 3,5 bar	1	20
R140Y046	1" - 4 bar	1	20
R140Y048	1" - 5 bar	1	20
R140Y049	1" - 6 bar	1	20
R140Y051	1" - 8 bar	1	20
R140Y052	1" - 10 bar	1	20
R140Y062	1 1/4" - 2,5 bar	1	10
R140Y063	1 1/4" - 3 bar	1	10
R140Y065	1 1/4" - 3,5 bar	1	10
R140Y066	1 1/4" - 4 bar	1	10
R140Y067	1 1/4" - 4,5 bar	1	10
R140Y068	1 1/4" - 5 bar	1	10
R140Y069	1 1/4" - 6 bar	1	10

Membrane safety valve, female-female connections. Use with hot/cold water, air. Temperature range: 5÷110 °C. Nominal pressure: 10 bar.

ACCESSORIES	R140-R140M	R140R-R140R1-R140RM	
R141	R141Y003	✓	✓ 1/2"
	R141Y014	✓	✓ 3/4"
	R141Y015	✓	- 1"
	R141Y016	✓	- 1 1/4"
R141C	R141CY004	✓	✓ 3/4"
	R141CY005	✓	- 1"
	R141CY006	✓	- 1 1/4"



CERTIFICATIONS AND SYMBOLS



## R140M

PRODUCT CODE	SIZE	□	⊞
R140MY003	1/2" - 3 bar	1	25

Membrane safety valve, male-female connections. Use with hot/cold water, air. Temperature range: 5÷110 °C. Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R140R

PRODUCT CODE	SIZE	□	⊞
R140RY101	1/2" - 1,5 bar	1	50
R140RY102	1/2" - 2,5 bar	1	50
R140RY103	1/2" - 3 bar	1	50

Membrane safety valve, female-female connections. Use with hot/cold water, air. Temperature range: 5÷110 °C. Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R140R1

PRODUCT CODE	SIZE	□	⊞
R140TY102	1/2" - 2,5 bar	1	50
R140TY103	1/2" - 3 bar	1	50

Membrane safety valve, female-female connections, with 1/4" connection for pressure gauge. Use with hot/cold water, air. Temperature range: 5÷110 °C. Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R140RM

PRODUCT CODE	SIZE	□	⊞
R140SY102	1/2" - 2,5 bar	1	50
R140SY103	1/2" - 3 bar	1	50

Membrane safety valve, male-female connections. Use with hot/cold water, air. Temperature range: 5÷110 °C. Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R140PT

PRODUCT CODE	SIZE	□	⊞
R140PY021	1/2" x Ø15 mm (4 bar)	1	-
R140PY026	1/2" x Ø15 mm (7 bar)	1	-
R140PY031	3/4" x Ø22 mm (4 bar)	1	-
R140PY036	3/4" x Ø22 mm (7 bar)	1	-

Combined temperature and pressure safety valve, male connections. Use with hot/cold water. Calibration settings:  
 - Temperature: 90°C  
 - Pressure: 4 and 7 bar (depending on versions)  
 Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R140C

PRODUCT CODE	SIZE	☐	⊞
R140CY006	1/2" x 3/4" - 4 bar	1	30
R140CY009	1/2" x 3/4" - 6 bar	1	30

Membrane safety valve for solar thermal systems, female-female connections. Use with hot water or glycol solutions (max. 50 %). Temperature range: 5÷160 °C. Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R140C-1

PRODUCT CODE	SIZE	☐	⊞
R140CY010	1/2" x 3/4" - 7 bar	1	30
R140CY011	1/2" x 3/4" - 8 bar	1	30

Membrane safety valve for domestic water systems, female-female connections. Use with hot/cold water, air. Temperature range: 5÷110 °C. Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



## R141

PRODUCT CODE	SIZE	☐	⊞
R141Y003	1/2" x 1/2"	4	40
R141Y014	3/4" x 3/4"	5	50
R141Y015	1" x 1"	5	50
R141Y016	1 1/4" x 1 1/4"	2	20
R141Y017	1 1/2" x 1 1/2"	2	20

Brass relief funnel.



## R141C

PRODUCT CODE	SIZE	☐	⊞
R141CY004	3/4" x 3/4"	1	20
R141CY005	1" x 1"	1	20
R141CY006	1 1/4" x 1 1/4"	1	10

90° elbow brass relief funnel.



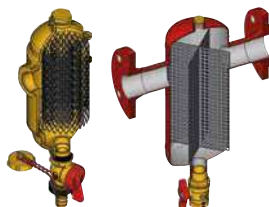
## R146D

### THREADED CONNECTIONS

PRODUCT CODE	SIZE	☐	⊞
R146DY004	3/4"	1	-
R146DY005	1"	1	-
R146DY014	3/4"	1	-
R146DY015	1"	1	-
R146DY016	1 1/4"	1	-
R146DY017	1 1/2"	1	-
R146DY018	2"	1	-

### FLANGED CONNECTIONS

PRODUCT CODE	SIZE	☐	⊞
R146DY105	DN50	1	-
R146DY106	DN65	1	-
R146DY108	DN80	1	-
R146DY110	DN100	1	-
R146DY112	DN125	1	-
R146DY115	DN150	1	-



Dirt separator with female threaded connections (insulation optional) or flanged connections (with insulation). It can be use also as a deaerator unit by installing the R99S air vent valve instead of the upper plug. Equipped with drain cock, filter and gaskets.

### INFO

#### THREADED VERSION

- Upper connection: 1/2"F
- Female threaded connections UNI ISO228

#### FLANGED VERSION

- Upper connection: 1/2"F
- Flange UNI EN 1092-1 PN16
- Insulation: thickness 20 mm, density 30 kg/m<sup>3</sup>, thermal conductivity 0,038 W/m K, fire reaction class B2)

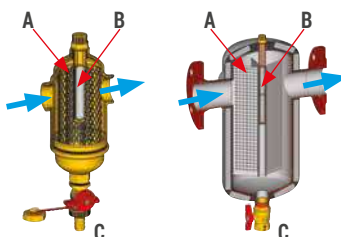
## R146M

### THREADED CONNECTIONS

PRODUCT CODE	SIZE	☐	⊞
R146MY014	3/4"	1	-
R146MY015	1"	1	-
R146MY016	1 1/4"	1	-
R146MY017	1 1/2"	1	-
R146MY018	2"	1	-

### FLANGED CONNECTIONS

PRODUCT CODE	SIZE	☐	⊞
R146MY105	DN50	1	-
R146MY106	DN65	1	-
R146MY108	DN80	1	-
R146MY110	DN100	1	-
R146MY112	DN125	1	-
R146MY115	DN150	1	-



Magnetic dirt separator with female threaded connections (insulation optional) or flanged connections (with insulation). Equipped with magnet holder housing, P146M magnetic kit, drain cock, filter and gaskets.

### INFO

#### THREADED VERSION

- Housing for magnetic kit, size 1/2"M
- Female threaded connections UNI ISO228

#### FLANGED VERSION

- Housing for magnetic kit, size 1/2"M
- Flange UNI EN 1092-1 PN16
- Insulation: thickness 20 mm, density 30 kg/m<sup>3</sup>, thermal conductivity 0,038 W/m K, fire reaction class B2)

### OPERATION

The flow enters the dirt separator and is slowed down, allowing for the separation of the solid impurities present in the fluid. The solid impurities are separated when they collide with the metal mesh (A) and ferrous particles are retained by the attraction force generated by the magnet (B). The filter can be cleaned without having to remove it and/or switch off the system, by opening the shut-off cock (C) and removing the magnet (B) from the container housing, by pulling it upwards.

## R146I

### THREADED CONNECTIONS

PRODUCT CODE	SIZE		
R146IY005	1"	1	-
R146IY006	1 1/4"	1	-
R146IY007	1 1/2"	1	-
R146IY008	2"	1	-

### FLANGED CONNECTIONS

PRODUCT CODE	SIZE		
R146IY105	DN50	1	-
R146IY106	DN65	1	-
R146IY108	DN80	1	-
R146IY110	DN100	1	-
R146IY112	DN125	1	-
R146IY115	DN150	1	-



Hydraulic separator with female threaded or flanged connections, with insulation. Equipped with automatic air vent valve and drain cock with hose connection.

#### INFO

##### THREADED VERSION

- Connections: UNI ISO228 for 1", 1 1/4".
- Connections: ISO7/1 for 1 1/2", 2".
- Insulation: density 40 kg/m<sup>3</sup>, thermal conductivity 0,023 W/mK, fire reaction class 1.

##### FLANGED VERSION

- Flange: UNI EN 1092-1 PN16
- Insulation: density 30 kg/m<sup>3</sup>, thermal conductivity 0,039 W/mK, fire reaction class B2.

## R146IM

### THREADED CONNECTIONS

PRODUCT CODE	SIZE		
R146IM005	1"	1	-
R146IM006	1 1/4"	1	-
R146IM007	1 1/2"	1	-
R146IM008	2"	1	-

### FLANGED CONNECTIONS

PRODUCT CODE	SIZE		
R146IM105	DN50	1	-
R146IM108	DN80	1	-
R146IM110	DN100	1	-
R146IM112	DN125	1	-
R146IM115	DN150	1	-



Hydraulic separator equipped with magnet to remove solid debris, with female threaded or flanged connections, with insulation. Equipped with automatic air vent valve and drain cock with hose connection.

#### INFO

##### THREADED VERSION

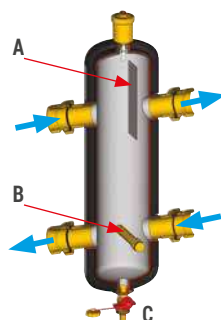
- Connections: UNI ISO228 for 1", 1 1/4".
- Connections: ISO7/1 for 1 1/2", 2".
- Insulation: density 40 kg/m<sup>3</sup>, thermal conductivity 0,023 W/mK, fire reaction class 1.

##### FLANGED VERSION

- Flange: UNI EN 1092-1 PN16
- Insulation: density 30 kg/m<sup>3</sup>, thermal conductivity 0,039 W/mK, fire reaction class B2.

#### OPERATION

The R146IM hydraulic separator enables to decouple the primary circulator flow from the secondary. When the flow running through a primary or secondary circuit exceeds the one circulating in the other, the separator bypasses part of the flow. This results in a production circuit featuring a constant flow and a distribution circuit with a variable flow. The flow enters the separator and slows down to separate the solid debris from the fluid. The solid impurities are separated when they collide with the metal mesh (A) and ferrous particles are retained by the attraction force generated by the magnet (B). We recommend to periodically open the drain tap (C) on the lower end of the separator to discharge possible debris collected on the bottom of the separator.



## P146M

PRODUCT CODE	SIZE		
P146MY002	1/2" - Length 90 mm	1	-
P146MY003	1/2" - Length 110 mm	1	-
P146MY103	1/2" - Length 245 mm	1	-
P146MY104	1/2" - Length 375 mm	1	-
P146MY105	1/2" - Length 395 mm	1	-

Kit composed of magnet holder housing with gaskets for installation on dirt separator and/or hydraulic separators.

#### INFO

##### FOR DIRT SEPARATORS

- R146MY003: for all threaded dirt separators.
- R146MY103: for flanged dirt separators DN50, DN65, DN80.
- R146MY104: for flanged dirt separators DN100, DN125.
- R146MY105: for flanged dirt separators DN150.

##### FOR HYDRAULIC SEPARATORS

- R146MY002: for threaded hydraulic separators 1", 1 1/4".
- R146MY003: for threaded hydraulic separators 1 1/2", 2".

## R146W

PRODUCT CODE	SIZE		
R146WY001	3/4" - 1"	1	-
R146WY002	1 1/4" - 1 1/2"	1	-
R146WY003	2"	1	-

Insulation for R146D and R146M dirt separator with female threads. Thickness 20 mm, density 30 kg/m<sup>3</sup>, thermal conductivity 0,038 W/m K, fire reaction class B2.



# R146C

PRODUCT CODE	SIZE	☐	☒
R146CX004	3/4"M	1	10
R146CX005	1"M	1	10

### KIT: DIRT SEPARATOR + BALL VALVE + ADJUSTABLE TAIL PIECE

PRODUCT CODE	SIZE	☐	☒
R146CKX004	3/4"	1	10

### ACCESSORIES FOR 3/4" M COMPACT VERSION

PRODUCT CODE	SIZE	☐	☒
R254PY034	3/4"M x 3/4"F	5	50
R176PY018	3/4"F x 3/4"F adjustable	5	30
R176PY008	3/4"F x 3/4"F	5	30



VIDEO TUTORIAL

Adjustable magnetic dirt separator.

Equipped with adjustable inlet/outlet fitting with 3/4"M or 1"M ISO 228 connections, cap, adjustable drain cock, filter, magnet housing and magnet.

#### INFO

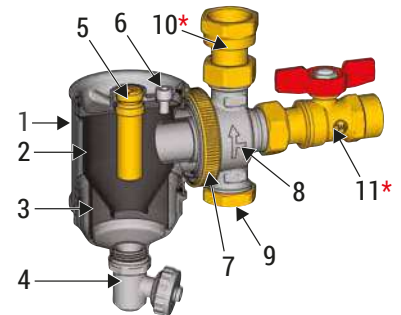
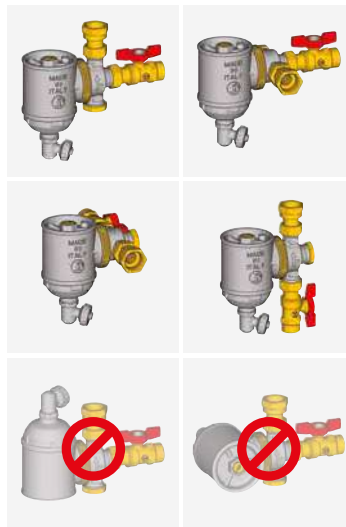
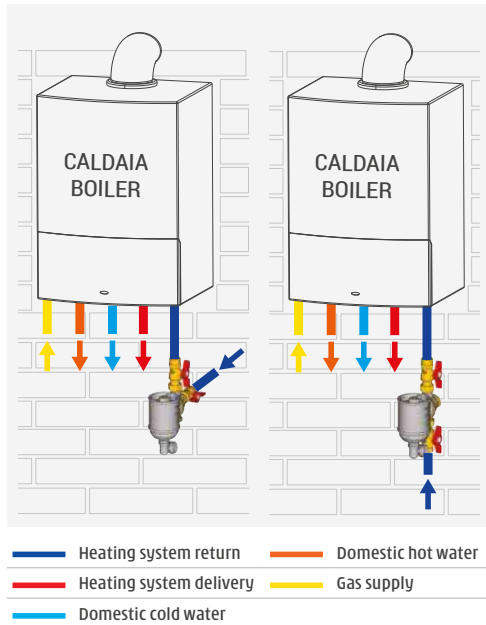
Optional accessories for R146CX004

- R254PY034: shut-off ball valve, 3/4"F flat seat nut (ISO228) x 3/4"M (ISO228)
- R176PY008: tail piece, 3/4"F flat seat nut (ISO228) x 3/4"F (ISO228)

Optional accessories for R146CX005

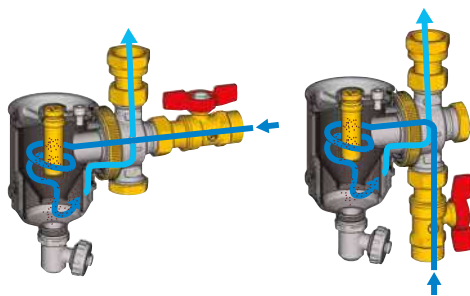
- P15FY005: pair of two tail pieces, 1"F flat seat nut (ISO228) x 1"F (Rp - EN10226)

## INSTALLATION



- (1) Dirt separator body, (2) Cyclonic chamber, (3) Filter, (4) Adjustable drain cock, (5) Magnet housing and magnet, (6) Air vent screw, (7) Fitting lock nut, (8) Adjustable inlet/outlet fitting, (9) Cap (3/4"F or 1"F depending on the codes), (10) 3/4" x 3/4" flat seat tail piece \*(Optional), (11) 3/4" x 3/4" interception ball valve \*(Optional).

## OPERATION



- Impure water flowing into the dirt separator
- Impurity-free water flowing out from the dirt separator

The water flows into the dirt separator and is then channeled into the cyclonic chamber where a vortical motion enhances particle separation; this area also features a magnet that retains metal impurities.

A metal filter below the cyclonic chamber holds the impurities decanting from the chamber itself on the bottom of the separator.

The dirt separator features a screw on top which releases air upon initial operation (see "Installation" paragraph).

The separator can be cleaned without being disassembled and/or switching off the system by opening the drain cock on the bottom of the separator - after pulling out the magnet from its housing from the top (see "Maintenance" paragraph).

# P146C

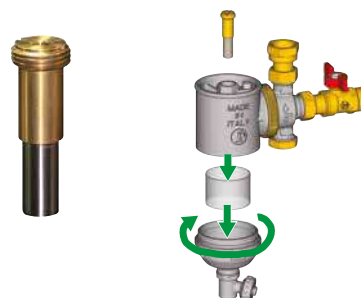
PRODUCT CODE	SIZE	☐	☒
P146CY001	3/8" - Lenght 51 mm	1	-
P146CY011	3/8" - Lenght 81 mm	1	-

Magnetic kit for R146C dirt separator.

#### INFO

- P146CY001: for 3/4" R146C dirt separator
- P146CY011: for 1" R146C dirt separator

## REMOVING THE FILTER



For a more thorough cleansing, proceed as follows:

- 1) Turn off the system and intercept the fluid with ball valves, upstream and downstream of the separator to prevent water from flowing inside the dirt separator.
- 2) Unscrew the dirt separator base in counter-clockwise direction.
- 3) Remove the filter from the dirt separator to clean it.
- 4) Fit the filter back in and screw the separator back on its base.

# Protect the quality of your system and your work



Radiant  
Systems



Energy  
Management



▲ Brand new non-acid products to protect system materials and the environment.

▲ Easy to use and measure: 1 liter for 100 liters of system water.

## ➤ For existing systems

- **REMOVE-RAPID:** dirt-separating solution for rapid and intensive removal of scales, muds and oxides. Once removed, you need to protect the system with universal filming.

PRODUCT CODE	SIZE	☐	☒
<b>K381Y001</b>	1l	1	9

- **2-IN-1:** a special product to clean (anti-mudding, dispersing and sanitizing properties) and protect (anti-corrosive and anti-limestone action). Once poured into the system, let the product react without flushing. Use with a dirt separator.

PRODUCT CODE	SIZE	☐	☒
<b>K382Y001</b>	1l	1	9

## ➤ For new systems

- **CLEAN:** neutral, rapid and effective cleaner for the protection of new systems. It removes machining debris, oil, grease, corrosive waste and other impurities before system startup.

PRODUCT CODE	SIZE	☐	☒
<b>K380Y001</b>	1l	1	9

- **PROTECT-UNIVERSAL:** a protective product for every type of system (high and low temperature, radiant panels, hot/cold mixed circuits) with special filming, anti-corrosive and anti-scaling action.

PRODUCT CODE	SIZE	☐	☒
<b>K375Y021</b>	1l	1	9

## K373I

PRODUCT CODE	SIZE		
K373Y013	-	1	-
K373Y021	1/2"	1	-
K373Y022	1/2"	1	-
K373Y023	1/2"	1	-
K373Y033	1/2"	1	-



K373Y013

Safety thermostat INAIL approved.  
Max. working pressure: 10 bar.

### INFO

K373Y013: contact thermostat for temperature regulation. Temperature regulation: 0÷90 °C. Safety limitation: factory set 100 °C.  
K373Y021: temperature regulation. Temperature regulation: 0÷90 °C. Safety limitation: factory set 100 °C.  
K373Y022: temperature regulation with manual reset safety limitation. Temperature regulation: 0÷90 °C. Safety limitation: factory set 100 °C.  
K373Y023: safety limitation with manual reset. Safety limitation: factory set 100 °C.  
K373Y033: safety limitation with manual reset. Safety limitation: factory set 110 °C.

### CERTIFICATIONS AND SYMBOLS



## K374

PRODUCT CODE	SIZE		
K374Y001	1/4" - Pmax 5 bar - Tmax 110 °C	1	-
K374Y002	1/4" - Pmax 5 bar - Tmax 110 °C	1	-
K374Y003	1/4" - Pmax 5 bar - Tmax 55 °C	1	-
K374Y004	1/4" - Pmax 5 bar - Tmax 55 °C	1	-



K374Y001

Pressure switch.

### INFO

K374Y001: safety pressure switch with manual reset. Regulation range: 2-4,5 bar. Pressure of intervention: 3 bar (factory set).  
K374Y002: minimal pressure switch with manual reset. Regulation range: 0,5-1,7 bar. Pressure of intervention: 0,9 bar (factory set).  
K374Y003: regulation pressure switch for autoclaves. Regulation range: 1-5 bar. Pressure of intervention: 1,4-2,8 bar (factory set).  
K374Y004: regulation pressure switch for autoclaves. Regulation range: 3-12 bar. Pressure of intervention: 5-7 bar (factory set).

### CERTIFICATIONS AND SYMBOLS



## K500

PRODUCT CODE	SIZE		
K500Y002	1"	1	15

Flow switch for pipes from DN25 to DN200.  
Protection degree: IP65  
Max. working pressure: 10 bar  
Max. working temperature: 110 °C.



### CERTIFICATIONS AND SYMBOLS



## R227

PRODUCT CODE	SIZE		
R227Y001	1/2" - Length 45 mm	1	250
R227Y010	1/2" - Length 100 mm	1	15

Thermometer brass housing.



## R228I

PRODUCT CODE	SIZE		
R228IY001	1/4"	1	5
R228IY002	3/8"	1	5
R228IY003	1/2"	1	5

3-way pressure gauge holder cock.  
Compliance with INAIL.



## R228A

PRODUCT CODE	SIZE		
R228AY001	1/4"	1	-
R228AY002	3/8"	1	-
R228AY003	1/2"	1	-

Damper for the protection of pressure gauge.  
To be used in combination with R225I and R228I.



## R225I

PRODUCT CODE	SIZE		
R225IY004	1/4" 0÷6 bar	1	-
R225IY005	1/4" 0÷6 bar	1	-
R225IY006	1/4" 0÷10 bar	1	-
R225IY007	1/4" 0÷10 bar	1	-
R225IY009	3/8" 0÷4 bar	1	-
R225IY010	3/8" 0÷6 bar	1	-
R225IY011	3/8" 0÷10 bar	1	-

Pressure gauge in compliance with INAIL.

### INFO

R225IY004: back connection.  
R225IY005: radial connection.  
R225IY006: radial connection.  
R225IY007: back connection.  
R225IY009: radial connection.  
R225IY010: radial connection.  
R225IY011: radial connection.





## R540I

PRODUCT CODE	SIZE	□	⊞
R540IY001	1/2"	1	-
R540IY002	1/2"	1	-
R540IY003	1/2"	1	-

Thermometer, scale 0÷120 °C, in compliance with INAIL.

### INFO

R540IY001: 50 mm thermometer housing, back connection.  
 R540IY002: 100 mm thermometer housing, back connection.  
 R540IY003: 50 mm thermometer housing, radial connection.



## R540

PRODUCT CODE	SIZE	□	⊞
R540Y002	3/8" - 0÷80 °C - Ø40 mm	1	-
R540Y003	1/2" - 0÷120 °C - Ø61,5 mm	1	-
R540Y021	3/8" - 0÷120 °C - Ø40 mm	1	-

Thermometer, back connection.



## R150B

PRODUCT CODE	SIZE	□	⊞
R150BY103	1/2"	1	25

Female x male filling valve, plastic coated tail piece.



## R150

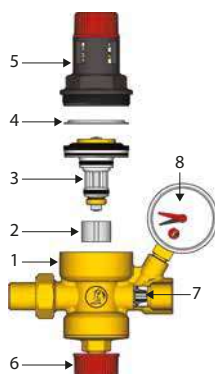
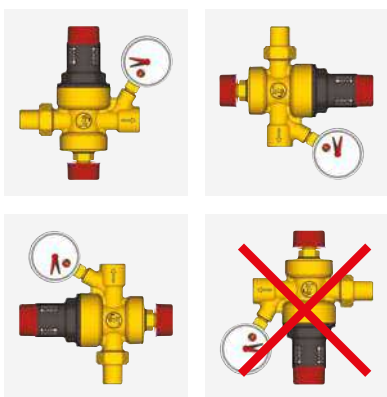
PRODUCT CODE	SIZE	□	⊞
R150Y103	1/2"	1	25

Female x female filling valve.



## R150M

PRODUCT CODE	SIZE	□	⊞
R150MY003	1/2" - with manometer	1	10
R150MY013	1/2" - without manometer	1	10



Automatic filling unit for installation on water adduction pipes of closed-circuit heating/cooling systems.

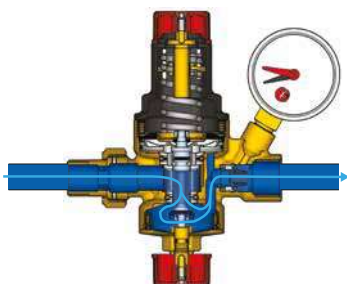
Possibility to preset the system fluid pressure. Removable cartridge and filter for easy cleaning and maintenance.

Anti-limestone function and compensated housing pressure adjustment.

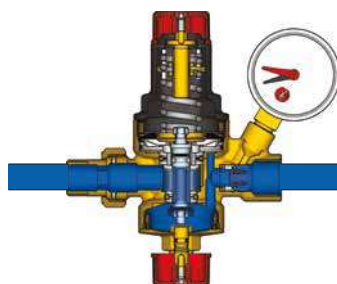
Connections: inlet 1/2"M with tail piece; outlet 1/2"F; pressure gauge: 1/4"F.

1) Filling group body, (2) Filter, (3) Cartridge, (4) Anti-loosening ring, (5) Upper bonnet with presetting scale, (6) Shut-off valve, (7) Check valve, (8) Pressure gauge (only for R150MY003-plug for R150MY013).

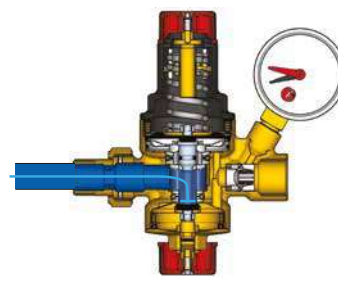
### OPERATION



The water duct fluid enters the R150M filling unit and loads it up to the required pressure (calibration pressure).



When the system reaches the desired pressure, the stopper (A) closes without letting in any fluid. The check valve (B) prevents the system water from flowing back to the main water ducts.



The R150M filling unit automatically reintegrates the installation water when the pressure drops below the calibration value, up to restoring the desired pressure. The automatic filling function can be deactivated by closing the shut-off valve (C) completely.

## Water controls



### R153M

PRODUCT CODE	SIZE		
R153MY003	1/2"	1	-
R153MY004	3/4"	1	-
R153MY005	1"	1	-
R153MY006	1 1/4"	1	-
R153MY007	1 1/2"	1	-
R153MY008	2"	1	-



Diaphragm pressure reducer, PN25, female-female connections.  
With Rp 1/4"F connection for pressure gauge.

### R153MK

PRODUCT CODE	SIZE		
R153MY103	1/2"	1	10
R153MY104	3/4"	1	10
R153MY105	1"	1	6



Diaphragm pressure reducer, PN25, tail pieces male connections.  
With pressure gauge, scale 0÷10 bar.

### R153C

PRODUCT CODE	SIZE		
R153CX003	1/2"	1	-
R153CX004	3/4"	1	-



Piston pressure reducer, PN16, female-female connections.  
With Rp 1/4"F connection for pressure gauge.



### R153P

PRODUCT CODE	SIZE		
R153PX003	1/2"	1	-
R153PX004	3/4"	1	-
R153PX005	1"	1	-
R153PX006	1 1/4"	1	-
R153PX007	1 1/2"	1	-
R153PX008	2"	1	-



Piston pressure reducer, PN25, female-female connections.  
With Rp 1/4"F connection for pressure gauge.

### R225

PRODUCT CODE	SIZE		
R225Y001	1/4" 0÷6 bar	1	100
R225Y002	1/4" 0÷10 bar	1	100
R225Y003	1/4" 0÷10 bar	1	100



Pressure gauge, 1/4" connection. Accuracy class according with EN 837-1: 1.6.

#### ⓘ INFO

R225Y001, R225Y002: back connection  
R225Y003: radial connection


### R226

PRODUCT CODE	SIZE		
R226Y001	1/2" 0÷4 bar	1	50
R226Y002	1/2" 0÷6 bar	1	50



Thermometer/pressure gauge.  
Temperature scale: 20÷120 °C.  
Preussre scale: 0÷4 bar or 0÷6 bar.



### R156

PRODUCT CODE	SIZE		
R156X004	3/4" - Kv 2,0	1	25
R156X005	1" - Kv 2,2	1	25



Thermostatic mixer for use in domestic water systems, chrome plated brass, female-female connections. Temperature range: 38÷60 °C.



### R156-1

PRODUCT CODE	SIZE		
R156X024	3/4" - Kv 1,8	1	10
R156X025	1" - Kv 2,0	1	10



Thermostatic mixer for use in domestic water systems, chrome plated brass, tail pieces male connections. Temperature range: 38÷60 °C.

### R156-2

PRODUCT CODE	SIZE		
R156Y223	1/2" - Kv 1,3	1	10
R156Y224	3/4" - Kv 1,4	1	10
R156Y225	1" - Kv 5,0	1	10
R156Y226	1 1/4" - Kv 5,8	1	8
R156Y227	1 1/2" - kv 11,0	1	5
R156Y228	2" - Kv 12,0	1	5



Thermostatic mixer for use in domestic water systems, brass finish, tail pieces male connections. With anti-scalding function. Temperature range: 30÷65 °C.

## Components for biomass systems

### R157A

#### 1" CONNECTIONS

PRODUCT CODE	SIZE	☐	☒
R157AY051	1" (45 °C)	1	-
R157AY052	1" (55 °C)	1	-
R157AY053	1" (60 °C)	1	-
R157AY054	1" (70 °C)	1	-

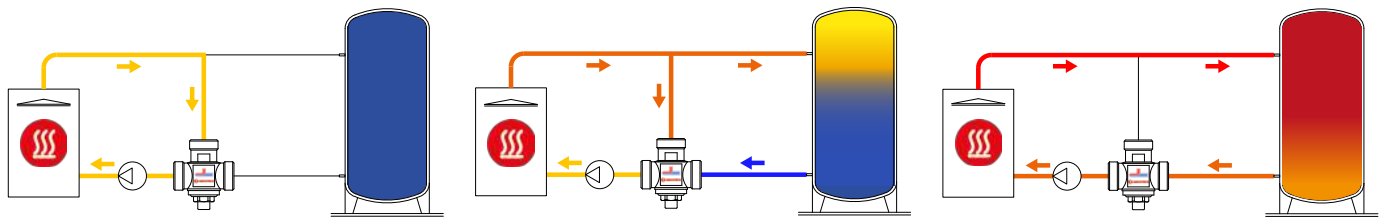
#### 1 1/4" CONNECTIONS

PRODUCT CODE	SIZE	☐	☒
R157AY061	1 1/4" (45 °C)	1	-
R157AY062	1 1/4" (55 °C)	1	-
R157AY063	1 1/4" (60 °C)	1	-
R157AY064	1 1/4" (70 °C)	1	-



Anti-condensation valve for solid fuel boilers.  
 Temperature range: 5÷100 °C.  
 Max. working pressure: 10 bar.  
 Valves with 1" connections: Kv 3,2 - DN25  
 Valves with 1 1/4" connections: Kv 9 - DN32

#### OPERATING PRINCIPLE OF THE ANTI-CONDENSATION VALVE



### R144ST

PRODUCT CODE	SIZE	☐	☒
R144SY001	3/4"	1	-

Thermal safety discharge valve, with dual safety sensor. Complete with remote probe with housing and 1/2" M connection. Capillary pipe 1300 mm length. Temperature range: 92÷112 °C. Calibration temperature: 95 °C  
 Max. working pressure: 10 bar.



### R140PT

PRODUCT CODE	SIZE	☐	☒
R140PY021	1/2" x Ø15 mm (4 bar)	1	-
R140PY026	1/2" x Ø15 mm (7 bar)	1	-
R140PY031	3/4" x Ø22 mm (4 bar)	1	-
R140PY036	3/4" x Ø22 mm (7 bar)	1	-

Combined temperature and pressure safety valve, male connections. Use with hot/cold water. Calibration settings:  
 - Temperature: 90°C  
 - Pressure: 4 and 7 bar (depending on versions)  
 Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



### R140PT-1

PRODUCT CODE	SIZE	☐	☒
R140PX028	1/2" x Ø 15 mm (10 bar)	1	-
R140PX038	3/4" x Ø 22 mm (10 bar)	1	-

Combined temperature and pressure safety valve, male connections. Use with hot/cold water for solar thermal systems. Calibration temperature: 100°C. Calibration pressure: 10 bar. Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



### R158

PRODUCT CODE	SIZE	☐	☒
R158Y001	3/4"	1	-

Draught regulator for delivery water temperature control in solid fuel boilers.



# Backflows, filters, check valves

## R626

### THREADED CONNECTION

PRODUCT CODE	SIZE	□	⊞
R626Y003	1/2"	1	-
R626Y004	3/4"	1	-
R626Y005	1"	1	-
R626Y006	1 1/4"	1	-
R626Y007	1 1/2"	1	-
R626Y008	2"	1	-



### FLANGED CONNECTION

PRODUCT CODE	SIZE	□	⊞
R626Y106	DN65	1	-
R626Y108	DN80	1	-
R626Y110	DN100	1	-
R626Y115	DN150	1	-

Dual-check backflow preventer with controlled reduced pressure zone. BA type. Protection against fluids of categories 1, 2, 3, 4 (in accordance with UNI EN 1717).

## R701F

PRODUCT CODE	SIZE	□	⊞
R701FY004	3/4"	-	-

Ball valve with built-in filter, female-female threaded connections and full port. Brass finishing. Red T-handle (water use).



## R74A

### MAGNETIZABLE VERSION

PRODUCT CODE	SIZE	□	⊞
R74AY103	1/2"	1	10
R74AY104	3/4"	1	5
R74AY105	1"	1	5
R74AY106	1 1/4"	1	4
R74AY107	1 1/2"	1	4
R74AY108	2"	1	2

Y-filter, brass finishing. Max. working temperature: 110 °C. Max. working pressure for not magnetizable versions: 16 bar. Max. working pressure for magnetizable versions: 30 bar.



## R74M

PRODUCT CODE	SIZE	□	⊞
R74MY003	1/2"	1	10
R74MY004	3/4"	1	5
R74MY005	1"	1	5
R74MY006	1 1/4"	1	4
R74MY007	1 1/2"	1	4
R74MY008	2"	1	2

Magnetic Y-filter, brass finishing. Max. working temperature: 110 °C. Max. working pressure: 30 bar.



## R623

PRODUCT CODE	SIZE	□	⊞
R623Y004	3/4"	1	25
R623Y005	1"	1	25

Dual-check backflow preventer. ED type (in accordance with UNI EN 1717).



## R624

PRODUCT CODE	SIZE	□	⊞
R624Y003	1/2" - drain 1/2"F	1	20
R624Y004	3/4" - drain 1/2"F	1	25

Dual-check backflow preventer with non-controlled reduced pressure zone. CA type. Protection against fluids of categories 1, 2, 3 (in accordance with UNI EN 1717).



## R60

### PLATE IN POLYMERIC MATERIAL

PRODUCT CODE	SIZE	□	⊞
R60Y002	3/8"	1	-
R60Y003	1/2"	1	-
R60Y004	3/4"	1	-
R60Y005	1"	1	-
R60Y006	1 1/4"	1	-
R60Y007	1 1/2"	1	-
R60Y008	2"	1	-
R60Y009	2 1/2"	1	-
R60Y010	3"	1	-
R60Y011	4"	1	-

### PLATE IN METALLIC MATERIAL

PRODUCT CODE	SIZE	□	⊞
R60Y032	3/8"	1	-
R60Y033	1/2"	1	-
R60Y034	3/4"	1	-
R60Y035	1"	1	-
R60Y036	1 1/4"	1	-
R60Y037	1 1/2"	1	-
R60Y038	2"	1	-
R60Y039	2 1/2"	1	-
R60Y040	3"	1	-
R60Y041	4"	1	-

Disc check valve, brass finish. Temperature range: 5÷95 °C (110 °C for peaks). 12 bar (from 2 1/2" to 4")

### INFO

Plate in polymeric material: 16 bar (from 3/8" to 1")  
10 bar (from 1 1/4" to 2") - 8 bar (from 2 1/2" to 4")  
Plate in metallic material: 35 bar (from 3/8" to 1")  
25 bar (from 1 1/4" to 2") - 12 bar (from 2 1/2" to 4")



## P74M

PRODUCT CODE	SIZE	□	⊞
P74MY001	1/2", 3/4" - Length 29 mm	1	-



Magnetic kit for R74A and R74M filters.

### INFO

P74MY001: for R74A and R74M filters of 1/2" and 3/4".





## N5

PRODUCT CODE	SIZE		
N5Y003	1/2"	1	-
N5Y004	3/4"	1	-
N5Y005	1"	1	-
N5Y006	1 1/4"	1	-
N5Y007	1 1/2"	1	-
N5Y008	2"	1	-
N5Y009	2 1/2"	1	-
N5Y010	3"	1	-
N5Y011	4"	1	-



Clapper check valve, neoprene seat, brass finish.

## N6



PRODUCT CODE	SIZE		
N6Y003	1/2"	1	-
N6Y004	3/4"	1	-
N6Y005	1"	1	-
N6Y006	1 1/4"	1	-
N6Y007	1 1/2"	1	-
N6Y008	2"	1	-
N6Y009	2 1/2"	1	-
N6Y010	3"	1	-



Clapper check valve, metal seat, brass finish.

## Gate valves

### R55



PRODUCT CODE	SIZE		
R55Y002	3/8"	10	50
R55Y003	1/2"	10	50
R55Y004	3/4"	5	50
R55Y005	1"	4	20
R55Y006	1 1/4"	5	30
R55Y007	1 1/2"	3	18
R55Y008	2"	2	12
R55Y009	2 1/2"	1	6
R55Y010	3"	1	3
R55Y012	4"	1	2



Brass gate valve, female-female connections.

## P36S

### FOR R74A MAGNETIZABLE AND R74M

PRODUCT CODE	SIZE		
P36SY103	1/2"	1	-
P36SY104	3/4"	1	-
P36SY105	1"	1	-
P36SY106	1 1/4"	1	-
P36SY107	1 1/2"	1	-
P36SY108	2"	1	-



Filter cartridge for R74A and R74M filters.



### R54

PRODUCT CODE	SIZE		
R54Y004	3/4"	5	50
R54Y005	1"	4	20
R54Y006	1 1/4"	5	30



Brass gate valve, heavy model, female-male connections.

### R56

PRODUCT CODE	SIZE		
R56Y002	3/8"	10	50
R56Y003	1/2"	10	50
R56Y004	3/4"	5	50
R56Y005	1"	4	20
R56Y006	1 1/4"	5	30
R56Y007	1 1/2"	3	18
R56Y008	2"	2	12



Brass gate valve, female-female connections, with drain cock.

## R220

PRODUCT CODE	SIZE		
<b>R220Y005</b>	Ø22	5	50

Brass gate valve, with compression copper-copper connections.



## P22C

PRODUCT CODE	SIZE		
<b>P22CY001</b>	3/8" - 1/2"	1	-
<b>P22CY002</b>	3/4" - 1"	1	-
<b>P22CY003</b>	1 1/4"	1	-
<b>P22CY004</b>	1 1/2"	1	-
<b>P22CY005</b>	2"	1	-
<b>P22CY008</b>	2 1/2" - 3"	1	-



Red handwheel for R54, R55, R56, R220, R230 gate valves.

### INFO

Please indicate in your order the model and the relative size of the valve.

## R230

PRODUCT CODE	SIZE		
<b>R230Y002</b>	Ø15	10	100
<b>R230Y004</b>	Ø18	5	50
<b>R230Y005</b>	Ø22	5	50
<b>R230Y006</b>	Ø28	4	20
<b>R230Y007</b>	Ø35	5	30

Brass gate valve, welding connections.



## Automatic air vent valves

### R88

PRODUCT CODE	SIZE		
<b>R88Y001</b>	1/4"	1	100
<b>R88Y002</b>	3/8"	1	100

Automatic air vent valve, brass finish.



### R99

PRODUCT CODE	SIZE		
<b>R99Y001</b>	1/4"	1	50
<b>R99Y002</b>	3/8"	1	50
<b>R99Y003</b>	1/2"	1	50

Automatic air vent valve, brass finish.



### R88I

PRODUCT CODE	SIZE		
<b>R88IY002</b>	3/8"	1	100
<b>R88IY003</b>	1/2"	1	100

Automatic air vent valve, with shut-off valve, brass finish.



### R99I

PRODUCT CODE	SIZE		
<b>R99IY002</b>	3/8"	1	50
<b>R99IY003</b>	1/2"	1	50

Automatic air vent valve, with shut-off valve, brass finish.



### R160

PRODUCT CODE	SIZE		
<b>R160Y001</b>	1/4" x 3/8"	1	1.000
<b>R160Y002</b>	1/4" x 1/2"	1	500

Shut-off valve for automatic air vent valves.



### R99S

PRODUCT CODE	SIZE		
<b>R99SY003</b>	1/2" - with shut-off valve	1	10
<b>R99SY013</b>	1/2" - without shut-off valve	1	-

Automatic air vent valve for solar thermal systems with shut-off valve included.



## ➤ Accessories for circulators

### R252

PRODUCT CODE	SIZE	☐	☒
<b>R252Y001</b>	1"F x 1 1/2"F nut	2	50
<b>R252Y002</b>	1 1/4"F x 2"F nut	2	20
<b>R252Y003</b>	Ø22 x 1 1/2"F nut	2	50
<b>R252Y004</b>	Ø28 x 1 1/2"F nut	2	50



Ball valve, with female-female threaded connections with nut and gasket or with compression-female threaded connections with nut and gasket, for the connection of circulator or mixing valve. Brass finishing. Standard port. Screwdriver bonnet handle (water use). For opening and closing operations use a screwdriver or a 5 mm Allen wrench.

### R37K

PRODUCT CODE	SIZE	☐	☒
<b>R37KY003</b>	1" x 1/2"	30	-
<b>R37KY004</b>	1 1/4" x 3/4"	25	-
<b>R37KY005</b>	1 1/2" x 1"	25	-
<b>R37KY006</b>	2" x 1 1/4"	10	-



Pair of flat-seat tail pieces with nuts and gaskets.

### R39

PRODUCT CODE	SIZE	☐	☒
<b>R39Y001</b>	1 1/2" x 1"	2	50



Check valve.

### R197

PRODUCT CODE	SIZE	☐	☒
<b>R197Y001</b>	130 mm	1	50
<b>R197Y002</b>	180 mm	1	36



Threaded male fitting spacer for circulator.

### R197M

PRODUCT CODE	SIZE	☐	☒
<b>R197MY001</b>	130 mm	1	10
<b>R197MY002</b>	180 mm	1	10

Unit consisting of: threaded male fitting R197 size 1 1/2", shut-off circulator valve R252 1 1/2" x 1".



### R182AM

PRODUCT CODE	SIZE	☐	☒
<b>R182MY002</b>	1 1/4"	1	10

Unit consisting of: angle fitting R19D 1 1/4", Tee fitting R182A 1 1/4" x 1" x 35.



### R285L

PRODUCT CODE	SIZE	☐	☒
<b>R285LY001</b>	1"F x 1 1/2" nut connection	4	40
<b>R285LY003</b>	1 1/4"F x 2" nut connection	4	20

Ball valve, with female threaded connection-connection for nut, specific for circulator connection. Brass finishing. Standard port. Red lever handle (water use).



#### ⓘ INFO

To be completed with P18LY007 (1 1/2") or P18LY009 (2") nut. Possibility to install the R288 check valve inside the valve.

### R285

PRODUCT CODE	SIZE	☐	☒
<b>R285Y001</b>	1"F x 1 1/2" nut connection	4	40
<b>R285Y002</b>	1 1/4"F x 1 1/2" nut connection	4	20
<b>R285Y003</b>	1 1/4"F x 2" nut connection	4	20

Ball valve, with female threaded connection-connection for nut, specific for circulator connection. Brass finishing. Standard port. Red T-handle (water use).



#### ⓘ INFO

To be completed with P18LY007 (1 1/2") or P18LY009 (2") nut. Possibility to install the R288 check valve inside the valve.

### P18L

PRODUCT CODE	SIZE	☐	☒
<b>P18LY007</b>	1 1/2" for R252, R285, R285L	1	20
<b>P18LY009</b>	2" - for R252, R285, R285L	1	20

Brass nut, female thread.



### R284

PRODUCT CODE	SIZE	☐	☒
<b>R284Y001</b>	3/4"	1	20

Differential valve with 3/4" female connections, complete with 18 mm copper pipe and compression fitting for connection to R287 valve.



## R284M

PRODUCT CODE	SIZE		
<b>R284MY001</b>	1" x 1 1/2"	1	10

Valve set for by-pass with differential valve and N.2 special ball valves and thermometers.



## R287

PRODUCT CODE	SIZE		
<b>R287Y005</b>	1" F x 1 1/2" F nut	4	20

Ball valve, with female-female nut threaded connections, specific for circulator connection, with additional connections for thermometers or other optional components. Brass finishing. Standard port. Red T-handle (water use).



## R287M

PRODUCT CODE	SIZE		
<b>R287MY005</b>	1" F x 1 1/2" F nut	1	10

Couple of ball valves, with female-female nut connections, specific for circulator connection, with thermometers (R540 series), check valves (R288), plugs (R92). Brass finishing. Standard port. Red and blue T-handles (water use).



## Oil filters

### N1

#### NYLON GLASS AND INOX FILTER

PRODUCT CODE	SIZE		
<b>N1UY001</b>	3/8"MM	1	20
<b>N1Y001</b>	3/8"FF	1	20
<b>N1UY012</b>	3/8"MF	1	20

Oil filter with shut-off cock, check valve and bracket.

Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.



### N1UB

PRODUCT CODE	SIZE		
<b>N1UBY001</b>	3/8"MM	1	20

Oil filter with shut-off cock, recirculation, check valve and bracket. Nylon glass and inox filter.

Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.

#### INFO

N1UBY002: brass ferrule.



### N2

PRODUCT CODE	SIZE		
<b>N2Y001</b>	3/8"FF	1	20

Oil filter with shut-off cock. Nylon glass and inox filter.



### N3

PRODUCT CODE	SIZE		
<b>N3Y001</b>	3/8"FF	1	25

Oil filter. Nylon glass and inox filter.



### N10

PRODUCT CODE	SIZE		
<b>N10Y002</b>	3/8"	1	200
<b>N10Y003</b>	1/2"	1	100

Check valve for tank.





## N12

PRODUCT CODE	SIZE	☐	☒
<b>N12Y005</b>	1" x (8-10-12)	1	100

Double connection for oil tank. 45° connections. With stuffing box for copper pipe.



## N20

PRODUCT CODE	SIZE	☐	☒
<b>N20Y003</b>	1/2"	10	200

Check valve for oil systems. Female connections.



## N14

PRODUCT CODE	SIZE	☐	☒
<b>N14Y001</b>	2" x 2"	1	50
<b>N14Y002</b>	2" x 2 1/2"	1	50
<b>N14Y003</b>	2" x 2 3/4"	1	30

Tank plug with female connection.



## N42

PRODUCT CODE	SIZE	☐	☒
<b>N42Y007</b>	1 1/2" M x (8-10-12)	10	100

Double fitting for oil tank.



## N15

PRODUCT CODE	SIZE	☐	☒
<b>N15Y005</b>	1"	1	150
<b>N15Y006</b>	1 1/4"	1	100
<b>N15Y007</b>	1 1/2"	1	50
<b>N15Y008</b>	2"	1	50

Air vent valve for tank.



## P36

PRODUCT CODE	SIZE	☐	☒
<b>P36Y001</b>	-	1	-

Filter insert stainless for N1, N2, N3.



## N16-1

PRODUCT CODE	SIZE	☐	☒
<b>N16KY001</b>	2" x (8-10-12) x 1700 mm	1	10
<b>N16KY002</b>	2" x (8-10-12) x 2200 mm	1	10
<b>N16KY003</b>	2" x (8-10-12) x 3200 mm	1	10

Emergency valve complete with flexible suction pipe and level gauge connection. Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.



## P36F

PRODUCT CODE	SIZE	☐	☒
<b>P36Y002</b>	-	1	-

Filter insert felt for N1, N2, N3.



## N16-2

PRODUCT CODE	SIZE	☐	☒
<b>N16GY001</b>	1" x (8-10-12) x 1700 mm	1	10
<b>N16GY002</b>	1" x (8-10-12) x 2200 mm	1	10
<b>N16GY003</b>	1" x (8-10-12) x 3200 mm	1	10

Emergency valve complete with flexible suction pipe. Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.



## P78T

PRODUCT CODE	SIZE	☐	☒
<b>P78TY001</b>	N1	1	-
<b>P78TY002</b>	N2-N3	1	-

Transparent filter cup.



## N17

PRODUCT CODE	SIZE	☐	☒
<b>N17Y002</b>	3/8"	10	100
<b>N17Y003</b>	1/2"	10	100

Shut-off emergency valve.



## Components for solar thermal systems

### R586S-O

PRODUCT CODE	SIZE	☐	☒
<b>R586SY002</b>	3/4"	1	-

Single-way circulation unit for solar thermal systems, with safety group and mechanical flow meter. Circulator ErP compliance. To be coupled with KTD electronic unit.



### R586S

PRODUCT CODE	SIZE	☐	☒
<b>R586SY001</b>	3/4"	1	-

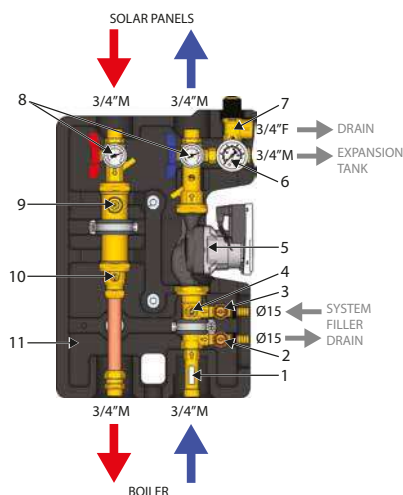
Two-way circulation unit for solar thermal systems, with safety group and mechanical flow meter. Circulator ErP compliance. To be coupled with KTD electronic unit.



### R586S-1

PRODUCT CODE	SIZE	☐	☒
<b>R586SY011</b>	3/4"	1	-

Two-way circulation unit for solar thermal systems, with safety group and mechanical flow meter. Circulator ErP compliance. KTD electronic unit included.



1) Flow meter (mechanical for R586S - electronic for R586S-1), (2) Drain tap, (3) Filling tap, (4) Ball valve, (5) Circulator, (6) Pressure gauge, (7) Safety valve, (8) Ball valve with integrated thermometer and check valve, (9) Air discharge manual valve, (10) Ball valve, (11) Insulation cover.

### P586S

PRODUCT CODE	SIZE	☐	☒
<b>P586SY001</b>	-	1	50
<b>P586SY002</b>	-	1	10
<b>P586SY003</b>	-	1	20
<b>P586SY004</b>	-	1	10
<b>P586SY005</b>	-	1	20
<b>P586SY007</b>	-	1	20
<b>P586SY008</b>	-	1	-

Spare parts for R586S-1 circulation units.

#### INFO

P586SY001: flow meter for R586S with 2+12 l/min  
 P586SY002: flow meter unit plus probe for R586S.  
 P586SY003: valve body R586S 1/2" (3/4"F) for system filling.  
 P586SY004: return valve for R586S 3/4".  
 P586SY005: delivery valve for R586S 3/4".  
 P586SY006: safety fitting R586S 1/2" Mx3/4" M.  
 P586SY007: air separator for R586S 1 1/2" x 1/2".  
 P586SY008: R252 1 1/2" x Ø22 (for solar system).



### P50

PRODUCT CODE	SIZE	☐	☒
<b>P50Y003</b>	3/4" M x 1/2" F	1	100

Threaded reducer fitting for R586S unit.



### KTD

PRODUCT CODE	SIZE	☐	☒
<b>KTD3Y003</b>	3 probes	1	-
<b>KTD5Y006</b>	6 probes	1	-

Electronic unit for the control of the differential temperatures in solar thermal systems.  
 PT1000 temperature probes included.



### KTDP

PRODUCT CODE	SIZE	☐	☒
<b>KTDPY001</b>	-	1	-

Protection device against overvoltage, for KTD electronic unit.



### KTDS

PRODUCT CODE	SIZE	☐	☒
<b>KTDSY001</b>	-	1	-

PT1000 (180 °C) probe, for KTD electronic unit.



## Units for domestic hot water

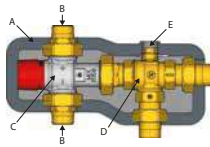
### GS550

PRODUCT CODE	SIZE	□	⊞
GS550Y001	-	1	-
GS550Y002	-	1	-

Units to control the domestic hot water production in solar thermal systems.



(A) Insulation in crosslinked expanded PE, (B) Tail pieces with check valves and filter, (C) Thermostatic mixer, (D) Deflector valve, (E) Connection for K272 motor.



### GS556

PRODUCT CODE	SIZE	□	⊞
GS556Y001	-	1	-

Domestic hot water unit for solar thermal systems.  
67 kW @ 70 °C.



## Other components for solar thermal systems

### R140C

PRODUCT CODE	SIZE	□	⊞
R140CY006	1/2" x 3/4" - 4 bar	1	30
R140CY009	1/2" x 3/4" - 6 bar	1	30

Membrane safety valve for solar thermal systems, female-female connections. Use with hot water or glycol solutions (max. 50 %).  
Temperature range: 5÷160 °C.  
Nominal pressure: 10 bar.



CERTIFICATIONS AND SYMBOLS



### R182

PRODUCT CODE	SIZE	□	⊞
R182Y006	3/4" F x 3/4" F x 3/4" M	5	50

Tee fitting, to install the R99S automatic air vent valve on solar panels.



CERTIFICATIONS AND SYMBOLS



### R99S

PRODUCT CODE	SIZE	□	⊞
R99SY003	1/2" - with shut-off valve	1	10

Automatic air vent valve for solar thermal systems with shut-off valve included.



### 310

PRODUCT CODE	SIZE	□	⊞
310Y004	15 x 15	20	200
310Y010	18 x 18	10	100
310Y006	22 x 22	10	100
310Y007	28 x 28	10	100

Straight fitting for copper pipe. With metallic seal. Suitable for solar thermal systems.  
In compliance with EN1254-2 standard.



### R227-1

PRODUCT CODE	SIZE	□	⊞
R227Y003	1/2" x 6 mm	25	250

Probe housing.



### 311

PRODUCT CODE	SIZE	□	⊞
311Y001	1/2" x 15	25	250
311Y010	1/2" x 18	20	200
311Y011	3/4" x 18	20	200
311Y003	3/4" x 22	10	100
311Y005	1" x 28	10	100

Straight fitting male thread, for copper pipe. With metallic seal. Suitable for solar thermal systems.  
In compliance with EN1254-2 standard.



### R20SC

PRODUCT CODE	SIZE	□	⊞
R20SCY004	3/4"	10	100

Straight fitting in three pieces, male-male threaded for connection to the manifolds.



## 312

PRODUCT CODE	SIZE	☐	☒
<b>312Y001</b>	1/2" x 15	25	250
<b>312Y010</b>	1/2" x 18	20	200
<b>312Y011</b>	3/4" x 18	10	100
<b>312Y003</b>	3/4" x 22	10	100
<b>312Y005</b>	1" x 28	10	100



Straight fitting female thread, for copper pipe. With metallic seal. Suitable for solar thermal systems. In compliance with EN1254-2 standard.

## 315

PRODUCT CODE	SIZE	☐	☒
<b>315Y001</b>	15 x 15	25	250
<b>315Y010</b>	18 x 18	10	100
<b>315Y003</b>	22 x 22	10	100
<b>315Y004</b>	28 x 28	5	50



Elbow fitting, for copper pipe. With metallic seal. Suitable for solar thermal systems. In compliance with EN1254-2 standard.

## 317

PRODUCT CODE	SIZE	☐	☒
<b>317X001</b>	1/2" x 15	25	250
<b>317X002</b>	3/4" x 22	10	100



Elbow fitting, female thread, for copper pipe. With metallic seal. Suitable for solar thermal systems. In compliance with EN1254-2 standard.

## 318

PRODUCT CODE	SIZE	☐	☒
<b>318Y001</b>	15 x 15 x 15	10	100
<b>318Y010</b>	18 x 18 x 18	10	100
<b>318Y006</b>	22 x 22 x 22	5	50
<b>318Y014</b>	28 x 28 x 28	5	50



Tee fitting, for copper pipe. With metallic seal. Suitable for solar thermal systems. In compliance with EN1254-2 standard.

## R189

PRODUCT CODE	SIZE	☐	☒
<b>R189Y004</b>	3/4"	25	250
<b>R189Y005</b>	1"	20	200



Nipple.

## R564P

PRODUCT CODE	SIZE	☐	☒
<b>R564PY004</b>	3/4"	1	25
<b>R564PY005</b>	1"	1	10



Tee fitting, flat seat male thread connections.

## R93

BRASS FINISH		☐	☒
PRODUCT CODE	SIZE	☐	☒
<b>R93Y011</b>	1"M x 3/4"F	25	250



Reducer fitting male-female threaded.

## K377

PRODUCT CODE	SIZE	☐	☒
<b>K377Y001</b>	5 l	1	-
<b>K377Y002</b>	10 l	1	-



Propylenic antifreeze glycol for anticorrosive and biodegradable uses, suitable for solar thermal system. Concentrated solution to be watered down.

## VES

PRODUCT CODE	SIZE	☐	☒
<b>VESY001</b>	8 l	1	-
<b>VESY002</b>	18 l	1	-
<b>VESY003</b>	24 l	1	-
<b>VESY004</b>	35 l	1	-
<b>VESY005</b>	50 l	1	-
<b>VESY006</b>	80 l	1	-
<b>VESY007</b>	100 l	1	-
<b>VESY008</b>	150 l	1	-
<b>VESY009</b>	200 l	1	-
<b>VESY010</b>	300 l	1	-



Expansion vessel for solar thermal systems.

## VES-2

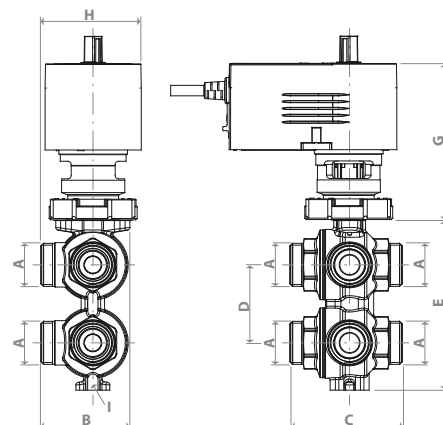
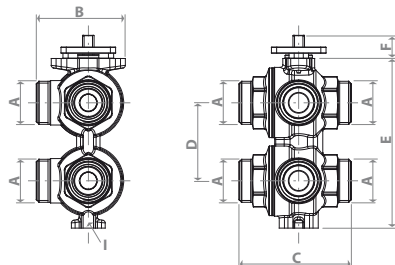
PRODUCT CODE	SIZE	☐	☒
<b>VESY020</b>	-	1	-

Bracket for expansion vessel. For VESY001÷VESY004 versions only.



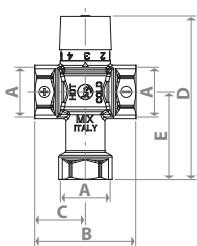
## R274N + K274-2

PRODUCT CODE	A [ISO 228]	B	C	D	E	F	G	H	I	L	M	N
<b>R274Y033</b>	1/2"M	51	68	45	100	18	114	70	2 holes M4	114	122	70
<b>R274Y045</b>	1"M	67	87	60	131	18	114	75	1 hole M6	114	122	70

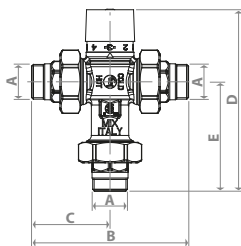


## R156 e R156-1

PRODUCT CODE	A	B	C	D	E	KV
<b>R156X004</b>	3/4"F	73	36,5	118	63	2
<b>R156X005</b>	1"F	73	36,5	118	63	2,2
<b>R156X024</b>	3/4"M	120	60	138	83	1,8
<b>R156X025</b>	1"M	128	64	143	88	2



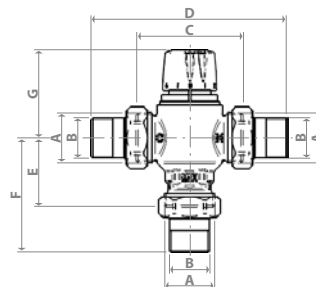
R156



R156-1

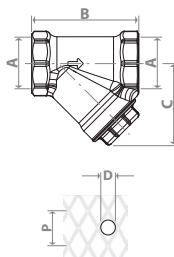
## R156-2

PRODUCT CODE	A	B	C	D	E	F	G
<b>R156Y223</b>	G 3/4"	G 1/2"	58	104	42	65	52
<b>R156Y224</b>	G 1"	G 3/4"	59	119	42,5	72,5	52
<b>R156Y225</b>	G 1 1/4"	G 1"	89	165	58	96	73
<b>R156Y226</b>	G 1 1/2"	G 1 1/4"	90	183	58,5	105	73
<b>R156Y227</b>	G 2"	G 1 1/2"	123	217	80,5	125,5	93
<b>R156Y228</b>	G 2 1/2"	G 2"	123	234	81	136,5	93



## R74M - R74A magnetizable

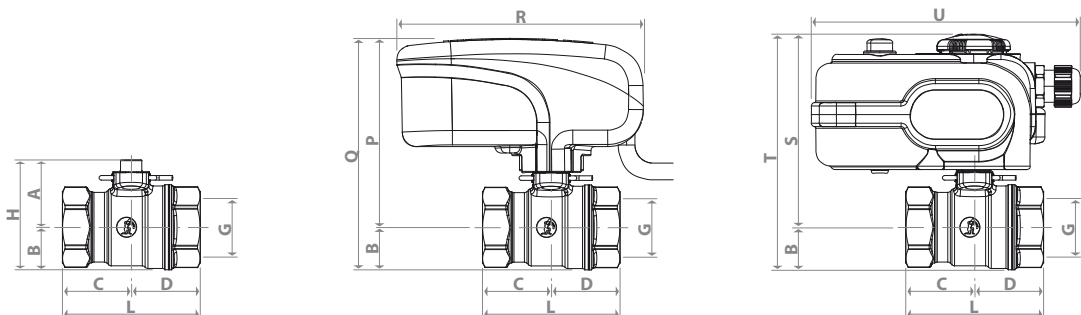
PRODUCT CODE	A [ISO 228]	B	C	P	D	M
<b>R74AY103</b> <b>R74MY003</b>	1/2"	48	34			
<b>R74AY104</b> <b>R74MY004</b>	3/4"	57	42			
<b>R74AY105</b> <b>R74MY005</b>	1"	68	53			
<b>R74AY106</b> <b>R74MY006</b>	1 1/4"	82	65	1	500	70
<b>R74AY107</b> <b>R74MY007</b>	1 1/2"	90	74			
<b>R74AY108</b> <b>R74MY008</b>	2"	108	89			



: holes pitch  
D: inscribed hole diameter  
N: number of holes per cm<sup>2</sup>

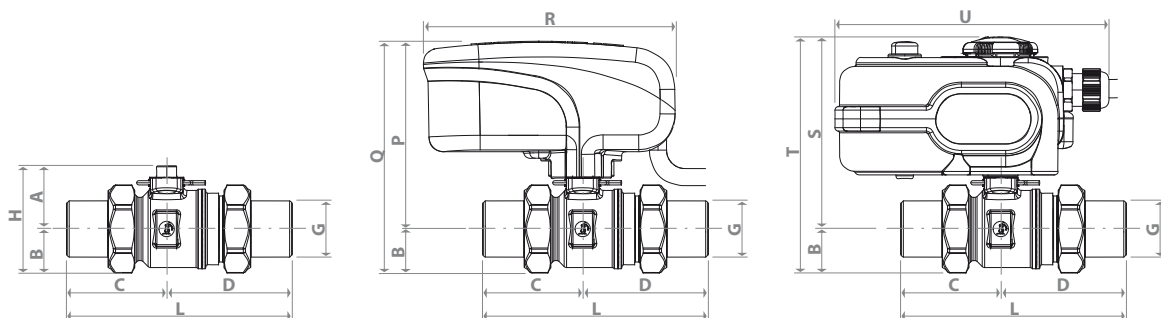
## R276

PRODUCT CODE	G	C	D	L	B	A	H	P	Q	R	S	T	U
<b>R276Y004</b>	3/4"	31	32	63	18	33	51	92	110	118	108	126	157
<b>R276Y005</b>	1"	38	38	76	23	37	60	96	119	118	112	135	157



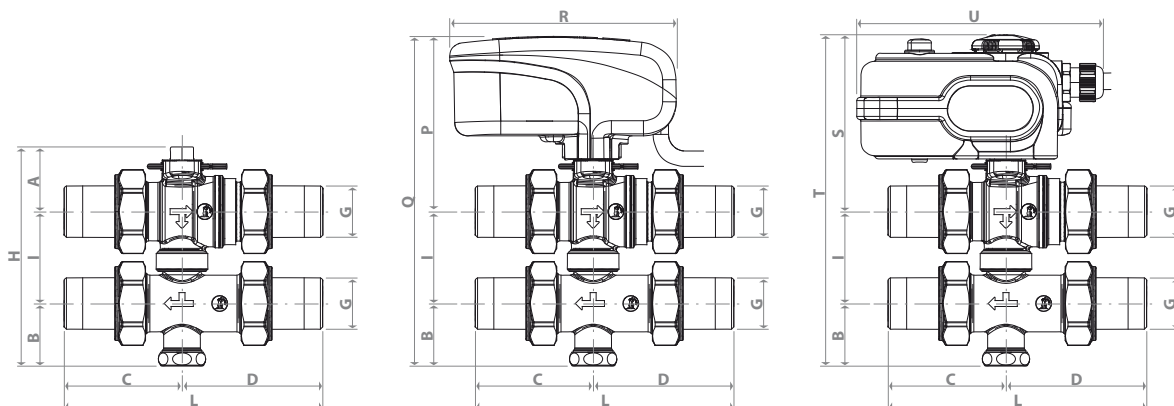
## R277

PRODUCT CODE	G	C	D	L	B	A	H	P	Q	R	S	T	U
<b>R277Y004</b>	3/4"	56	71	127	21	33	54	92	113	118	108	129	157
<b>R277Y025</b>	1"	59	73	132	26	37	63	96	122	118	112	138	157



## R278

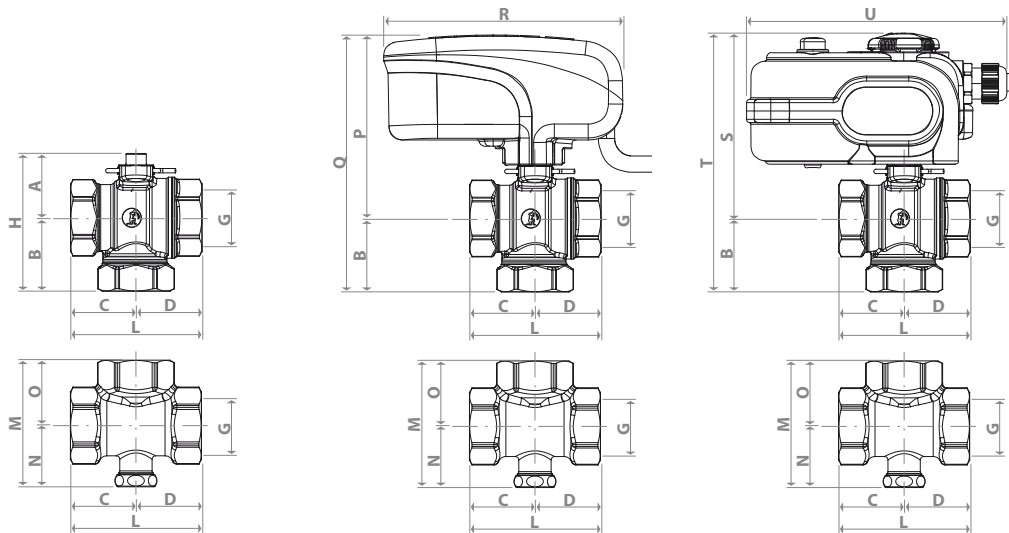
PRODUCT CODE	G	C	D	L	B	A	I	H	P	Q	R	S	T	U
<b>R278Y004</b>	3/4"	56	71	127	32	33	46	111	92	166	118	108	186	157
<b>R278Y005</b>	1"	59	73	132	34	37	54	125	96	180	118	112	200	157



# R279

DIMENSIONS IN MM

PRODUCT CODE	G	C	D	L	B	A	H	N	O	M	P	Q	R	S	T	U
<b>R279Y004</b>	3/4"	31	32	63	33	33	66	30	31	61	92	125	118	108	141	157
<b>R279Y005</b>	1"	38	38	76	42	37	79	35	38	73	96	138	118	112	154	157

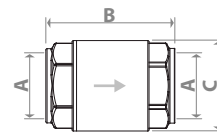
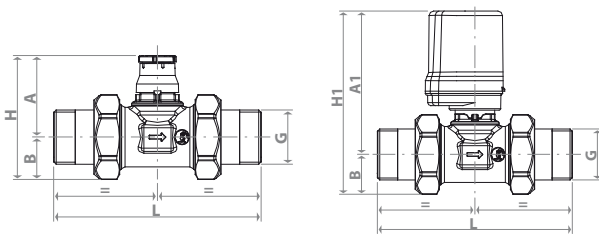


# R291

PRODUCT CODE	G	H	L	A	B	H1	A1
<b>R291Y004</b>	3/4"	88	125	49	39	132	93
<b>R291Y005</b>	1"	88	125	49	39	132	93

# R60

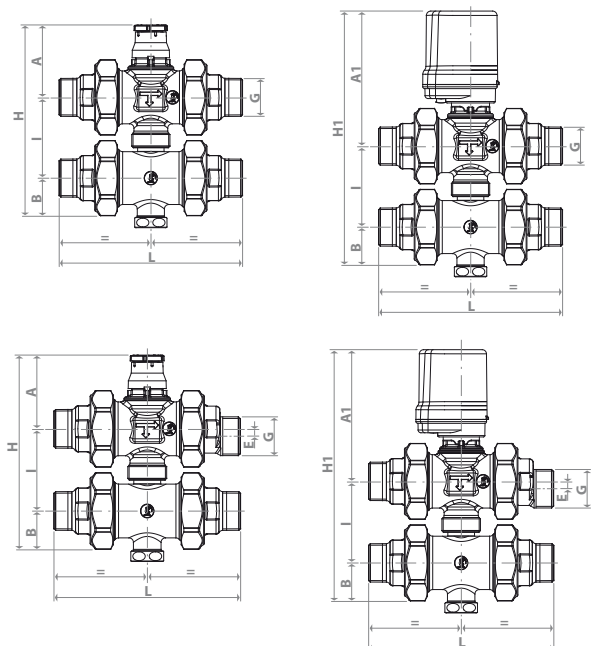
G	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
<b>D</b>	31	31	39	47	56	66	83	107	109	140
<b>L</b>	45	45	50	58	64	69	77	87	102	112

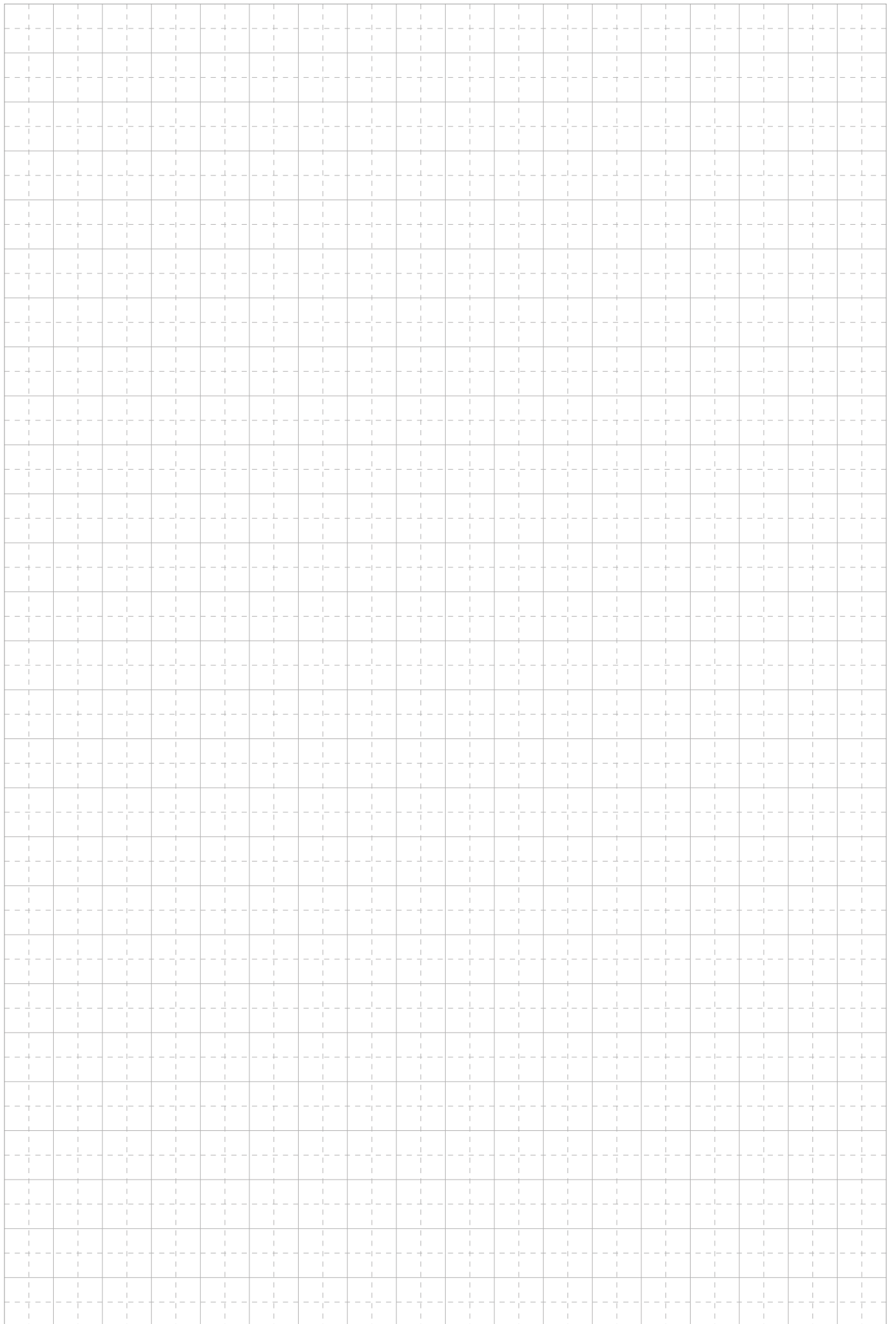


# R292E

PRODUCT CODE	G	H	L	A	I	E	B	H1	A1
<b>R292EY004</b>	3/4"	138	125	49	55	5	34	183	94
<b>R292EY005</b>	1"	138	125	49	55	5	34	183	94

PRODUCT CODE	G	H	L	A	I	B	H1	A1
<b>R292Y005</b>	1"	138	125	49	55	34	182	93







**Chapter 8** Giacomini big size valves ,  
with cast iron body and flanged connections ,  
are suitable for a full range of solutions  
among heating, cooling and balancing systems.  
They are designed for water applications

And complete the family of Giacomini  
brass valves for high flow installation.



## Valves with flanged connections

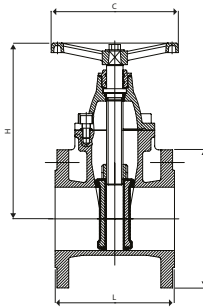
### *Products*

194 Valves with flanged connections

## Valves with flanged connections

### R55FL

PRODUCT CODE	SIZE		
R55FLY005	DN50	1	-
R55FLY006	DN65	1	-
R55FLY008	DN80	1	-
R55FLY010	DN100	1	-
R55FLY012	DN125	1	-
R55FLY015	DN150	1	-
R55FLY020	DN200	1	-
R55FLY025	DN250	1	-
R55FLY030	DN300	1	-



Gate valve with EPDM coated wedge.

**MAX. WORKING CONDITIONS WITH WATER**

- Max. working temperature: 100 °C
- Max. working pressure: 16 bar
- Max. working pressure (continuous): 11 bar

**APPLICABLE EU DIRECTIVES**

- Fluids of use: group 2 - liquid (2014/68/EU PED)

PRODUCT CODE	L	H	D	C
R55FLY005	150	197	165	160
R55FLY006	170	228	185	200
R55FLY008	180	254	200	200
R55FLY010	190	281	220	200
R55FLY012	200	340	250	250
R55FLY015	210	378	285	250
R55FLY020	230	460	340	320
R55FLY025	250	563	400	366
R55FLY030	270	643	455	366

### R59FL

**BUTTERFLY VALVE WITH DUAL STEM - STAINLESS STEEL DISC**

PRODUCT CODE	SIZE		
R59FLY004	DN40	1	-
R59FLY005	DN50	1	-
R59FLY006	DN60	1	-
R59FLY008	DN80	1	-
R59FLY010	DN100	1	-
R59FLY012	DN125	1	-
R59FLY015	DN150	1	-
R59FLY020	DN200	1	-
R59FLY025	DN250	1	-
R59FLY030	DN300	1	-



LUG type butterfly valve.

**INFO**

- \* Butterfly valve with gear box - Nickel plated ductile iron disc.

**MAX. WORKING CONDITIONS WITH WATER**

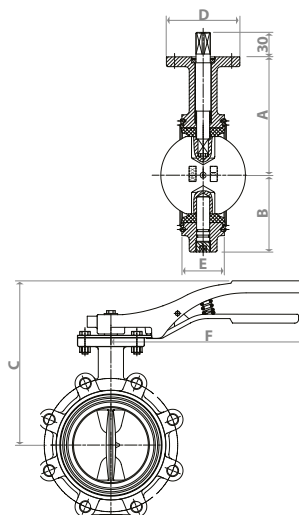
- Max. working temperature: 120 °C
- Max. working pressure: 16 bar
- Max. working pressure (continuous): 11 bar

**APPLICABLE EU DIRECTIVES**

- Fluids of use: group 2 - liquid (2014/68/EU PED).

**BUTTERFLY VALVE WITH DUAL STEM  
NICKEL PLATED DUCTILE IRON DISC**

PRODUCT CODE	SIZE		
R59FLX004	DN40	1	-
R59FLX005	DN50	1	-
R59FLX006	DN60	1	-
R59FLX008	DN80	1	-
R59FLX010	DN100	1	-
R59FLX012	DN125	1	-
R59FLX015	DN150	1	-
R59FLX020	DN200	1	-
R59FLX025	DN250	1	-
R59FLX030	DN300 *	1	-
R59FLX035	DN350 *	1	-
R59FLX040	DN400 *	1	-
R59FLX045	DN450 *	1	-
R59FLX050	DN500 *	1	-
R59FLX060	DN600 *	1	-





PRODUCT CODE	A	B	E	D	F	C
R59FLY004	140	63,5	34,5	90	260	217
R59FLY005	140	63,5	43	90	260	217
R59FLY006	152	76	45	90	260	229
R59FLY008	160	85	46	90	260	237
R59FLY010	180	100	51,5	90	260	257
R59FLY012	191	120	56	90	260	268
R59FLY015	202	132	56,5	90	260	279
R59FLY020	237	160	60	125	326	336
R59FLY025	274	200	68,5	125	416	376
R59FLY030	312	230	79,5	125	416	414

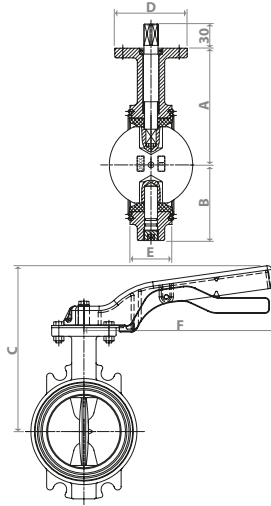
## R59W

### BUTTERFLY VALVE WITH DUAL STEM - STAINLESS STEEL DISC

PRODUCT CODE	SIZE		
R59WY004	DN40	1	-
R59WY005	DN50	1	-
R59WY006	DN65	1	-
R59WY008	DN80	1	-
R59WY010	DN100	1	-
R59WY012	DN125	1	-
R59WY015	DN150	1	-
R59WY020	DN200	1	-
R59WY025	DN250	1	-
R59WY030	DN300	1	-

### BUTTERFLY VALVE WITH DUAL STEM NICKEL PLATED DUCTILE IRON DISC

PRODUCT CODE	SIZE		
R59WX004	DN40	1	-
R59WX005	DN50	1	-
R59WX006	DN65	1	-
R59WX008	DN80	1	-
R59WX010	DN100	1	-
R59WX012	DN125	1	-
R59WX015	DN125	1	-
R59WX020	DN200	1	-
R59WX025	DN250	1	-
R59WX030	DN300	1	-
R59WX035	DN350 *	1	-
R59WX040	DN400 *	1	-
R59WX045	DN450 *	1	-
R59WX050	DN500 *	1	-
R59WX060	DN600 *	1	-



Wafer type butterfly valve.

#### INFO

\* Butterfly valve with gear box - Nickel plated ductile iron disc

#### MAX. WORKING CONDITIONS WITH WATER



- Max. working temperature: 120 °C
- Max. working pressure: 16 bar
- Max. working pressure (continuous): 11 bar

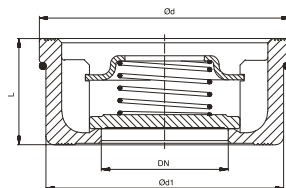
#### APPLICABLE EU DIRECTIVES

- Fluids of use: group 2 - liquid (2014/68/EU PED).

PRODUCT CODE	A	B	C	D	E	F
R59WY004	140	63,5	217	90	34,5	260
R59WY005	140	63,5	217	90	43	260
R59WY006	152	76	229	90	45	260
R59WY008	160	85	237	90	46	260
R59WY010	180	100	257	90	51,5	260
R59WY012	191	120	268	90	56	260
R59WY015	202	132	279	90	56,5	260
R59WY020	237	160	336	125	60	326
R59WY025	274	200	376	125	68,5	416
R59WY030	312	230	414	125	79,5	416

## R60W

PRODUCT CODE	SIZE		
R60WY000	DN15	1	-
R60WY001	DN20	1	-
R60WY002	DN25	1	-
R60WY003	DN32	1	-
R60WY004	DN40	1	-
R60WY005	DN50	1	-
R60WY006	DN65	1	-
R60WY008	DN80	1	-
R60WY010	DN100	1	-



Brass body disc type check valve.

#### MAX. WORKING CONDITIONS WITH WATER

- Max. working temperature: 120 °C
- Nominal pressure: 16 bar
- Max. working pressure (continuous): 11 bar

#### APPLICABLE EU DIRECTIVES

- Fluids of use: group 2 - liquid and gases (2014/68/EU PED)

PRODUCT CODE	L	Ød	Ød1
R60WY000	16	40	15
R60WY001	19	47	20
R60WY002	22	56	25
R60WY003	28	72	32
R60WY004	31,5	82	39
R60WY005	40	95	48
R60WY006	46	115	64
R60WY008	50	132	74
R60WY010	60	152	89

## R740FL

PRODUCT CODE	SIZE		
R740FLY004	DN40	1	-
R740FLY005	DN50	1	-
R740FLY006	DN65	1	-
R740FLY008	DN80	1	-
R740FLY010	DN100	1	-
R740FLY012	DN125	1	-
R740FLY015	DN150	1	-
R740FLY020	DN200	1	-



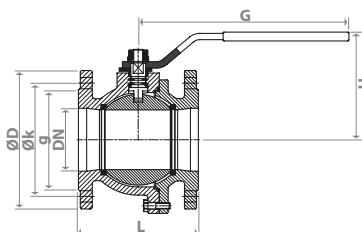
Full bore ball valve with stainless steel ball.

### MAX. WORKING CONDITIONS WITH WATER

- Max. working temperature: 120 °C
- Max. working pressure: 16 bar
- Max. working pressure (continuous): 11 bar

### APPLICABLE EU DIRECTIVES

- Fluids of use: group 2 - liquid (2014/68/EU PED)



PRODUCT CODE	L	ØD	ØK	g	H	G
R740FLY004	140	150	110	84	120	190
R740FLY005	150	165	125	99	130	260
R740FLY006	170	185	145	118	140	260
R740FLY008	180	200	160	132	155	335
R740FLY010	190	220	180	156	170	335
R740FLY012	325	250	210	184	190	335
R740FLY015	350	285	240	211	245	700
R740FLY020	400	340	295	266	280	700

## R74FL

PRODUCT CODE	SIZE		
R74FLY005	DN50	1	-
R74FLY006	DN65	1	-
R74FLY008	DN80	1	-
R74FLY010	DN100	1	-
R74FLY012	DN125	1	-
R74FLY015	DN150	1	-
R74FLY020	DN200	1	-
R74FLY025	DN250	1	-
R74FLY030	DN300	1	-



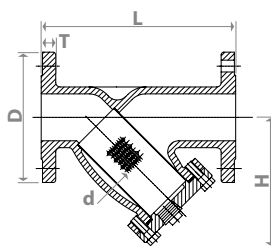
Strainer with stainless steel screen, epoxy painted.

### MAX. WORKING CONDITIONS WITH WATER

- Max. working temperature: 120 °C
- Max. working pressure: 16 bar
- Max. working pressure (continuous): 11 bar

### APPLICABLE EU DIRECTIVES

- Fluids of use: group 1 & 2 - liquid and gases (2014/68/EU PED)



PRODUCT CODE	L	H	D	T	d	Pulg (BSPT)
R74FLY005	230	130	165	17	Ø 1,5	1/2"
R74FLY006	290	156	185	17	Ø 1,5	1"
R74FLY008	310	172	200	17	Ø 1,5	1"
R74FLY010	350	215	220	17	Ø 3	1"
R74FLY012	400	240	250	17	Ø 3	1 1/4"
R74FLY015	480	282	285	17	Ø 3	1 1/2"
R74FLY020	600	335	340	18	Ø 3	1 1/2"
R74FLY025	730	460	400	20	Ø 3	2"
R74FLY030	850	515	455	22,5	Ø 3	2"

# R206B

PRODUCT CODE	SIZE		
<b>R206BY205</b>	DN50	1	-
<b>R206BY206</b>	DN65	1	-
<b>R206BY208</b>	DN80	1	-
<b>R206BY210</b>	DN100	1	-
<b>R206BY212</b>	DN125	1	-
<b>R206BY215</b>	DN150	1	-
<b>R206BY220</b>	DN200	1	-
<b>R206BY225</b>	DN250	1	-
<b>R206BY230</b>	DN300	1	-



Cast iron static balancing valve. With stainless steel disc, flanged connections and 1/4"F plug for differential pressure measure. Suitable for application with water -10÷120 °C, PN16.

#### INFO

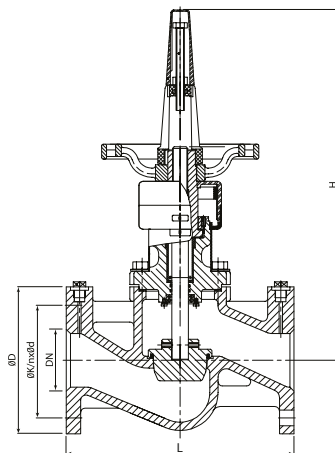
Accessories

- P206Y001: probe holder.
- R225EY001: differential manometer.

R206B flanged valves are available by checking the conditions of supply with our sales managers.

#### MAX. WORKING CONDITIONS WITH WATER

- Max. working temperature: 120 °C
- Nominal pressure: 16 bar
- Max. working pressure (continuous): 11 bar



PRODUCT CODE	L	H	ØD	ØK	N x Ød
<b>R206BY205</b>	230	280	160	125	4 x 18
<b>R206BY206</b>	290	365	185	145	4 x 18
<b>R206BY208</b>	310	395	200	160	8 x 18
<b>R206BY210</b>	350	430	220	180	8 x 18
<b>R206BY212</b>	400	495	250	210	8 x 18
<b>R206BY215</b>	480	530	285	240	8 x 22
<b>R206BY220</b>	600	665	340	295	8 x 22
<b>R206BY225</b>	730	600	405	355	12 x 22
<b>R206BY230</b>	850	685	460	410	12 x 26

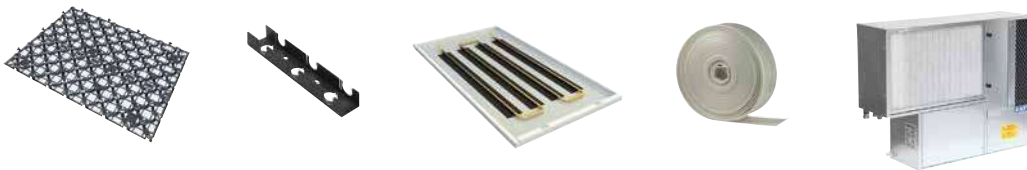
#### [KV] VALUES

R206BY205:	48,50
R206BY206:	74,40
R206BY208:	111,00
R206BY210:	165,00
R206BY212:	242,00
R206BY215:	372,00
R206BY220:	704,00
R206BY225:	812,00
R206BY230:	1380,00

**Chapter 9** Radiation is the most natural physical principle for transmitting hot and cold and, therefore, more respectful of the health and well-being of the person.

Our radiant systems are all inspired, in their concept, by this principle.

And they are all designed and produced completely by us.



# Radiant systems

## *Products*

200	Overview of radiant floor systems
204	Components for radiant floor systems
209	Radiant dry floor system
210	Overview of radiant ceiling systems
212	Metallic radiant suspended ceilings, series GK
213	Metallic radiant suspended ceilings, series GK PSV
214	Radiant plasterboard ceilings, series GKC
214	Radiant plasterboard ceilings, series GKCD
215	Radiant plasterboard ceilings, series GKCS V.2.0
217	Air treatment units



## Overview of radiant floor systems

### SISTEMA KLIMA RENEW

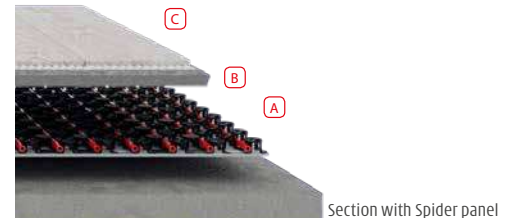


#### WHY CHHOSE IT?

- IDEAL FOR RENOVATION WORKS AND WHEN REDUCED INSTALLATION THICKNESSES ARE AVAILABLE
- REDUCED THICKNESS
- PIPE 17x2 - 16x2

The R979S Spider panel is a "tridimensional" mesh printed on plastic, more specifically on high-resistance polypropylene. Its reduced overall height and shape make this panel particularly suitable for renovation and energy requalification interventions. The patented geometry of the tridimensional mesh enables to firmly fit the pipe during installation and fully conceal it in the screed. This ensures an ideal and even heat distribution combined to reduced thermal inertia. Available in three versions: R979SY001 with adhesive base for application on existing floors or floor roughs; R979SY011 with fitting pegs for application on pre-existing insulation layers; R979SY021 combined to a 6 mm thick high-density insulation layer.

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979SY001	22	-	25 (self-leveling)	25 (self-leveling)
			35 (anhydrite-based)	35 (anhydrite-based)
			40 (sand+concrete)	40 (sand+concrete)
R979SY011	22 + pegs	S <sub>i</sub> *	35 (anhydrite-based)	35 + S <sub>i</sub> (anhydrite-based)
			40 (sand+concrete)	40 + S <sub>i</sub> (sand+concrete)
R979SY021	28 (6 mm insulation included)	6	25 (self-leveling)	31 (self-leveling)
			35 (anhydrite-based)	41 (anhydrite-based)
			40 (sand+concrete)	46 (sand+concrete)



PANEL CODE	A PANEL TOTAL HEIGHT [MM]	B MINIMUM HEIGHT SELF-LEVELING SCREED [MM]	C ALTEZZA MINIMA A+B ESCLUSO RIVESTIMENTO [MM]
R883F-R884F	18	5	23

### SISTEMA KLIMA RENEW SLIM

NEW

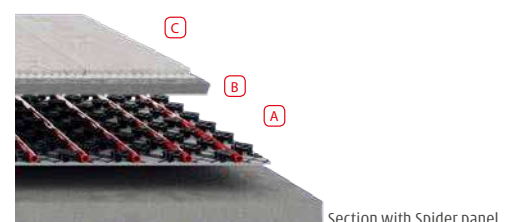


#### WHY CHHOSE IT?

- IDEAL FOR RENOVATION WORKS AND WHEN REDUCED INSTALLATION THICKNESSES ARE AVAILABLE
- REDUCED THICKNESS, LOWER THAN STANDARD VERSION
- PIPE 12x1,1

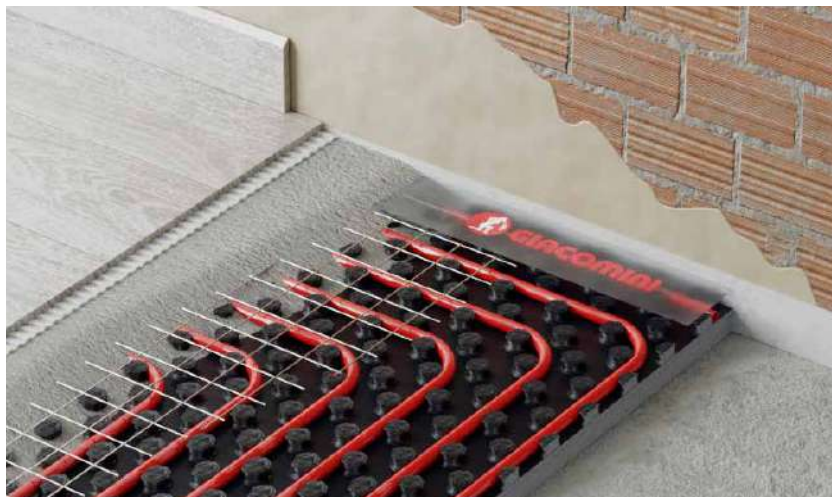
The R979S Spider panel is a "tridimensional" mesh printed on plastic, more specifically on high-resistance polypropylene. Its reduced overall height and shape make this panel particularly suitable for renovation and energy requalification interventions. The patented geometry of the tridimensional mesh enables to firmly fit the pipe during installation and fully conceal it in the screed. This ensures an ideal and even heat distribution combined to reduced thermal inertia. Available in three versions: R979SY005 with adhesive base for application on existing floors or floor roughs; R979SY025 combined to a 6 mm thick high-density insulation layer.

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979SY005	15	-	20 (self-leveling)	20 (self-leveling)
			35 (anhydrite-based)	35 (anhydrite-based)
			40 (sand+concrete)	40 (sand+concrete)
R979SY025	21	6	20 (self-leveling)	26 (self-leveling)
			35 (anhydrite-based)	41 (anhydrite-based)
			40 (sand+concrete)	46 (sand+concrete)



## R979G

NEW

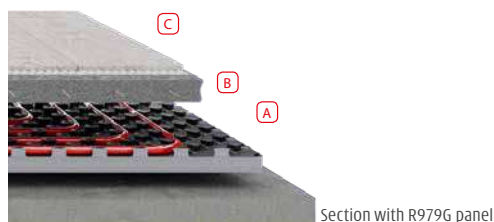


### WHY CHHOSE IT?

- GRAPHITE-ENHANCED EPS FOR HIGH PERFORMING THERMAL INSULATION
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Preformed insulation panels R979G are the natural evolution of panel R979 with the same geometrical features but increased insulating capacity, thanks to a GRAPHITE-ENHANCED EPS-T insulation. The panels consist of a sheet of GRAPHITE-ENHANCED (EPS) polystyrene foam combined to a 0,6 mm thick protection layer in preformed polystyrene. Pipe laying times are reduced thanks to the special protrusion with preformed fins to hold the pipe in place and no clips required. Fit for circuits with multiples of 50 mm laying pitches and Ø16-18 mm pipes. R979G is one of the market widest range for thicknesses and thermal resistance values.

PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979GY003	32	10/22	30	62
R979GY004	42	20/22	30	72
R979GY005	52	30/22	30	82
R979GY006	62	40/22	30	92
R979GY007	75	53/22	30	105



Section with R979G panel

## R979TG

NEW

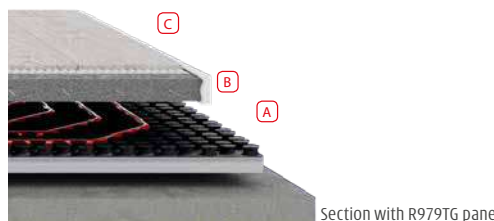


### WHY CHHOSE IT?

- DOUBLE-DENSITY GRAPHITE-ENHANCED EPS-T INSULATION
- GRAPHITE-ENHANCED EPS-T FOR HIGH PERFORMING THERMAL INSULATION AND SOUNDPROOFING
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Preformed insulation panels R979TG represent the natural evolution of panel R979N, with the same geometrical features but increased insulating capacity thanks to a GRAPHITE-ENHANCED EPS-T insulation. The panels consist of a sheet of double-density GRAPHITE-ENHANCED (EPS-T) polystyrene foam for the two larger thicknesses that improves acoustic comfort, combined to a 0,6 mm thick protection layer in preformed polystyrene. Pipe laying times are reduced thanks to the special protrusion with preformed fins to hold the pipe in place and no clips required. Fit for circuits with multiples of 50 mm laying pitches and Ø16-17 mm pipes. In addition, R979TG pipes can be installed diagonally with a 70 mm pitch, an option in high demand for modern residential units.

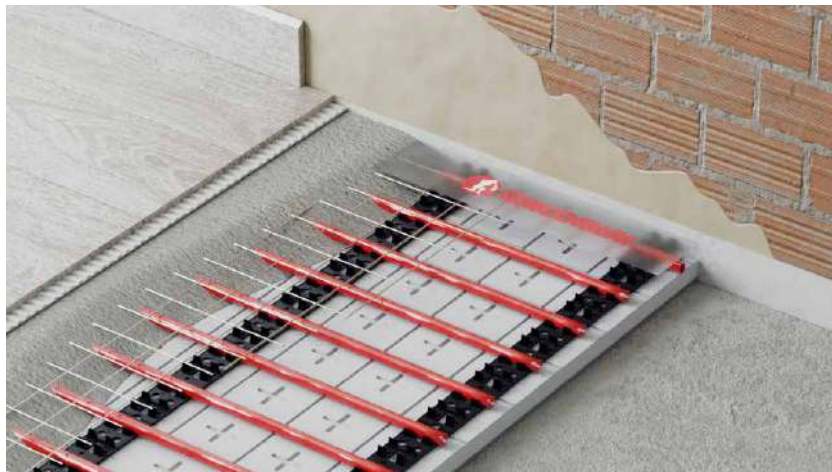
PANEL CODE	A PANEL TOTAL HEIGHT [MM]	INSULATION/ PROTUBERANCE HEIGHT [MM]	B SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED C [MM]
R979TGY003	30	11/19	30	60
R979TGY005	50	31/19	30	80
R979TGY006	63	40/19	30	93



Section with R979TG panel

## R981G

NEW



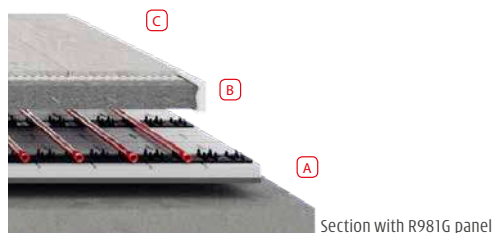
### WHY CHHOSE IT?

- EPS INSULATION + ELASTICIZED EPS WITH GRAPHITE
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Smooth insulation panels R981G consist of a polystyrene foam sheet (EPS) and an elasticized EPS sheet for enhanced acoustic comfort, provided with a surface grid for easier pipe laying. Suitable for a wide range of applications in the residential or tertiary sector, they are most recommended for large surfaces (churches and temples, industrial warehouses etc.). Provided as smooth panels with male connections and fit for installation of radiant coils with pipe installation tracks (K389 or K389W) or clips R983 (with clip tacker R863).

PANEL CODE	<b>A</b> PANEL TOTAL HEIGHT [MM]	<b>B</b> SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED <b>C</b> [MM]
<b>R981GY003</b>	30	30*	60+d.pipe
<b>R981GY004</b>	40	30*	70+d.pipe
<b>R981GY005</b>	50	30*	80+d.pipe
<b>R981GY006</b>	60	30*	90+d.pipe

\* starting from the pipe end



## R981AG

NEW



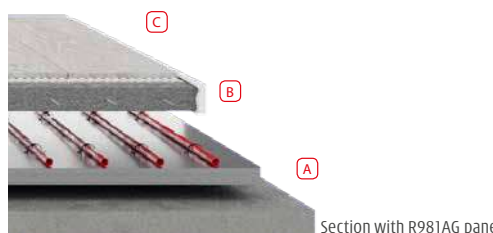
### WHY CHHOSE IT?

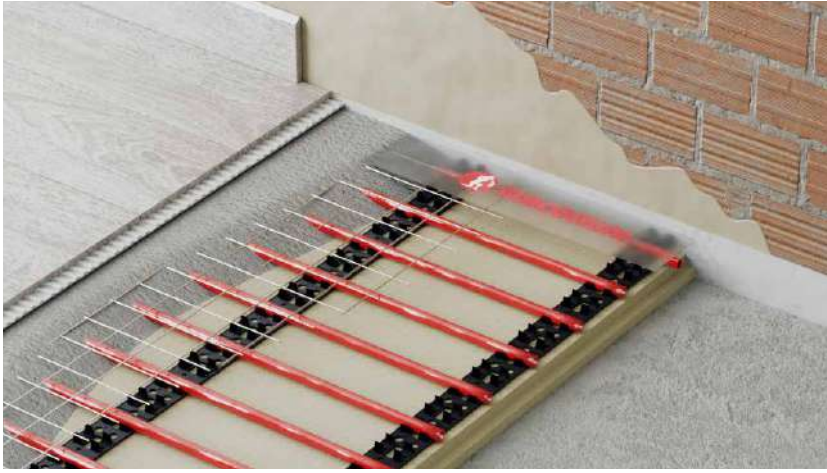
- GRAPHITE-ENHANCED EPS INSULATION
- REFLECTING ALUMINIUM SHEET APPLIED
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- CERTIFIED AND GUARANTEED PRODUCTS

Insulation panels R981AG represent our top-range offer of smooth and preformed panels for exclusive applications. The panels consist of a GRAPHITE-ENHANCED (EPS) polystyrene foam sheet combined to a 0,25 mm thick aluminum layer with grid for easier pipe laying. The aluminum layer evenly and quickly distributes the heat on the entire panel surface. Suitable for a wide range of applications in the residential and tertiary sector. Provided as smooth panels with adhesive aluminum on one side for a quick and solid connection to the adjacent sheet, they are fit for installation of radiant coils with pipe installation tracks (K389 or K389W) or clips R983 (with clip tacker R863).

PANEL CODE	<b>A</b> PANEL TOTAL HEIGHT [MM]	ALLUMINIUM HEIGHT [MM]	<b>B</b> SCREED MINIMUM HEIGHT [MM]	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED <b>C</b> [MM]
<b>R981AGY003</b>	25	0,25	30*	55+d.pipe
<b>R981AGY004</b>	40	0,25	30*	70+d.pipe

\* starting from the pipe end





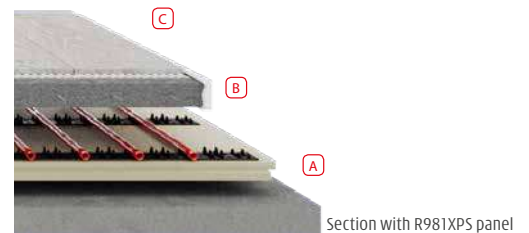
#### WHY CHOOSE IT?

- XPS INSULATION
- THE IDEAL SOLUTION FOR NEW CONSTRUCTIONS AND WHEN LOW INSTALLATION THICKNESSES ARE NOT REQUIRED
- WIDE RANGE OF THICKNESSES
- CERTIFIED AND GUARANTEED PRODUCTS

Smooth insulation panels R981XPS consist of an extruded polystyrene foam sheet (XPS). Suitable for a wide range of applications in the residential or tertiary sector, they are most indicated for large surfaces (churches and temples, industrial warehouses etc.) or when high resistance to compression is required. Available with XPS300 and XPS500 resistances. Provided as smooth shiplap-edged panels for quick and solid connection, they are fit for installation of radiant coils with pipe installation tracks (K389 or K389W) or clips R983 (with clip tacker R863) after covering the panel surface with polyethylene sheet R984 as protection layer.

PANEL CODE	<b>A</b> PANEL TOTAL HEIGHT (MM)	<b>B</b> SCREED MINIMUM HEIGHT (MM)	A+B MINIMUM HEIGHT SURFACE FINISH EXCLUDED <b>C</b> (MM)
<b>R981XY003</b>	30	30*	60+d.pipe
<b>R981XY004</b>	40	30*	70+d.pipe
<b>R981XY005</b>	50	30*	80+d.pipe
<b>R981XY006</b>	60	30*	90+d.pipe
<b>R981XY014</b>	40	30*	70+d.pipe
<b>R981XY015</b>	50	30*	80+d.pipe
<b>R981XY016</b>	60	30*	90+d.pipe

\* starting from the pipe end



# Components for radiant floor systems

## R979S

### STANDARD VERSION

PRODUCT CODE	SIZE		
R979SY001	T50 - h22 self-adhesive	-	-
R979SY011	T50 - h22 with pins	7,20	-
R979SY021	T50 - h22 with high-density	8,64	-



**VIDEO**  
Point the QR-Code with your smartphone or tablet to view the video tutorial of SPIDER panels R979SY001, R979SY011 and R979SY021

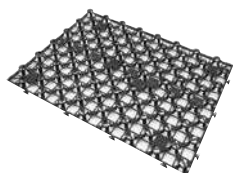
Preformed panel for radiant floor with thin screed, made of high resistance PPR. Laying pitch: multiples of 50 mm. Standard panels: for Ø16±18 mm pipes. Slim panels: for Ø12 mm pipes. Dimension standard panels: 800x600 mm. Dimension slim panels: 1200x600 mm. Ideal for renovations.

### INFO

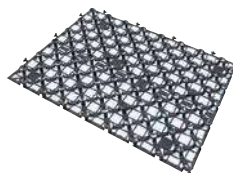
**THERMAL RESISTANCE**  
R979SY021: 0,19 (m²K)/W  
R979SY025: 0,19 (m²K)/W  
For the fixing of R979SY001, R979SY005, R979SY021, R979SY025 panels, use the R983Y041 plastic plugs.



R979SY001



R979SY011



R979SY021

### SLIM VERSION

PRODUCT CODE	SIZE		
R979SY005	T50 - h15 self-adhesive	15,84	-
R979SY025	T50 - h15 with high-density	10,08	-



**VIDEO**  
Point the QR-Code with your smartphone or tablet to view the video tutorial of SPIDER SLIM panels R979SY005 and R979SY025

### TECHNICAL DATA

- Pipe diameter that can be used:  
Ø 16±18 mm for R979SY001, R979SY011, R979SY021  
Ø 12 mm for R979SY005, R979SY025
- Pipe laying pitch: multiples of 50 mm
- Fluidity index: 8 g/10'
- Density at 23 °C: 1,1 g/cm³
- Thermal conductivity λ (for R979SY021 and R979SY025 only): 0,032 W/(m K)
- Flexure module: 1200 Mpa
- Izod shock resistance at 23 °C: 6 kJ/m²
- Vicat softening temperature: > 50 °C
- Dimensions: 800x600 mm for R979SY001, R979SY011, R979SY021  
1200x600 mm for R979SY005, R979SY025

### STORAGE CONDITIONS

- The panels must not be exposed to direct sunlight
- The panels must be stored in a dry, sheltered place at temperatures higher than 5 °C but lower than 50 °C
- The panels must not come into contact with chemical agents
- Keep the panels away from naked flames and heat sources



### SPIDER R979S PANEL INSTALLATION



**ADHESIVE VERSION.** Remove the protective sheet and stick the panel to the underlying layer or existing floor, overlapping the side connections for proper installation.



**VERSION WITH PINS.** Fit the panel to the previously installed plain insulation by inserting the pins and coupling the panels for proper connection.



**VERSION WITH INSULATION.** Place the panels on the underlying layer or existing floor, overlapping the side connections for proper installation.





**PANEL INSTALLATION.** Complete coating of the entire surface to be activated with radiant system.



**PIPE INSTALLATION.** Complete circuits complying with project min. bending radius, pitches and lengths.

## R979TG

PRODUCT CODE	SIZE		
<b>R979TGY003</b>	h30	-	-
<b>R979TGY005</b>	h50	-	-
<b>R979TGY006</b>	h63	-	-





Preformed insulation panel for radiant floors with optional diagonal pipe laying. Consisting of expanded polystyrene foam with graphite (EPST, soundproof, graphited), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. EPS T (R979TGY003, R979TGY005 and R979TGY006). For Ø15÷17 mm pipes. Dimensions: 1400x800 mm.

### INFO

THERMAL RESISTANCE  
 R979TGY003: 0,49 (m<sup>2</sup>K)/W  
 R979TGY005: 1,10 (m<sup>2</sup>K)/W  
 R979TGY006: 1,40 (m<sup>2</sup>K)/W

## R979N

PRODUCT CODE	SIZE		
<b>R979NY003</b>	T50 - h30*	11,20	-
<b>R979NY005</b>	T50 - h50*	6,72	-
<b>R979NY006</b>	T50 - h63*	5,60	-



Double density for the panels



Thermoformed protection layer



Piping diagonal installation





Preformed insulation panel for radiant floors with optional diagonal pipe laying. Consisting of expanded polystyrene foam (EPS), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. Density: 30 kg/m<sup>3</sup> (for R979NY003); 13-30 kg/m<sup>3</sup> (for R979NY005/006). For Ø15÷18 mm pipes. Dimensions: 1400x800 mm.

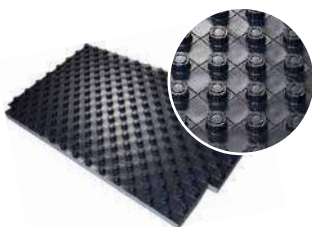
### INFO

THERMAL RESISTANCE  
 R979NY003: 0,45 (m<sup>2</sup>K)/W  
 R979NY005: 0,90 (m<sup>2</sup>K)/W  
 R979NY006: 1,25 (m<sup>2</sup>K)/W

\*Last in production

## R979G

PRODUCT CODE	SIZE		
<b>R979GY003</b>	T50 - h32	13,44	-
<b>R979GY004</b>	T50 - h42	8,96	-
<b>R979GY005</b>	T50 - h52	6,72	-
<b>R979GY006</b>	T50 - h62	11,20	-
<b>R979GY007</b>	T50 - h75	8,96	-





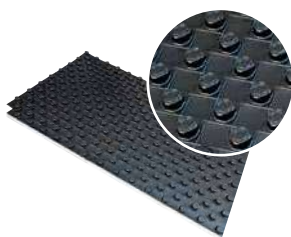
Preformed insulation panel for radiant floors. Consisting of graphite expanded polystyrene foam (EPS150 for R979GY004, R979GY005, R979GY006, R979GY007; EPS200 for R979GY003), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. Thermal conductivity: 0,031 W/m K. For Ø16÷18 mm pipes. Dimensions: 1400x800 mm.

### INFO

THERMAL RESISTANCE  
 R979GY003: 0,78 (m<sup>2</sup>K)/W  
 R979GY004: 1,10 (m<sup>2</sup>K)/W  
 R979GY005: 1,42 (m<sup>2</sup>K)/W  
 R979GY006: 1,74 (m<sup>2</sup>K)/W  
 R979GY007: 2,16 (m<sup>2</sup>K)/W

## R979

PRODUCT CODE	SIZE		
<b>R979Y043</b>	T50 - h32*	13,44	-
<b>R979Y044</b>	T50 - h42*	8,96	-
<b>R979Y045</b>	T50 - h52*	6,72	-
<b>R979Y046</b>	T50 - h62*	11,20	-
<b>R979Y047</b>	T50 - h75*	8,96	-




Preformed insulation panel for radiant floors. Consisting of expanded polystyrene foam (EPS), black thermoformed polystyrene protection layer. Laying pitch: multiples of 50 mm. Density: 25 kg/m<sup>3</sup> (for R979Y044, R979Y045, R979Y046, R979Y047); 30 kg/m<sup>3</sup> (for R979Y043). For Ø16÷18 mm pipes. Dimensions: 1400x800 mm.

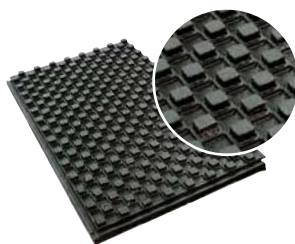
### ① INFO

THERMAL RESISTANCE  
 R979Y043: 0,73 (m<sup>2</sup>K)/W  
 R979Y044: 1,00 (m<sup>2</sup>K)/W  
 R979Y045: 1,30 (m<sup>2</sup>K)/W  
 R979Y046: 1,59 (m<sup>2</sup>K)/W  
 R979Y047: 2,00 (m<sup>2</sup>K)/W

\*Last in production

## R982Q

PRODUCT CODE	SIZE		
<b>R982QY013</b>	T50 - h37*	11,20	-
<b>R982QY015</b>	T50 - h50*	7,84	-



Preformed insulation panel for radiant floor, made of EPS. Laying pitch: multiples of 50 mm. For Ø15÷18 mm pipes. Dimension: 1400x800 mm.

### ① INFO

THERMAL RESISTANCE  
 R982QY013: 0,88 (m<sup>2</sup>K)/W  
 R982QY015: 1,27 (m<sup>2</sup>K)/W

\*Last in production

## R981XPS

### RESISTANCE TO COMPRESSION XPS300

PRODUCT CODE	SIZE		
<b>R981XY003</b>	T50-h30	10,50	-
<b>R981XY004</b>	T50-h40	7,50	-
<b>R981XY005</b>	T50-h50	6	-
<b>R981XY006</b>	T50-h60	5,25	-

### RESISTANCE TO COMPRESSION XPS500

PRODUCT CODE	SIZE		
<b>R981XY014</b>	T50-h40	7,50	-
<b>R981XY015</b>	T50-h50	6	-
<b>R981XY016</b>	T50-h60	5,25	-





Preformed flat insulation panel for radiant floors systems. Consisting of extruded polystyrene foam (XPS300 or XPS500) with smooth surface and shi lap edges. Thermal conductivity: 0,034 W/m K. Dimensions: 1250x600 mm.

### ① INFO

THERMAL RESISTANCE XPS300  
 R981XY003: 0,85 (m<sup>2</sup>K)/W  
 R981XY004: 1,15 (m<sup>2</sup>K)/W  
 R981XY005: 1,45 (m<sup>2</sup>K)/W  
 R981XY006: 1,75 (m<sup>2</sup>K)/W  
 THERMAL RESISTANCE XPS500  
 R981XY014: 1,15 (m<sup>2</sup>K)/W  
 R981XY015: 1,45 (m<sup>2</sup>K)/W  
 R981XY016: 1,75 (m<sup>2</sup>K)/W

Check supply terms and conditions with our Sales Managers.

## R981G

PRODUCT CODE	SIZE		
<b>R981GY003</b>	h30	9,60	-
<b>R981GY004</b>	h40	7,68	-
<b>R981GY005</b>	h50	5,76	-
<b>R981GY006</b>	h60	4,80	-



Preformed flat insulation panel for radiant floors systems.

Consisting of double-density expanded polystyrene foam (EPS200+EPS120), self-extinguishing with graphite-additivated lower layer, paired with polyethylene film.

Preformed grid with laying pitch reference: 50x50 mm and 100x100 mm.



Thermal conductivity: 0,033 W/m K (EPS200); 0,031 W/m K (EPS120). Dimensions: 1200x800 mm.

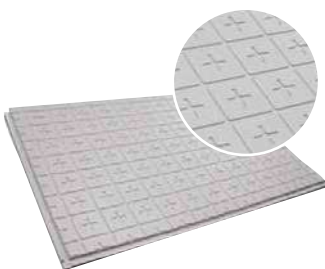
### ① INFO

THERMAL RESISTANCE  
 R981GY003: 0,94 (m<sup>2</sup>K)/W  
 R981GY004: 1,25 (m<sup>2</sup>K)/W  
 R981GY005: 1,56 (m<sup>2</sup>K)/W  
 R981GY006: 1,88 (m<sup>2</sup>K)/W

Check supply terms and conditions with our Sales Managers.

## R981B

PRODUCT CODE	SIZE		
<b>R981BY003</b>	h30	9,60	-
<b>R981BY004</b>	h40	7,68	-
<b>R981BY005</b>	h50	5,76	-
<b>R981BY006</b>	h60	4,80	-



Preformed flat insulation panel for radiant floors. Consisting of high-density expanded polystyrene foam (EPS), self-extinguishing and paired with shockproof thermoformed polyethylene protection working also as steam barrier.

Preformed grid with laying pitch reference: 50x50 mm and 100x100 mm.

Density: 30 kg/m<sup>3</sup>.

Dimensions: 1200x800 mm.

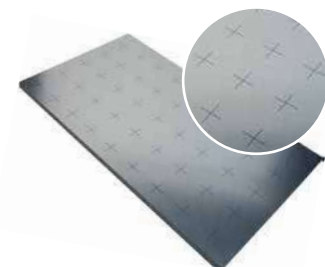
### ① INFO

THERMAL RESISTANCE  
 R981BY003: 0,91 (m<sup>2</sup>K)/W  
 R981BY004: 1,21 (m<sup>2</sup>K)/W  
 R981BY005: 1,52 (m<sup>2</sup>K)/W  
 R981BY006: 1,82 (m<sup>2</sup>K)/W

Check supply terms and conditions with our Sales Managers.

## R981AG

PRODUCT CODE	SIZE		
<b>R981AGY003</b>	T50 - h25	12,50	-
<b>R981AGY004</b>	T50 - h40	7,50	-



Preformed flat insulation panel for radiant floors systems.

Consisting of high-density graphite expanded polystyrene foam (EPS200), self-extinguishing, paired with a 0,25 mm aluminum protection layer.

Preformed grid with laying pitch reference: 50x50 mm e 100x100 mm.

Thermal conductivity: 0,031 W/m K.

Dimensions: 1000x500 mm.

### ① INFO

THERMAL RESISTANCE  
 R981AGY003: 0,81 (m<sup>2</sup>K)/W  
 R981AGY004: 1,29 (m<sup>2</sup>K)/W

Check supply terms and conditions with our Sales Managers.



## R983

PRODUCT CODE	SIZE		
<b>R983Y001</b>	Lenght 47 mm	100	1.000
<b>R983Y003</b>	Lenght 31 mm	100	1.000
<b>R983Y500</b>	Lenght 44 mm; for R863Y500 gun	300	-

Fixing clip for radiant floor systems pipes.

### ① INFO

R983Y500: pipe fixing clip for R863Y500 gun. Max. pipe  $\varnothing$  = 20 mm.



## R983S

PRODUCT CODE	SIZE		
<b>R983Y041</b>	$\varnothing 6 \times 60$ mm	100	1.000

Plugs for pipes fixing.



## R983N

PRODUCT CODE	SIZE		
<b>R983Y040</b>	$\varnothing 6 \times 25$ mm	100	1.000

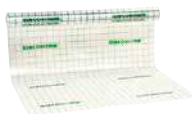
Plugs for R979SY001 and R979SY021 panels.



## R984

PRODUCT CODE	SIZE		
<b>R984Y015</b>	Mesh 50x50 mm	125	-

Steam barrier sheet for radiant panels.



## K369

PRODUCT CODE	SIZE		
<b>K369Y021</b>	150 x 8 mm	50	100

Wall edging strip.



## K393

PRODUCT CODE	SIZE		
<b>K393Y001</b>	50 x 50 mm	2	40

Metallic electro-welded net, zinc plated.



## R863

PRODUCT CODE	SIZE		
<b>R863Y500</b>	For R983Y500	1	-

Fixing clip gun for R983Y500.



## R872D

PRODUCT CODE	SIZE		
<b>R872DY001</b>	-	-	-

Track for the expansion joint placement.  
Lenght: 2 m.



## R549P

PRODUCT CODE	SIZE		
<b>R549PY003</b>	$\varnothing 16-18$	1	50
<b>R549PY004</b>	$\varnothing 20$	1	50
<b>R549PY007</b>	$\varnothing 25$	1	50

Bend support.



## K369D

PRODUCT CODE	SIZE		
<b>K369DY001</b>	150 x 8 mm	50	100

Strip for expansion joint.



## K389

PRODUCT CODE	SIZE		
<b>K389Y013</b>	$\varnothing 25$ - Pitch 100 mm	2	64

Pipe fixing track in 4 m. bars, for use with radiant floor systems.



## K389W

PRODUCT CODE	SIZE		
<b>K389WY001</b>	$\varnothing 12-22$	1	100

Pipe fixing track for pipes with  $\varnothing 12-22$  mm, in 1 meter bars.



## R227-1

PRODUCT CODE	SIZE		
<b>R227Y003</b>	1/2" x 6 mm	25	250

Probe housing.



## K376

PRODUCT CODE	SIZE		
<b>K376Y001</b>	10 l	1	-

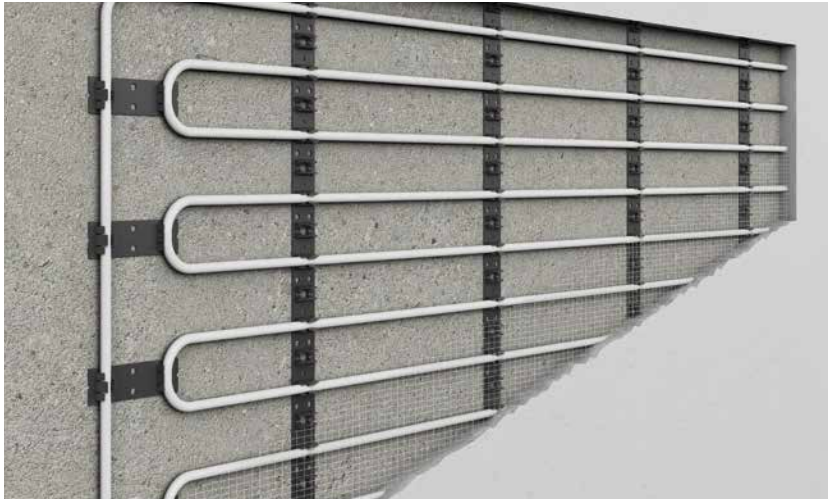
Fluidifying additive for screed.



① **Protect the quality of your system and your work**  
page 174

# ➤ Radiant dry floor system

## KLIMA WALL SYSTEM



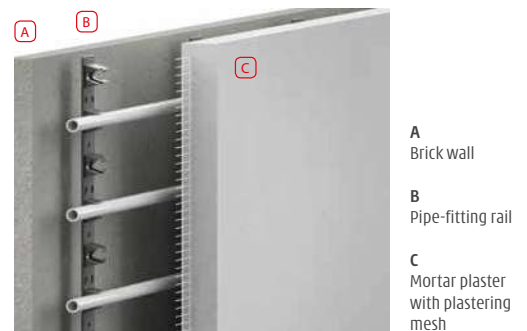
### WHY CHOOSE IT?

- THE IDEAL SOLUTION WHEN NO OTHER RADIANT SYSTEM CAN BE INSTALLED
- EVEN HEAT DISTRIBUTION
- REDUCED THERMAL INERTIA
- EASY TO INSTALL
- USE OF PIPES WITH A 16-17 MM EXTERNAL DIAMETER

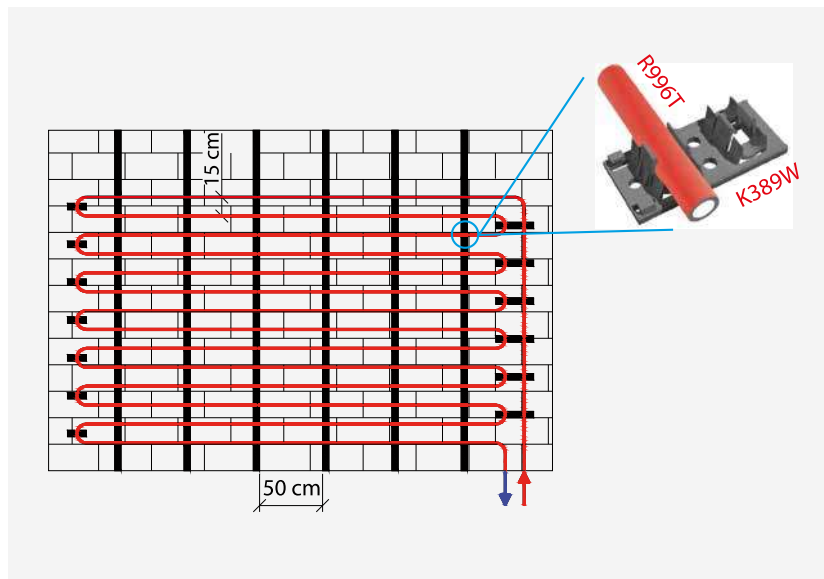
KLIMA WALL is the radiant wall system suitable when no other radiant system can be installed or, more frequently, when thermal integration is required. The radiant wall circuits can be derived directly from the distribution manifolds of the floor system

PIPE DIAMETER [MM]	PITCH [MM]
12 - 15	multiples of 100
16 - 18	multiples of 50
20	multiples of 100

RAIL + PIPE [MM]	MINIMUM PLASTER THICKNESS [MM]	MINIMUM THICKNESS IN ADDITION TO WALL [MM]
28	10	~ 40



### EXAMPLE OF RADIANT WALL INSTALLATION



## Overview of radiant ceiling systems

### GK120 SYSTEM



### METAL RADIANT PANELS

#### WHY CHOOSE IT?

- PARTICULARLY INDICATED FOR OPEN-SPACE AMBIENTS
- EASY INSTALLATION OF LIGHTING ELEMENTS IN THE STRUCTURE
- AVAILABILITY OF PRECUT PANELS AND SUPPORTS
- CROSS-PATTERN SUPPORT STRUCTURE
- FULLY INSPECTIONABLE
- TWO ACTIVATION SYSTEMS
- CUSTOMIZABLE ON REQUEST

GK120 is a metal radiant ceiling system particularly indicated for heating and cooling of open-space ambients such as offices, lounges, commercial spaces, airports, school buildings. Characterized by its 1200x1200 mm modularity, GK120 provides for installation of a cross-pattern support structure which embeds each panel completely. The hanging system is designed to offer the best suspended ceiling planarity. Panels can be micro-perforated or plain. Side compensation is generally made with plasterboard.

### GK60 SYSTEM



#### WHY CHOOSE IT?

- INDICATED FOR SMALL/MEDIUM OPEN-SPACE AMBIENTS
- AVAILABILITY OF PRE-CUT PANELS FOR INTEGRATION OF LIGHTING ELEMENTS
- STURDY BEARING STRUCTURE MADE BY SUPPORTS AND FINISHING HEADS
- PARALLEL-LAYING SUPPORT STRUCTURE
- FULLY INSPECTIONABLE
- TWO ACTIVATION SYSTEMS
- CUSTOMIZABLE ON REQUEST

GK60 is an extremely flexible metal radiant ceiling. Suitable for heating and cooling of medium/small open-space ambients such as meeting rooms, offices, hospital rooms. It is characterized by a 600x1200 mm modularity and provides for the installation of parallel-laying support structures, completed by the installation of head elements. The hanging system is designed to offer the best suspended ceiling planarity. Panels can be micro-perforated or plain. Side compensation is generally made with plasterboard.

### GK PSV SYSTEM



#### WHY CHOOSE IT?

- INDICATED FOR ANY KIND OF AMBIENT
- T24 CROSS-PATTERN SUPPORT STRUCTURE
- RAPID INSTALLATION
- FULLY INSPECTIONABLE
- TWO ACTIVATION SYSTEMS
- CUSTOMIZABLE ON REQUEST

GK PSV is a metal radiant ceiling for heating and cooling of medium-sized commercial ambients. Characterized by a 600x1200 mm/600x600 mm modularity, this system requires the installation of an exposed cross-pattern support structure with 24 mm base T-shaped supports. The hanging system is designed to offer the best suspended ceiling planarity. Panels can be micro-perforated or plain. Side compensation is generally made with plasterboard or cut-to-size loose panels.

## GKC SYSTEM



## PLASTERBOARD RADIANT PANELS

### WHY CHOOSE IT?

- INDICATED FOR RESIDENTIAL AND SIMILAR APPLICATIONS
- POSSIBILITY TO EASILY INTEGRATE ELEMENTS IN THE SUSPENDED CEILING
- DISTRIBUTION MANIFOLDS INSTALLED INSIDE INSPECTIONABLE TRAPDOORS
- MANIFOLD-FREE WALLS
- REDUCED PRESSURE LOSS SYSTEM

GKC is a radiant ceiling made by preassembled panels, featuring a plasterboard finish and using high quality and thermal performing materials. Designed with heating and cooling of residential buildings in mind, its field of application naturally extends to hotel rooms, commercial ambients and, more in general, residential buildings requiring a civil-type finish suspended ceiling. GKC panels are made by 10 mm-thick plasterboard sheets, an aluminium layer and an EPS insulation layer with 40 mm-thick graphite. The activation system includes a 16 mm copper coil embedded in the panel; the system design allowed to combine the heat technology requirements with lighting and architectural needs: the pipe inter-distance enables to easily install the lighting elements fitting them directly into the active panels.

## GKCS V.2.0 SYSTEM



### WHY CHOOSE IT?

- INDICATED FOR RESIDENTIAL OR SIMILAR APPLICATIONS
- POSSIBILITY TO EMBED DEVICES IN THE SUSPENDED CEILING
- WALLS NOT ENCUMBERED BY THE DISTRIBUTION MANIFOLDS
- INSPECTION DOORS FOR DIRECT ACCESS TO THE DISTRIBUTION MANIFOLDS

The GKCS v.2.0 radiant ceiling is made by preassembled plasterboard panels. Designed for heating and cooling of residential buildings but also suitable for applications in hotel rooms, commercial areas and, more in general, in buildings requiring a residential-finish suspended ceiling. GKCS v.2.0 panels are made of a 15 mm-thick plasterboard sheet and an EPS 30 mm-thick insulation layer. The activation system is situated between these two layers and includes one (or two, according to the panel dimensions) 8x1 mm PEX coil.

## GKCD SYSTEM



### WHY CHOOSE IT?

- WHY GKCD SYSTEM?
- REDUCED DIMENSIONS OF THE SYSTEM COMPONENTS
- NO CONNECTION FITTINGS REQUIRED
- USE OF PIPES WITH Ø16 MM EXTERNAL DIAMETER OR 1/2"

GKCD is a radiant ceiling system using 600x1200 mm EPS200 preformed panels coated with aluminium thermo-conductor sheets 0.3 mm thick where an external Ø16 mm or 1/2" plastic pipe is installed with a pipe pitch of 150 mm. In addition to holding the pipe, the aluminium thermo-conductor coating evenly distributes the thermal energy along the entire surface of the ceiling. The versatility of the components enables to install them directly on the ceiling or suspended ceiling. The system is completed by applying a plasterboard sheet.

## Metallic radiant suspended ceilings, series GK

### K60

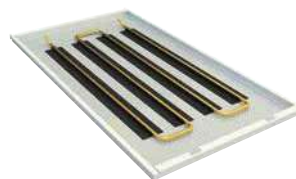
PRODUCT CODE	FINISH	COLOUR
<b>K60X501</b>	micro-perforated R2516	white RAL9010
<b>K60LX501</b>	plain	white RAL9010
<b>K60X701</b>	micro-perforated R2516	silver RAL9006
<b>K60LX701</b>	plain	silver RAL9006



Base panel 596x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Plain or perforated versions.

### K60C

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K60CX501</b>	C75	micro-perforated R2516	white RAL9010
<b>K60LX501</b>	C75	plain	white RAL9010
<b>K60CX701</b>	C75	micro-perforated R2516	silver RAL9006
<b>K60LX701</b>	C75	plain	silver RAL9006



Radiant panel 596x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 4 aluminum diffusers 75x700 mm and loop of copper pipe 12 mm. Plain or perforated versions.

### K60A

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K60AX501</b>	A220	micro-perforated R2516	white RAL9010
<b>K60LX501</b>	A220	plain	white RAL9010
<b>K60AX701</b>	A220	micro-perforated R2516	silver RAL9006
<b>K60LX701</b>	A220	plain	silver RAL9006



Radiant panel 596x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 2 aluminum diffusers 220x700 mm and loop of plastic pipe 16x1,5 mm with oxygen barrier. Solid or perforated versions.

### K120

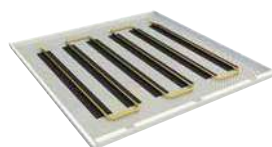
PRODUCT CODE	FINISH	COLOUR
<b>K120X501</b>	micro-perforated R2516	white RAL9010
<b>K120LX501</b>	plain	white RAL9010
<b>K120X701</b>	micro-perforated R2516	silver RAL9006
<b>K120LX701</b>	plain	silver RAL9006



Base panel 1030x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for crossed structure installation. Plain or perforated versions.

### K120C

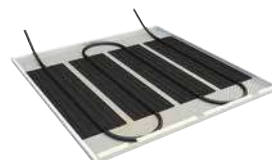
PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K120CX501</b>	C75	micro-perforated R2516	white RAL9010
<b>K120CX502</b>	C75	plain	white RAL9010
<b>K120CX701</b>	C75	micro-perforated R2516	silver RAL9006
<b>K120CX702</b>	C75	plain	silver RAL9006



Radiant panel 1030x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 6 aluminum diffusers 75x700 mm and loop of copper pipe 12 mm. Plain or perforated versions.

### K120A

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K120AX501</b>	A220	micro-perforated R2516	white RAL9010
<b>K120AX502</b>	A220	plain	white RAL9010
<b>K120AX701</b>	A220	micro-perforated R2516	silver RAL9006
<b>K120AX702</b>	A220	plain	silver RAL9006



Radiant panel 1030x1030 mm in zinc coated steel sheet 8/10 mm thickness, powder coated; for parallel structure installation. Activation with 4 aluminum diffusers 220x700 mm and loop of plastic pipe 16x1,5 mm with oxygen barrier. Plain or perforated versions.

# ➤ Metallic radiant suspended ceilings, series GK PSV

## K12

PRODUCT CODE	FINISH	COLOUR
<b>K12X300</b>	micro-perforated R2516	white RAL9003
<b>K12LX300</b>	plain	white RAL9003
<b>K12X200</b>	micro-perforated R2516	silver RAL9006
<b>K12LX200</b>	plain	silver RAL9006



Base panel 575x1175 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 1200x600 mm (Geeman version) and 2'x4' (American version).

## K12C

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K12CX300</b>	C75	micro-perforated R2516	white RAL9003
<b>K12LCX300</b>	C75	plain	white RAL9003
<b>K12CX200</b>	C75	micro-perforated R2516	silver RAL9006
<b>K12LCX200</b>	C75	plain	silver RAL9006



Base panel 575x1175 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x600 mm (Geeman version) and 2'x2' (American version). Activation with 6 aluminum diffusers 75x350 mm and loop of copper pipe 12 mm.

## K12A

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K12AX300</b>	A220	micro-perforated R2516	white RAL9003
<b>K12LAX300</b>	A220	plain	white RAL9003
<b>K12AX200</b>	A220	micro-perforated R2516	silver RAL9006
<b>K12LAX200</b>	A220	plain	silver RAL9006



Base panel 575x1175 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x1200 mm (German version) and 2'x4' (American version). Activation with 2 aluminum diffusers 220x700 mm and loop of plastic pipe 16x1.5 mm with oxygen barrier.

## K6

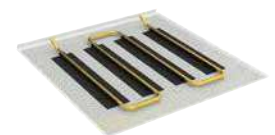
PRODUCT CODE	FINISH	COLOUR
<b>K6X300</b>	micro-perforated R2516	white RAL9003
<b>K6LX300</b>	plain	white RAL9003
<b>K6X200</b>	micro-perforated R2516	silver RAL9006
<b>K6LX200</b>	plain	silver RAL9006



Base panel 575x575 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x600 mm (German version) and 2'x2' (American version).

## K6C

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K6CX300</b>	C75	micro-perforated R2516	white RAL9003
<b>K6LCX300</b>	C75	plain	white RAL9003
<b>K6CX200</b>	C75	micro-perforated R2516	silver RAL9006
<b>K6LCX200</b>	C75	plain	silver RAL9006



Base panel 575x575 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Plain or perforated versions. Also available in 600x600 mm (Geeman version) and 2'x2' (American version). Activation with 4 aluminum diffusers 75x350 mm and loop of copper pipe 12 mm.

## K6A

PRODUCT CODE	ACTIVATION	FINISH	COLOUR
<b>K6AX300</b>	A220	micro-perforated R2516	white RAL9003
<b>K6LAX300</b>	A220	plain	white RAL9003
<b>K6AX200</b>	A220	micro-perforated R2516	silver RAL9006
<b>K6LAX200</b>	A220	plain	silver RAL9006

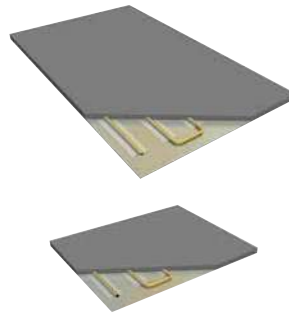


Base panel 575x575 mm in zinc coated and powder coated steel sheet 6/10 mm thickness; for T-bar crossed structure installation with metallic wires for suspension. Solid or perforated versions. Also available in 600x600 mm (German version) and 2'x2' (American version). Activation with 2 aluminum diffusers 220x350 mm and loop of plastic pipe 16x1.5 mm with oxygen barrier.

## ➤ Radiant plasterboard ceilings, series GKC

### KC120

PRODUCT CODE	SURFACE [M <sup>2</sup> ]	DIMENSIONS [MM]	HEAT DIFFUSERS	WEIGHT [KG]
<b>KC120Y200</b>	2,4	1200 x 2000 x 50	n. 6 (100x1700 mm)	39,1
<b>KC120Y100</b>	1,2	1200 x 1000 x 50	n. 6 (100x700 mm)	18,6
<b>KC120X300</b>	2,4	1200 x 2000 x 50	none (inactive)	22



Active type plasterboard panel. Made of a 10 mm sheet of plasterboard, a sheet of aluminium of 0,1 mm, acting as a steam barrier, and a 40 mm layer of EPS thermal insulation. Activated by thermal diffusers in aluminium and by a hydraulic circuit made with copper coil with 16 mm pipe. Opening in the insulating layer for the installation of an angled or straight fitting for the hydraulic connection.

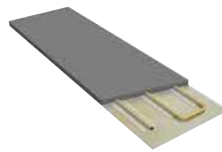
INACTIVE PANEL



Inactive type plasterboard panel. Made of a 10 mm sheet of plasterboard, a sheet of aluminium of 0,1 mm, acting as a steam barrier, and a 40 mm layer of EPS thermal insulation. To complete the suspended-ceiling made with the active panels KC60 and KC120.

### KC60

PRODUCT CODE	SURFACE [M <sup>2</sup> ]	DIMENSIONS [MM]	HEAT DIFFUSERS	WEIGHT [KG]
<b>KC60Y200</b>	1,2	600 x 2000 x 50	n. 3 (100x1700 mm)	19,5
<b>KC60Y120</b>	0,72	600 x 1200 x 50	n. 3 (100x900 mm)	14,5



Active type plasterboard panel. Made of a 10 mm sheet of plasterboard, a sheet of aluminium of 0,1 mm, acting as a steam barrier, and a 40 mm layer of EPS thermal insulation. Activated by thermal diffusers in aluminium and by a hydraulic circuit made with copper coil with 16 mm pipe. Opening in the insulating layer for the installation of an angled or straight fitting for the hydraulic connection.

## ➤ Radiant plasterboard ceilings, series GKCD

### R883-1

PRODUCT CODE	SIZE		
<b>R883Y101</b>	T150 - h28	11,52	-



Insulating panel in expanded polystyrene. Joint combined with a thermoconductor profile constituted by an aluminum foil 0,3 mm thickness. It allows the passage of the pipes in both directions, and if necessary at 45° (by removing a perform part of the sheet). Panel dimension: 1200 x 600 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

### R884

PRODUCT CODE	SIZE		
<b>R884Y101</b>	h28	5,76	-



Insulating header panels for the passage of the service pipe lines and the support of the circuit bending. Expanded polystyrene plates. Plate dimensions: 600 x 300 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

# ➤ Radiant plasterboard ceilings, series GKCS V.2.0

## KS120

### STANDARD PLASTERBOARD

PRODUCT CODE	SURFACE [M <sup>2</sup> ]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
<b>KS120Y200</b>	2,4	1200 x 2000 x 45	n. 2	30
<b>KS120X300</b>	2,4	1200 x 2000 x 45	none (inactive)	30

### WATERPROOF PLASTERBOARD

PRODUCT CODE	SURFACE [M <sup>2</sup> ]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
<b>KS120I200</b>	2,4	1200 x 2000 x 45	n. 2	30
<b>KS120I300</b>	2,4	1200 x 2000 x 45	none (inactive)	30



Active type plasterboard panel. Comprised of a 15 mm plasterboard sheet and a 30 mm layer of expanded polystyrene thermal insulation (EPS). Activation including two 8 x 1 mm PEX pipe hydraulic circuits with anti-oxygen barrier.

INACTIVE PANEL



Inactive type plasterboard panel. Comprised of a 15 mm plasterboard sheet and a 30 mm layer of expanded polystyrene thermal insulation (EPS). To complete the suspended-ceiling made with the active panels KS60 and KS120.

## KS60

### STANDARD PLASTERBOARD

PRODUCT CODE	SURFACE [M <sup>2</sup> ]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
<b>KS60Y200</b>	1,2	600 x 2000 x 45	n. 1	15
<b>KS60Y120</b>	0,72	600 x 1200 x 45	n. 1	9

### WATERPROOF PLASTERBOARD

PRODUCT CODE	SURFACE [M <sup>2</sup> ]	DIMENSIONS [MM]	HYDRAULIC CIRCUITS	WEIGHT [KG]
<b>KS60I200</b>	1,2	600 x 2000 x 45	n. 1	15
<b>KS60I120</b>	0,72	600 x 1200 x 45	n. 1	9



Active type plasterboard panel. Comprised of a 15 mm plasterboard sheet and a 30 mm layer of expanded polystyrene thermal insulation (EPS). Activation including two 8 x 1 mm PEX pipe hydraulic circuits with anti-oxygen barrier.

### SERIES GKCD - APPLICATION EXAMPLES



Installation of metal structure with 300 mm pitch



R884 head panels cut to measure



Installation and fitting of head panels on the metal support structure with 35 mm screws



Installation and fitting of R883-1 panels and pipes along the preformed panel and head housings



Installation of zone inspection trapdoors where the distribution manifolds are installed



Installation and fitting of plasterboard sheets on the support structure after pressure test performed according to the rules in force



## R883-1

PRODUCT CODE	SIZE		
R883Y101	T150 - h28	11,52	-



Insulating panel in expanded polystyrene. Joint combined with a thermoconductor profile constituted by an aluminum foil 0,3 mm thickness. It allows the passage of the pipes in both directions, and if necessary at 45° (by removing a perform part of the sheet). Panel dimension: 1200 x 600 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

**INFO**  
THERMAL RESISTANCE  
R883Y101: 0,65 (m²K)/W

## R884

PRODUCT CODE	SIZE		
R884Y101	h28	5,76	-

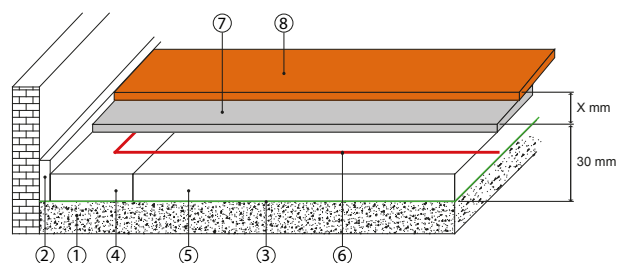


Insulating header panels for the passage of the service pipe lines and the support of the circuit bending.

Expanded polystyrene plates. Plate dimensions: 600 x 300 mm. 28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

**INFO**  
THERMAL RESISTANCE  
R884Y101: 0,50 (m²K)/W

1	Support base layer (slab)
2	Wall insulation, series K369A
3	Protective layer in polyethylene impermeable to water vapour, series R984
4	Thermoformed, aluminised head panel, series R884, for holding the transfer pipes and the circuit bend support
5	Pre-shaped panel, series R883-1, coupled for interlock with an aluminium thermoconductor plate
6	Pipe in plastic material or multilayer, with a maximum external diameter of 17 mm
7	Double layer of galvanised steel plates, acting as a support layer, series K805P and K805P-1
8	Finish



## K805P

PRODUCT CODE	SIZE		
K805PY003	600 x 300 x 1 mm	3,60	-
K805PY004	600 x 600 x 1 mm	3,60	-



Galvanized steel sheet for load distribution in radiant dry systems.

## K805P-1

PRODUCT CODE	SIZE		
K805PY023	600 x 300 x 1 mm	3,60	-
K805PY024	600 x 600 x 1 mm	3,60	-



Galvanized steel sheet with adhesive side, for load distribution in radiant dry systems.

## K809

PRODUCT CODE	SIZE		
K809Y001	50 x 26 mm	1	100



Fixing clips for dry radiant system.

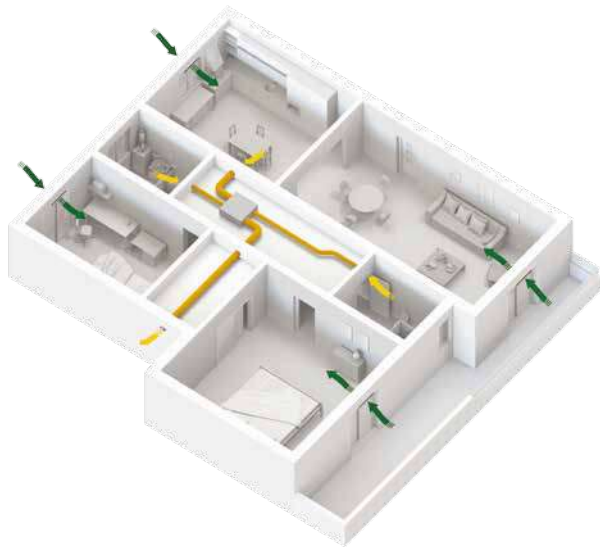
## ➤ Air treatment units



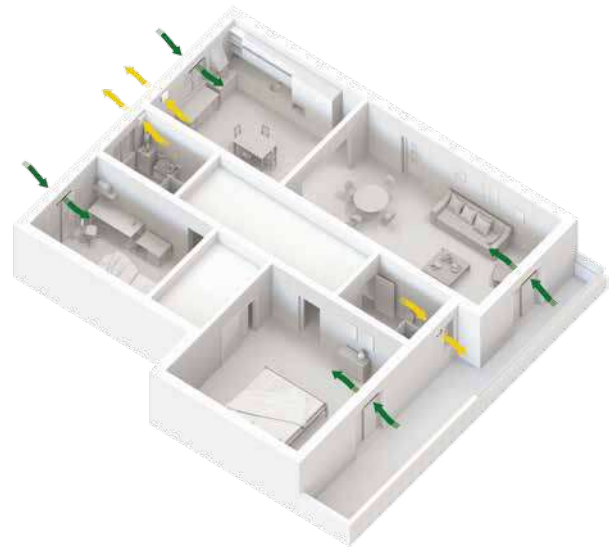
In an increasingly demanding housing market, a modern building that wants to be appealing has to focus on high energy consumption classes obtained thanks to the best possible insulation. This means air-conditioning in the summer, and often controlled mechanical ventilation as well, to ensure the perfect quality of the air in the rooms. In modern climate control systems (including residential ones), summer cooling has therefore become an indispensable need. The range of products includes flush-mounting units (for both walls and ceiling) for dehumidification alone, or with an integrated cooling function for areas with higher temperature levels.

### EXAMPLE OF INSTALLATION

SIMPLE-FLOW SYSTEM WITH EXTRACTION DUCT-TYPE VENTILATION UNIT.



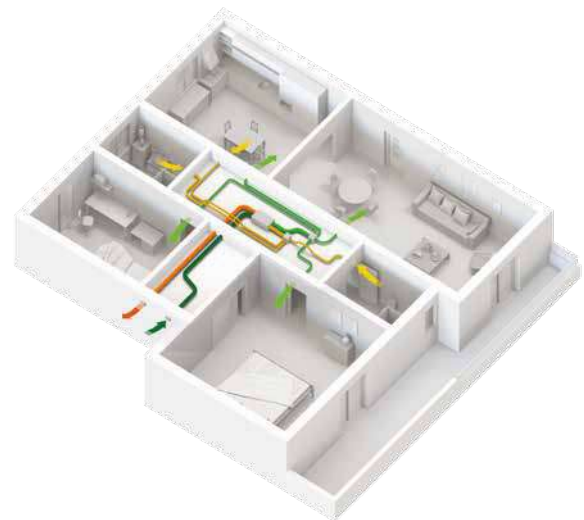
SIMPLE-FLOW SYSTEM WITH EXTRACTION FANS.



ALTERNATED SIMPLE-FLOW SYSTEM WITH STATIC HEAT RECOVERY.



DOUBLE-FLOW SYSTEM WITH CENTRALIZED EXTRACTION AND EXCHANGE UNIT.



VHR Systems

Ventilation systems with heat recovery in Giacomini installations is generally represented by a double-flow centralized VMC system: the ventilating unit, known as heat recuperator, provides air exchange in adjoining rooms by extracting exhausted air through special ducts while introducing fresh air with heat recovery. Air treatment also available (dehumidification with or without sensible integration).

As for simple-flow systems, this document only considers those consisting of alternated single-flow decentralized or pinch-point heat recuperators and extraction pinch-point fans (decentralized VMC).

Hygiene and Health

- Automatic and continuous air exchange
- Control of internal polluting agents
- Reduction of polluting agents from the outside (particulates)
- Absence of mold proliferation caused by air humidity
- Healthy indoor comfort, guaranteed 24/7
- Improvement of indoor climate for individuals affected by allergies or breathing problems

Safety and e comfort

- No air droughts and sudden changes of temperature
- Noise- and insect-free as air exchange is obtained with closed windows
- Limitation of domestic intrusions caused by open windows
- Evacuation of room smells
- Control of room humidity
- Noise-free operation also at night
- Ideal indoor comfort with radiant system
- Safety against condensation in radiant air conditioning systems
- Adaptability to seasonal climate conditions

Money-saving and environment

- Limited heat dispersions
- Heating and air conditioning system units with smaller dimensions thanks to energy recovery
- Limited activation of heating and cooling systems thanks to sensible and latent heat recovery of exhausted air
- Efficient use of energy and consequent reduction of polluting emissions into the atmosphere
- State-of-the-art refrigerating circuits and coolants to guarantee greater energy efficiency and environment protection
- Ventilation system repaying itself in time with energy saving
- Improvement of the building energy performance
- Increase and preservation of building market value
- Tax reliefs inc compliance with laws in force

## KDP

### UNIT

PRODUCT CODE	SIZE		
<b>KDPHY024</b>	Dehumidification	1	-
<b>KDPRHY024</b>	Dehumidification + integration	1	-

### ACCESSORIES

PRODUCT CODE	SIZE		
<b>KDPCY024</b>	Outer casing	1	-
<b>KDPFY024</b>	Front panel	1	-

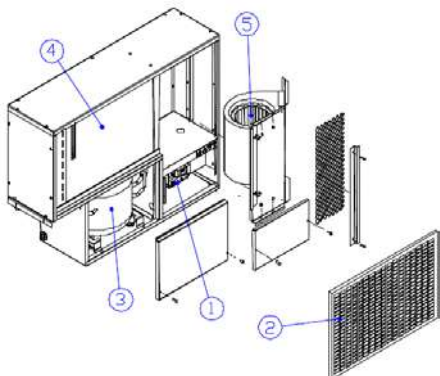


Monobloc unit for humidity control, flush-mounting installation in the wall and combined with radiant cooling systems. Temperature working range 15-30 °C. Power supply 230 V. Refrigerant gas R290.

#### INFO

**KDPHY024**  
Dehumidification capacity 23 l/24h.  
Air flow rate 200 m³/h

**KDPRHY024**  
Dehumidification capacity 23 l/24h.  
Air flow rate 200 m³/h in dehumidification mode and 300 m³/h in integration mode.



- (1) Electric command panel compartment,  
(2) Suction air filter, (3) Refrigeration compressor,  
(4) Finned coil, (5) Fan.



OUTER CASING



FRONT PANEL

# KDS

## UNIT

PRODUCT CODE	SIZE		
<b>KDSHY026</b>	Dehumidification	1	-
<b>KDSRHY026</b>	Dehumidification + integration	1	-
<b>KDSRHY350</b>	Dehumidification + integration	1	-

## ACCESSORIES

PRODUCT CODE	SIZE		
<b>KDSPLY026</b>	Delivery plenum for KDS...26	1	-
<b>KDSPLY350</b>	Delivery plenum for KDSRHY350	1	-



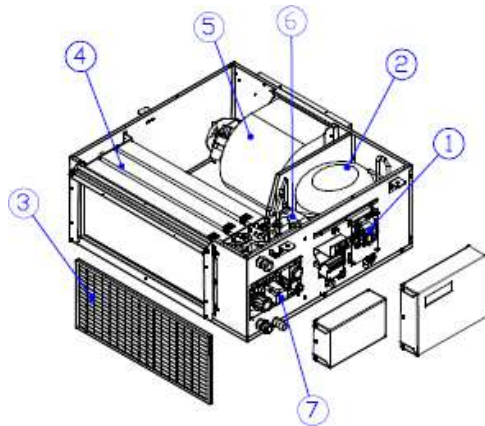
Monobloc unit for humidity control, flush-mounting installation in the ceiling and combined with radiant cooling systems. Temperature working range 15÷30 °C. Power supply 230 V. Refrigerant gas R290.

### INFO

**KDSHY026**  
Dehumidification capacity 24,7 l/24h.  
Air flow rate 200 m³/h.

**KDSRHY026**  
Dehumidification capacity 24,7 l/24h.  
Air flow rate 200 m³/h in dehumidification mode and 300 m³/h in integration mode.

**KDSRHY350**  
Air flow rate 350 m³/h.



(1) Electric command panel compartment, (2) Cooling compressor, (3) Suction air filter, (4) Finned coil, (5) Fan (6) Plate exchanger, (7) Valve compartment.



4-WAY DELIVERY PLENUM



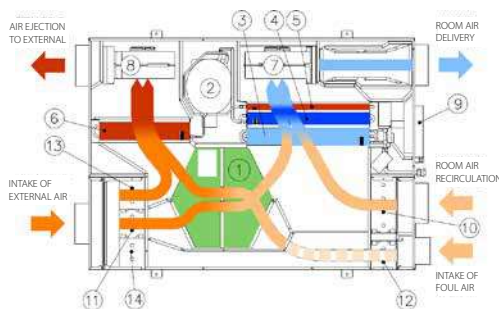
6-WAY DELIVERY PLENUM

# KDV

PRODUCT CODE	SIZE		
<b>KDVRWY300</b>	Water condensation	1	-
<b>KDVRAY360</b>	Air condensation	1	-
<b>KDVRAY500</b>	Air condensation	1	-



Monobloc unit for ventilation, dehumidification and integration of sensible power, flush-mounting installation in the ceiling and combined with radiant cooling systems. Temperature working range 15÷30 °C. Power supply 230 V. Refrigerant gas R134a. Total flow rate 220÷360 m³/h. External air flow rate 90÷220 m³/h. Dehumidification capacity 25 l/24 h (referred to internal rooms).



(1) Air/air heat recuperator, (2) Refrigerating compressor, (3) Water-powered finned coil, (4) Refrigerating evaporator, (5) Freon/air condenser (6) Freon/water disposal condenser, (7) Room delivery fan, (8) Ejection fan, (9) Electric panel, (10) Room air recirculation damper, (11) Exchange air intake damper, (12) Foul air intake damper, (13) Auxiliary air intake damper, (14) Recuperator by-pass damper.

**Chapter 10** To ensure greater efficiency for the building/system and the reduction of polluting emissions, the centralised heating system is once again becoming popular in the new condominiums. Each condominium, however, wants to manage ON/OFF times and comfort temperatures autonomously, paying only for what has actually been consumed. To meet these needs, we've produced a complete series of solutions for directly metering thermal energy. Together with individual thermoregulation, they allow you to combine the advantages of a centralised system with those of an autonomous one.

---



## Direct and indirect thermal energy metering



### *Products*

- 222 User modules for direct metering
- 226 Heat interface units for direct metering
- 233 Thermal energy meters, water meters, data centralization systems
- 238 Indirect metering (heat cost allocators)
- 240 Basic units and accessories  
(boxes, templates, insulations, other components)

## ➤ User modules for direct metering

### GE555

STANDARD

PRODUCT CODE	CONNECTIONS	DIMENSIONS (L X H X D) mm	BALANCING	UNITS FOR DOMESTIC WATER METERS		
GE555Y461	3/4"	500 x 500 x 110±160	Only by-pass	2	1	-
GE555Y462	3/4"	600 x 600 x 110±160	Static	3	1	-
GE555Y463	1"	600 x 600 x 110±160	Static	3	1	-
GE555Y468	3/4"	600 x 600 x 110±160	Dynamic	3	1	-
GE555Y469	1"	600 x 600 x 110±160	Dynamic	3	1	-
GE555Y472	3/4"	600 x 600 x 145±195	Only by-pass - with double delivery	2	1	-



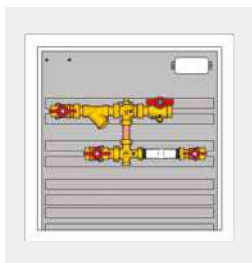
User module for centralized heating and/or cooling systems.

- Shut-off ball valves
- Motorizable zone valve
- Guide rails for installation of domestic and/or service water metering units
- Plastic spacer for installation of thermal energy meter
- Box with terminal board for electric connections
- Housing for thermal energy meter delivery temperature probe, built into the shut-off valve
- Painted sheet metal cabinet (RAL9010) with lockable door and adjustable frame depth
- Fittings for connection and fixing
- Max. working temperature 110 °C (90 °C with plastic spacer)
- Max. working pressure 16 bar (10 bar with plastic spacer).

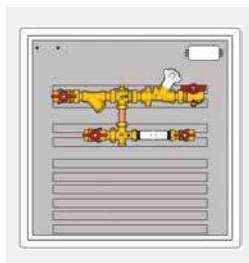
#### ⓘ INFO

To complete the GE555 module, the following may be ordered separately:

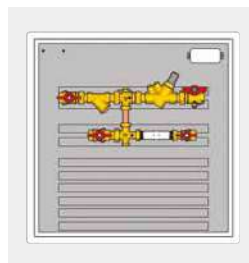
- Thermal energy meter, GE552 series
- Units for domestic/service water, GE550 or GE550-1 series
- Actuator for commanding the zone valve, K270
- Insulation, GE551-4 series
- Components for M-Bus data centralization (GE552-4 series), or Wireless M-Bus data centralization (GE552-W series)



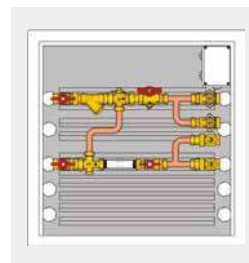
GE555Y461



GE555Y462 - GE555Y463



GE555Y468 - GE555Y469



GE555Y472

## GE555-2

MULTIUSER MODULES

### FOR 2 APARTMENTS

PRODUCT CODE	CONNECTIONS	N° OF APARTMENTS		
GE551Y040	3/4" or 1"	2	1	-

GE551Y040 metal cabinet.

It can be used as a multiuser module for centralized heating and/or cooling systems.

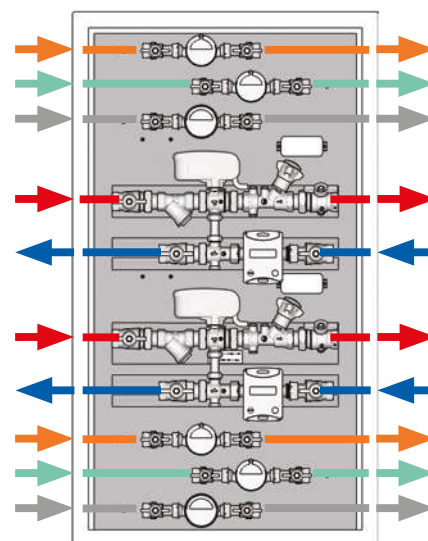
- Guide rails for installation of thermal energy metering units (maximum 2 outputs)
- Guide rails for installation of domestic and/or service water metering units (maximum 6 outputs)
- Boxes with terminal boards for electrical connections

Dimensions: 600 x 1100 x 110+160 mm

#### ① INFO

For use as a multiuser module for 2 apartments, the cabinet must be fitted with the following components:

- Thermal energy metering units, GE550-2 series
- Thermal energy meters, GE552 series
- Units for domestic/service water, GE550 series
- Actuator for commanding the zone valve, K270
- Insulation, GE551-4 series
- Components for M-Bus data centralization (GE552-4 series), or Wireless M-Bus data centralization (GE552-W series)



Finishing components, in light grey

**DELIVERY**

**RETURN**

**DOMESTIC HOT WATER**

**DOMESTIC COLD WATER**

**SERVICE WATER**

### FOR 3 OR 4 APARTMENTS

PRODUCT CODE	CONNECTIONS	N° OF APARTMENTS		
GE555Y135	3/4" or 1"	3	1	-
GE555Y136	3/4" or 1"	4	1	-

Multiuser module for centralized heating and/or cooling systems.

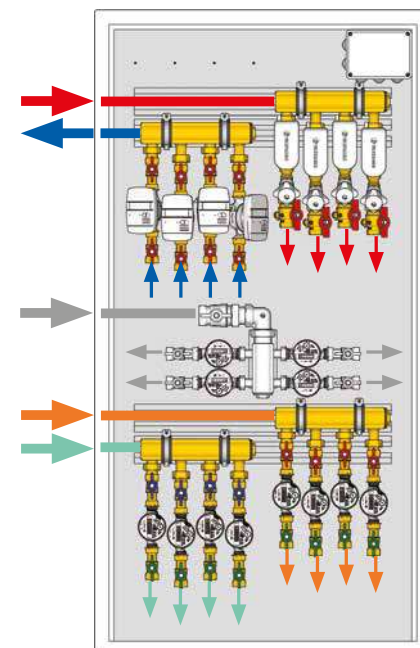
- Thermal energy metering units (3 or 4 depending on codes)
- Domestic metering units (3 or 4 depending on codes)
- Guide rails for installation of multiuser units (4 outputs) for service water
- Box with terminal board for electrical connections

Dimensions: 750 x 1500 x 190 mm

#### ① INFO

To complete the MULTIUSER module, the following may be ordered separately:

- Thermal energy meters, GE552 series
- Domestic/service water meters, GE552-2 series
- Multiuser unit (4 outputs) for service water, code GE550Y148
- Actuator for commanding the zone valve, K270
- Insulation, GE551-4 series
- Components for M-Bus data centralization (GE552-4 series)



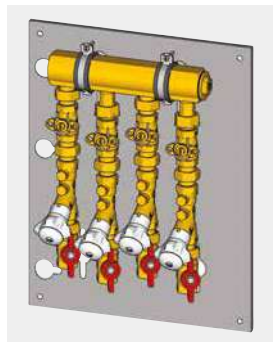
Finishing components, in light grey



Delivery & return metering units.

- Shut-off ball valves
- Plastic spacer for installation of thermal energy meter (the thermal energy meter must be installed splitting the volumetric part from the display)
- Depending on the version, multiuser units for domestic water, heating and/or cooling or universal metallic template units, are available
- Depending on the version, balancing valve units, motorizable zone valve, motorizable mixing valve, are available
- Max. working temperature 110 °C (90 °C with plastic spacer)
- Max. working pressure 16 bar (10 bar with plastic spacer)

## GE550Y147 - GE550Y117

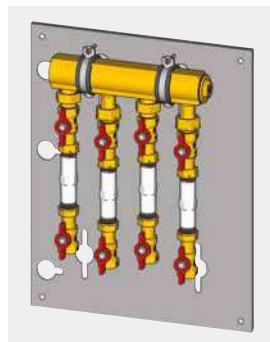


- Delivery heating/cooling units.
- Guides to move the position of the collars in vertical direction
  - Zone valves (motorizable with K270 actuators)
  - Static balancing valves
  - Shut-off ball valves with housing for thermal energy meter delivery temperature probe
  - Possibility of installation of the fifth zone (code GE550Y094)

Frame dimensions: 390 x 495 x 160 mm

PRODUCT CODE	CONNECTIONS	ZONES	☐	☒
<b>GE550Y147</b>	1 1/4" x 3/4"	4	1	-
<b>GE550Y117</b>	1 1/4" x 3/4"	3	1	-

## GE550Y146 - GE550Y116

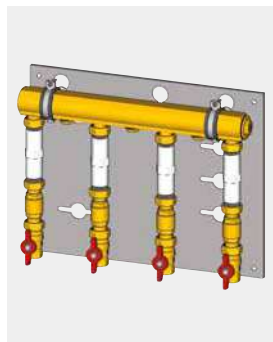


- Return heating/cooling units.
- Guides to move the position of the collars in vertical direction
  - Plastic spacer for installation of 3/4" thermal energy meters, GE552 series
  - Shut-off ball valve
  - Possibility of installation of the fifth zone (code GE550Y093)

Frame dimensions: 390 x 495 x 110 mm

PRODUCT CODE	CONNECTIONS	ZONES	☐	☒
<b>GE550Y146</b>	1 1/4" x 3/4"	4	1	-
<b>GE550Y116</b>	1 1/4" x 3/4"	3	1	-

## GE550Y145 - GE550Y115

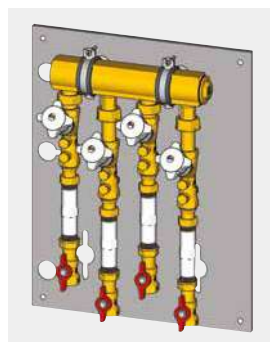


- Delivery heating/cooling units.
- Guides to move the position of the collars in vertical direction
  - Plastic spacer for installation of circulator 15/7
  - Increased port check valves (size 1")
  - Shut-off ball valves with housing for thermal energy meter delivery temperature probe
  - Possibility of installation of the fifth zone (code GE550Y092)

Frame dimensions: 495 x 390 x 115 mm

PRODUCT CODE	CONNECTIONS	ZONES	☐	☒
<b>GE550Y145</b>	1 1/4" x 3/4"	4	1	-
<b>GE550Y115</b>	1 1/4" x 3/4"	3	1	-

## GE550Y144 - GE550Y114

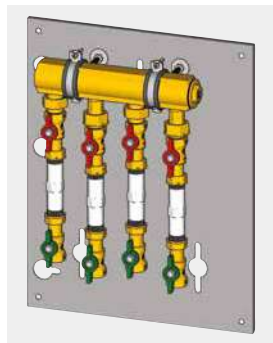


- Return heating/cooling units.
- Guides to move the position of the collars in vertical direction
  - Static balancing valves
  - Plastic spacer for installation of 3/4" thermal energy meters, GE552 series
  - Shut-off ball valve
  - Possibility of installation of the fifth zone (code GE550Y091)

Frame dimensions: 390 x 495 x 160 mm

PRODUCT CODE	CONNECTIONS	ZONES	☐	☒
<b>GE550Y144</b>	1 1/4" x 3/4"	4	1	-
<b>GE550Y114</b>	1 1/4" x 3/4"	3	1	-

## GE550Y112 - GE550Y113

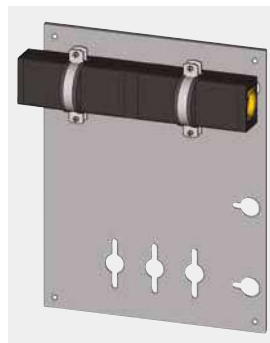


- Domestic water units.
- Guides to move the position of the collars in vertical direction
  - Plastic spacer for installation of 3/4" water meters, GE552-2 series
  - Shut-off ball valves, upstream and downstream of the spacer
  - Shut-off valves with check valves (green T-handle)
  - Possibility of installation of the fifth zone (code GE550Y090)

Frame dimensions: 390 x 495 x 160 mm

PRODUCT CODE	CONNECTIONS	ZONES	☐	☒
<b>GE550Y112</b>	1 1/4" x 3/4"	4	1	-
<b>GE550Y113</b>	1 1/4" x 3/4"	3	1	-

## GE550Y149



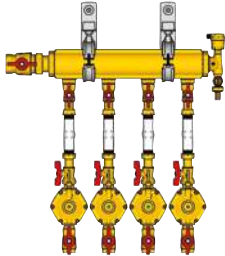
- Universal multiuser metallic frame.
- Metallic frame with insulated manifold (size 1 1/4" x 3/4")
  - 2÷4 zones with 3/4" units GE550, GE550-1 or GE550-2 series
  - 2÷4 heating/cooling/domestic zones

NOTE: for the manifold-units connection, please order separately the fittings R189DY004

Frame dimensions: 495 x 390 x 115 mm

PRODUCT CODE	CONNECTIONS	ZONES	☐	☒
<b>GE550Y149</b>	1 1/4" x 3/4"	2÷4	1	-

**GE550Y172 - GE550Y173 - GE550Y174 - GE550Y175 - GE550Y176**



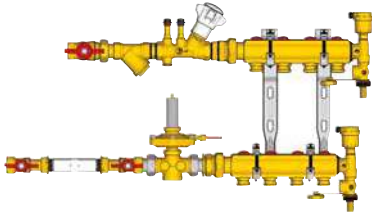
Multiuser heating/cooling module.

- Filter
- Static balancing valve on the delivery outputs
- Differential pressure controller on the return outputs
- Plastic spacer on the return outputs, for installation of GE552 thermal energy meters
- Distribution manifolds with automatic air vent and drain tap

PRODUCT CODE	CONNECTIONS	MANIFOLDS OUTPUTS	DELIVERY MODULE LENGHT mm	RETURN MODULE LENGHT mm		
<b>GE550Y172</b>	1 1/4" x 3/4"	2	750	555	1	-
<b>GE550Y173</b>	1 1/4" x 3/4"	3	750	555	1	-
<b>GE550Y174</b>	1 1/4" x 3/4"	4	750	555	1	-
<b>GE550Y175</b>	1 1/4" x 3/4"	5	850	655	1	-
<b>GE550Y176</b>	1 1/4" x 3/4"	6	950	755	1	-

Delivery module dimensions: 750+950 x 415 x 310 mm  
Return module dimensions: 555+755 x 640 x 310 mm

**GE550Y192 - GE550Y193 - GE550Y194 - GE550Y195 - GE550Y196**



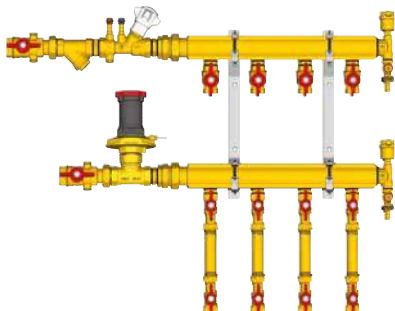
Multiuser heating/cooling module.

- Filter
- Static balancing valve
- Differential pressure controller
- Plastic spacer for installation of GE552 thermal energy meter
- Distribution manifolds with automatic air vent and drain tap

PRODUCT CODE	CONNECTIONS	MANIFOLDS OUTPUTS	LENGHT mm		
<b>GE550Y192</b>	3/4" x base 18	2	585	1	-
<b>GE550Y193</b>	3/4" x base 18	3	635	1	-
<b>GE550Y194</b>	3/4" x base 18	4	685	1	-
<b>GE550Y195</b>	3/4" x base 18	5	735	1	-
<b>GE550Y196</b>	3/4" x base 18	6	785	1	-

Dimensions: 585+785 x 390 x 110 mm

**GE553Y132 - GE553Y133 - GE553Y134 - GE553Y135 - GE553Y136 - GE553Y232 - GE553Y233 - GE553Y234 - GE553Y235 - GE553Y236**



Multiuser heating/cooling module.

- Filter
- Static balancing valve
- Differential pressure controller
- Brass spacer on the return outputs, for installation of GE552 thermal energy meters
- Distribution manifolds with automatic air vent and drain tap

PRODUCT CODE	CONNECTIONS	MANIFOLDS OUTPUTS	LENGHT mm		
<b>GE553Y132</b>	1" x 3/4"	2	630	1	-
<b>GE553Y133</b>	1" x 3/4"	3	730	1	-
<b>GE553Y134</b>	1" x 3/4"	4	830	1	-
<b>GE553Y135</b>	1" x 3/4"	5	930	1	-
<b>GE553Y136</b>	1" x 3/4"	6	1030	1	-
<b>GE553Y232</b>	1 1/4" x 3/4"	2	700	1	-
<b>GE553Y233</b>	1 1/4" x 3/4"	3	800	1	-
<b>GE553Y234</b>	1 1/4" x 3/4"	4	900	1	-
<b>GE553Y235</b>	1 1/4" x 3/4"	5	1000	1	-
<b>GE553Y236</b>	1 1/4" x 3/4"	6	1100	1	-

Dimensions: 625+1100 x 660 x 120 mm

## Heat interface units for direct metering

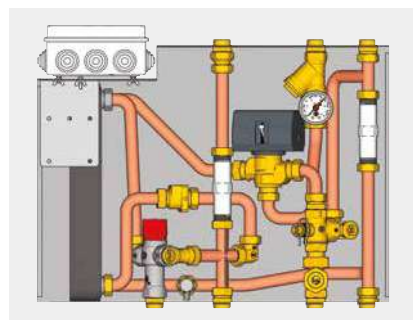
### GE556

PRODUCT CODE	CONNECTIONS	MAIN FEATURES	POWER EXCHANGER		
GE556Y301	3/4"	Priority valve	44 kW	1	-
GE556Y302	3/4"	Priority valve	58 kW	1	-
GE556Y314	3/4"	Softened water management	44 kW	1	-

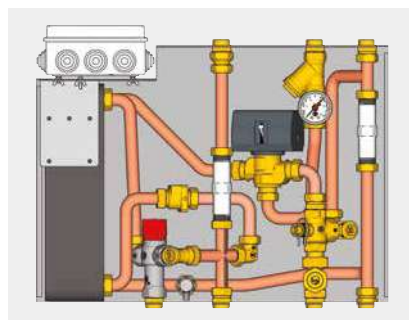
Heat Interface Unit (HIU) for centralized systems, for managing heating and domestic hot water production.

- Heat exchanger for instantaneous production of domestic hot water
- Filter and housing for delivery temperature probe, on the primary side
- Motorizable zone valve and lockshield for static balancing, on the heating side
- Pre-arrangement for housing the HIU inside a metallic template fitted with shut-off valves
- Plastic spacers for installation of thermal energy meter and domestic water meter
- Box with terminal board for electric connections
- Fittings for connection and fixing
- Max. working temperature: 90 °C
- Max. working pressure: 16 bar (10 bar with plastic spacer)

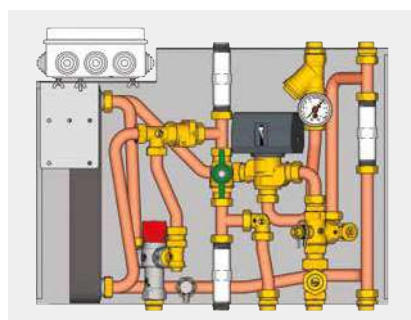
Dimensions: 540 x 390 x 155 mm



GE556Y301



GE556Y302



GE556Y314

STANDARD



#### INFO

To complete the GE556 HIU, the following may be ordered separately:

- Thermal energy meter, GE552 series
- Domestic water meter, GE552-2 series
- Actuator for commanding the zone valve, K270
- Template for installation in building site, GE551-2 series
- Additional valve kit (only for GE556Y314)
- Components for M-Bus data centralization (GE552-4 series), or Wireless M-Bus data centralization (GE552-W series)

For all the versions, the exchanger power refers to the following operation conditions:

- Primary side 75 °C, flow rate 1 m<sup>3</sup>/h
- Secondary side 15-50 °C, 18 l/min  
(24 l/min for GE556Y302)

For the versions with big exchanger (GE556Y302, GE556Y303), the power can be considered equal to 44kw to the following operating conditions:

- Primary side 65 °C, flow rate 1 m<sup>3</sup>/h
- Secondary side 15-50 °C, 18 l/min

# GE556-1

DOUBLE HEAT EXCHANGER

PRODUCT CODE	CONNECTIONS	MAIN FEATURES	HEAT EXCHANGER POWER	TEMPLATES		
GE556Y171	3/4"	Heating	17,4 kW	GE551Y081	1	-
GE556Y176	3/4"	Heating / Domestic water production	17,4 kW / 56 kW	GE551Y082	1	-
GE556Y177	3/4"	Heating / Domestic water production	17,4 kW / 67 kW	GE551Y082	1	-

Heat Interface Unit (HIU) with a double heat exchanger, for centralized systems for high and low temperature heating and production of domestic hot water (only for GE556Y176-Y177).

- Heat exchanger to separate the secondary heating circuit from the primary circuit of the condominium
- Heat exchanger for the instantaneous production of domestic hot water (except GE556Y171)
- Self-regulating circulator, which conforms to directive ErP (2009/125/EC), expansion tank, safety valve, manometer, pressure switch, automatic air vent valve, on heating side
- Thermostatic control of the heating temperature (possibility of high and low temperature)
- Automated zone valve, on heating side
- Priority control in the production of domestic hot water (except GE556Y171)
- TMV2+TMV3+WRAS-certified anti-scalding thermostatic mixer (except GE556Y171)
- Adjustable by-pass, dynamic balancing valve, primary side (except for the by-pass, there is no primary flow when the HIU is not active), automatic air vent
- Pre-arrangement for housing the HIU inside a metallic template fitted with shut-off valves
- Brass spacers for installation of thermal energy meter and domestic water meter
- Box with terminal board for electric connections
- Max. working temperature: 90 °C
- Max. working pressure: 16 bar

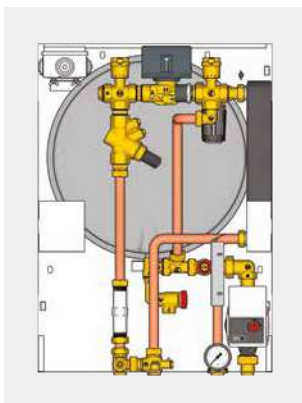
Dimensions: 450 x 630 x 180 mm



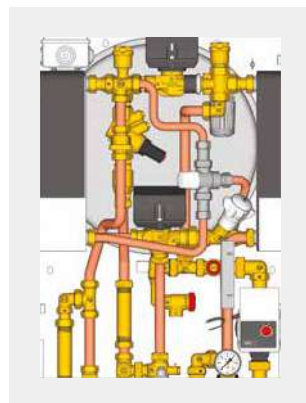
### INFO

To complete the GE556-1 HIU, the following may be ordered separately:

- Thermal energy meter, GE552 series
- Domestic water meter, GE552-2 series
- Actuator for commanding the zone valve, K270
- Template for installation in building site, GE551 series
- Components for M-Bus data centralization (GE552-4 series), or Wireless M-Bus data centralization (GE552-W series)



GE556Y171



GE556Y176 - GE556Y177

# GE556-2

PRODUCT CODE	CONNECTIONS	MAIN FEATURES	EXCHANGER POWER	TEMPLATES		
GE556Y401	3/4"	Heating / Domestic water production	58 kW	GE551Y074	1	-
GE556Y402	3/4"	Heating / Domestic water production	67 kW	GE551Y074	1	-

High-efficiency electronic Heat Interface Unit (HIU) for centralized systems, for managing high/low temperature heating and hot domestic water production.

- Heat exchanger for the instantaneous production of domestic hot water
- Flow switch for domestic hot water priority command
- Three-way motorized diverting valve
- Two-way motorized mixing valve
- Self-modulating circulator complying with ErP Directive (2009/125/EC)
- Filter and manual air-vent valve on primary side
- Adjustable by-pass and static balancing lockshield on heating side
- Thermal safety valve on heating side
- Safety pressure switch for low pressure
- Fully insulated pipes
- Electronic thermoregulation unit with fixed point (Set-Point) for managing the domestic hot water temperature and the climatic heating curve, with external probe support (included)
- Remote command for parameter management, with visualisation display
- Domestic hot water temperature control probes (heating and primary return)
- Box with terminal board for electric connections
- Brass and plastic spacers for installation of thermal energy meter and domestic water meter
- Energy savings: reduction of the flow rate requested from the primary line, and reduction of the primary return temperatures
- Heating temperature range: low temperature: 25+45 °C / high temperature: 25+85 °C
- Domestic hot water temperature range: 30+60 °C (Set-Point 48 °C)
- Max. working temperature: 90 °C
- Max. working pressure: 6 bar

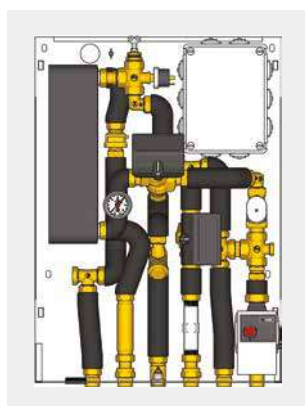
Dimensions: 450 x 630 x 180 mm



**INFO**

To complete the GE556-2 HIU, the following may be ordered separately:

- Thermal energy meter, GE552 series
- Domestic water meter, GE552-2 series
- Templates for installation in building site, GE551-2 series
- Components for M-Bus data centralization (GE552-4 series), or Wireless M-Bus data centralization (GE552-W series)



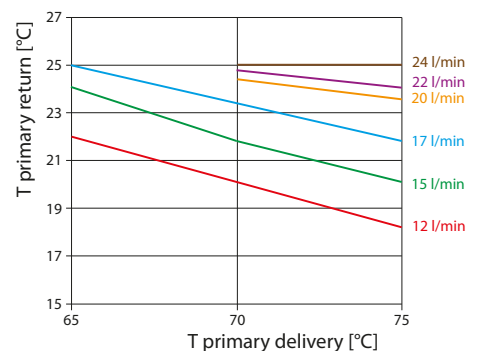
GE556Y401 - GE556Y402



**K480Y002**  
Thermostat with remote command. Provided with the HIU



**ENERGY SAVING FEATURES**

Low return temperatures of primary side, in heating operation



## GE556-4

WITH DIFFERENTIAL PRESSURE CONTROL VALVE

PRODUCT CODE	CONNECTIONS	MAIN FEATURES	EXCHANGER POWER	TEMPLATES		
GE556Y320	3/4"	High temperature heating/ Domestic water production	17,4 kW	GE551Y075	1	-
GE556Y321	3/4"	High temperature heating/ Domestic water production		GE551Y075		
GE556Y322	3/4"	Low temperature heating/ Domestic water production	17,4 kW / 56 kW	GE551Y075	1	-
GE556Y323	3/4"	Low temperature heating/ Domestic water production	17,4 kW / 67 kW	GE551Y075	1	-

Heat Interface Unit (HIU) for centralized systems, for managing high/low temperature heating and hot domestic water production.

- Heat exchanger for instantaneous production of domestic hot water
- Flow switch for domestic hot water priority control
- Motorized three-way diverting valve
- Self-modulating circulator complying with Directive ErP 2009/125/EC (only for GE556Y322-323)
- Static balancing valve (only for GE556Y320-321)
- Thermostatic valve for adjusting the domestic hot water and heating temperature
- By-pass on the Domestic primary side to keep the exchanger warm
- Automatic air vent valve with hygroscopic gasket, filter and manometer on the primary side
- Safety pressure switch for low pressure on the primary side (only for GE556Y322-323)
- Differential pressure control valve on the primary side
- Safety valve with electrical actuator on the heating side
- Box with terminal board for electric connections
- Brass spacers for installation of thermal energy meter and domestic water meter
- Max. working temperature: 90 °C
- Max. working pressure: 6 bar (for low temp. versions); 16 bar (for high temp. versions)

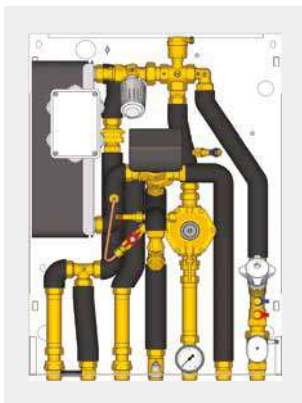
Dimensions: 450 x 630 x 180 mm



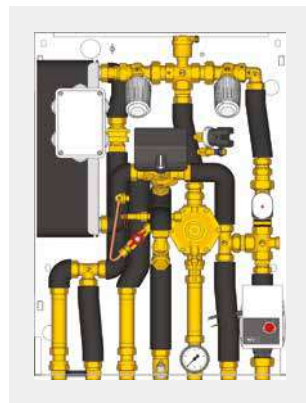
### ① INFO

To complete the GE556-4 HIU, the following may be ordered separately:

- Thermal energy meter, GE552 series
- Domestic water meter, GE552-2 series
- Templates for installation in building site, GE551-2 series
- Components for M-Bus data centralization (GE552-4 series), or Wireless M-Bus data centralization (GE552-W series)



GE556Y320 - GE556Y321



GE556Y322 - GE556Y323

## CONFIGURATION EXAMPLES



SM556Y04929



SM556Y05233



SM556Y05336

Modular Heat Interface Units (HIU) for thermal energy consumptions in heating systems and domestic hot water production in modern autonomous systems with centralized heat production (eg. teleheating).

GE556-5 heat interface units are known as modular as one can assemble various components to create an interface unit suitable based on installation needs (control of high or low temperature heating with or without balancing valves, control of domestic hot and/or cold water, etc...).

### Main features

- Hydraulic connection: 3/4" M.
- Heat exchanger power for domestic water up to 50 kW.
- Priority valve for domestic water production.
- Insulation through polypropylene foam shell.
- Predisposition for installation of thermal energy meter and domestic water meters.

### Optional features

- Upper or lower primary circuit inlet.
- Differential pressure control valve on primary circuit.
- Domestic hot water control through thermostatic head.
- Flow rate control of high temperature heating circuit through static balancing valve.
- Additional low temperature heating circuit with thermostatic head and circulator, ERP compliance.
- Thermostatic by-pass to maintain constant the domestic hot water temperature of the heat exchanger
- Recirculation kit with or without circulator for domestic water circuit.
- Varnished metal cover aesthetically pleasant.



VIDEO TUTORIAL

### INFO

For the realization of the purchase code of the desired configuration, please refer to our sales back office.

Configuration examples (shown in the images):



















- SM556Y04929:  
GE556Y501 + GE556Y516 + GE556Y522 + GE556Y531 + GE556Y541
- SM556Y05233:  
GE556Y501 + GE556Y516 + GE556Y522 + GE556Y532 + GE556Y542 + GE556Y551
- SM556Y05336:  
GE556Y501 + GE556Y516 + GE556Y522 + GE556Y532 + GE556Y543 + GE556Y546 + GE556Y551 + GE556Y561 + GE556Y566

### Technical data

- Max. working temperature of primary and secondary circuits (heating and domestic hot water): 90 °C
- Max. working pressure of primary circuit: 6 bar
- Max. differential pressure of primary circuit: 0.5 bar
- Max. working pressure of domestic hot water (DHW) circuit: 10 bar
- Temperature range of heating secondary circuit: 20÷70 °C (set point 45 °C)
- Temperature range of domestic hot water (DHW) secondary circuit: 20÷70 °C (set point 50 °C)
- Nominal flow rate of primary circuit (domestic hot water production):
  - With GE556Y511/512 heat exchanger 515 l/h @ 80 °C for 34 kW
  - With GE556Y513/514 heat exchanger 620 l/h @ 80 °C for 42 kW
  - With GE556Y515/516 heat exchanger 720 l/h @ 80 °C for 50 kW
- Nominal flow rate of high temperature heating circuit:
  - With GE556Y541/542 kit 1000 l/h @  $\Delta T$  15 °C (80-65 °C) for 17,5 kW
  - With GE556Y543 kit 480 l/h @  $\Delta T$  10 °C (80-70 °C) for 5,5 kW
- Nominal flow rate of low temperature heating circuit:
  - With GE556Y546 kit 1500 l/h @  $\Delta T$  7 °C (45-38 °C) for 12,5 kW
- Nominal flow rate of high and low temperature heating circuit:
  - With GE556Y542 + GE556Y546 kit
    - Primary: 770 l/h @ 80-54,5 °C for 23 kW
    - Low temp. secondary circuit: 1500 l/h @  $\Delta T$  7 °C (45-38 °C) for 12,5 kW
    - High temp. secondary circuit: 600 l/h @  $\Delta T$  15 °C (80-65 °C) for 10 kW
  - With GE556Y543 + GE556Y546 kit
    - Primary circuit: 680 l/h @ 80-56 °C for 19 kW
    - Low temp. secondary circuit: 1500 l/h @  $\Delta T$  7 °C (45-38 °C) for 12,5 kW
    - High temp. secondary circuit: 480 l/h @  $\Delta T$  10 °C (80-70 °C) for 5,5 kW

## HOW TO CREATE THE DESIRED HIU

Starting from the GE556Y501/502 basic codes, the heat interface unit can be configured with additional product codes and possible optionals.

BASIC CODE	DOMESTIC WATER CIRCUIT		PRIMARY CIRCUIT	SECONDARY CIRCUIT	OPTIONALS	
	HEAT EXCHANGER	CONTROL COMPONENTS			INSULATION	OTHER OPTIONALS
<b>GE556Y501</b> Lower primary connections 	<b>GE556Y511</b> 16-plate exchanger + 5 mm insulation 	<b>GE556Y521</b> DHW production with no controls 	<b>GE556Y531</b> Primary circuit connections with no controls 	<b>GE556Y541</b> Secondary circuit, direct heating with no controls 	<b>GE556Y551</b> Insulation 	<b>GE556Y561</b> DCW outlet unit output 
<b>GE556Y502</b> Upper primary connections 	<b>GE556Y512</b> 16-plate exchanger + 20 mm insulation 	<b>GE556Y522</b> DHW production with thermostatic control 	<b>GE556Y532</b> Primary circuit connections with differential pressure control valve 	<b>GE556Y542</b> Secondary circuit, direct heating with static balancing 		<b>GE556Y562</b> Domestic water recirculation unit output with circulator 
	<b>GE556Y513</b> 26-plate exchanger + 5 mm insulation  <b>GE556Y514</b> 26-plate exchanger + 20 mm insulation  <b>GE556Y515</b> 36-plate exchanger + 5 mm insulation  <b>GE556Y516</b> 36-plate exchanger + 20 mm insulation			<b>GE556Y543</b> Secondary circuit, direct heating with presetting valve, possible installation of thermo-electric actuator 		<b>GE556Y563</b> Domestic water recirculation unit output without circulator 
				<b>GE556Y546</b> Secondary circuit, low temperature heating kit (circulator + thermostatic head) 		<b>GE556Y566</b> Thermostatic by-pass to maintain constant the DHW temperature of the heat exchanger 
				① The GE556Y546 kit can be ordered separately or combined to one of the GE556Y541/542/543 kits.		<b>GE556Y569</b> Drain cocks 

To complete the GE556-5 HIU, the following may be ordered separately:

<b>GE551Y078</b> Template with 6 shut-off valves, for GE556Y501 or GE556Y502 HIU including GE556Y551 insulation 	<b>GE551Y079</b> Lowered template with 6 shut-off valves, for GE556Y501 or GE556Y502 HIU without insulation 	<b>GE500Y254</b> Additional DCW valve, for installation on template with GE556Y561 optional kit 	<b>GE500Y255</b> Pair of additional valves for low temperat. heating delivery and return, for installation on template with GE556Y546 kit for secondary circuit 	<b>GE551Y170</b> Metal cover for HIU, only for HIU with GE551Y078 template 	<b>R473/R473M</b> Thermo-electric actuator normally closed to control presetting valve, included with GE556Y543 kit R473X221-R473MX221: 230 V R473X222-R473MX222: 24 V 	<b>GE552</b> Thermal energy meter GE552Y159 3/4", volumetric, 1.5 m³/h GE552Y216 3/4", volumetric, 1.5 m³/h with wireless M-Bus predisposition GE552Y122 3/4", ultrasounds, 1.5 m³/h 	<b>GE552-2</b> Domestic water meter GE552Y191 3/4", domestic hot water GE552Y190 3/4", domestic cold water, to be ordered separately if GE556Y561 additional unit output is present 
--	---	--	--	--	--	---	--

① Second to last number of each product code (in red in the table) indicates product type:

- 0 for heat interface unit base
- 1 for heat exchanger of domestic water circuit
- 2 for control components of domestic water circuit
- 3 for control components of primary circuit
- 4 for control components of secondary circuit (heating)
- 5 for insulation (optional)
- 6 for other optional components

To ensure proper operation of heat interface unit, order at least one product code for each type of component with 0, 1, 2, 3, 4 as second to last figure. Product codes with 5, 6 as second to last figures are considered optionals.



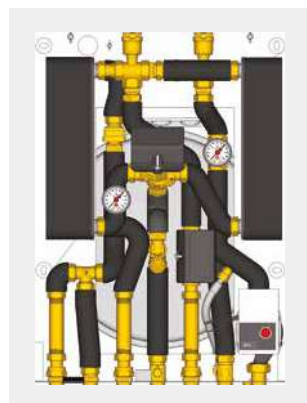
# GE556-6

PRODUCT CODE	CONNECTIONS	MAIN FEATURES	EXCHANGER POWER	TEMPLATES		
GE556Y411	3/4"	Heating / Domestic water production	56 kW	GE551Y085 GE551Y086	1	-
GE556Y412	3/4"	Heating / Domestic water production	67 kW	GE551Y085 GE551Y086	1	-

Electronic Heat Interface Unit (HIU) with double heat exchanger for centralized systems, for managing high/low temperature heating and domestic hot water production.

- Heat exchanger to separate the secondary heating circuit from the primary circuit of the condominium
- Heat exchanger for the instantaneous production of domestic hot water
- Electronic thermoregulation unit with fixed point (Set-Point) for managing the domestic hot water temperature and the climatic heating curve, with external probe support (included)
- Remote control with chronothermostat function to manage the parameter (for single zone)
- Flow switch for domestic hot water priority command
- Three-way priority valve on the delivery of the primary side
- Two-way modulating valve on the return of the primary side
- Self-modulating circulator (ErP 2009/125/EC)
- Filter and automatic air-vent valve on primary side
- Safety valve on heating side
- Safety pressure switch for low pressure on the primary side
- Fully insulated pipes
- Box with terminal board for electric connections
- Multizone additional control by the free contact on the electronic board (additional thermostats to be ordered separately)
- Brass spacers for installation of thermal energy meter and domestic water meter
- Energy savings: reduction of the flow rate requested from the primary line, and reduction of the primary return temperatures
- Heating temperature range: low temperature: 25+45 °C / high temperature: 25+85 °C
- Domestic hot water temperature range: 30+60 °C (Set-point 50 °C)
- Max. working temperature: 90 °C
- Max. working pressure: 10 bar

Dimensions: 460 x 630 x 270 mm



GE556Y411 - GE556Y412



**K480Y002**  
Thermostat with remote command.  
Provided with the HIU



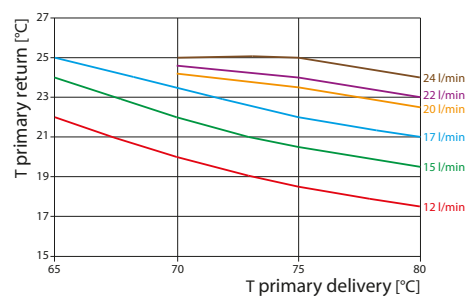
### INFO

To complete the GE556-6 HIU, the following may be ordered separately:

- Thermal energy meter, GE552 series
- Domestic water meter, GE552-2 series
- Templates for installation in building site
- Components for M-Bus data centralization (GE552-4 series), or Wireless M-Bus data centralization (GE552-W series)

### ENERGY SAVING FEATURES



Low return temperatures of primary side, in heating operation



# ▶ Thermal energy meters, water meters, data centralization systems

## GE552

### THERMAL ENERGY METERS

PRODUCT CODE	CONNECTIONS	NOMINAL FLOW-RATE m <sup>3</sup> /h	MAX FLOW-RATE m <sup>3</sup> /h	SUPPLY	DISTANCE m	DATA CENTRALIZATION TYPE		
GE552Y215	3/4"	0,6	1,2	battery	110	M-Bus / Wireless M-Bus	1	-
GE552Y216	3/4"	1,5	3	battery	110	M-Bus / Wireless M-Bus	1	-
GE552Y217	1"	2,5	5	battery	130	M-Bus / Wireless M-Bus	1	-

Volumetric thermal energy meters with double register, for measuring heating and/or cooling consumption.



- Electronic processing unit
- Flow rate measuring section
- Impulsive inputs for domestic water meters
- Two water temperature probes (delivery and return)
- Max. working temperature 90 °C
- Max. working pressure 16 bar
- Arranged for data communication in accordance with M-Bus EN1434 or Wireless M-Bus EN13757 (by the GE552Y027 board)
- EC marks
- Certified in accordance with MID 2014/32/EU



GE552Y215 - GE552Y216 - GE552Y217

## GE552-2

### DOMESTIC WATER METERS

PRODUCT CODE	CONNECTIONS	DOMESTIC WATER TYPE	PERMANENT FLOW-RATE Q3 m <sup>3</sup> /h	MAX. WATER TEMPERATURE °C	CENTRE DISTANCE mm	DATA CENTRALIZATION TYPE		
GE552Y190	3/4"	cold	2,5	30	110	M-Bus	1	-
GE552Y191	3/4"	hot	2,5	90	110	M-Bus	1	-

Domestic water meters, for measuring the consumption of domestic hot and cold water.

- Measurement section of the flow and circular dial
- Max. working temperature: 30 °C for domestic cold water  
90 °C for domestic hot water
- Max. working pressure 16 bar
- Arranged for data communication in accordance with M-Bus EN1434
- EC marking
- Certified in accordance with MID 2014/32/EU



GE552Y190 - GE552Y191

The wireless M-Bus (868 MHz) centralization complies with the standard EN 13757. The consumption data may be sent remotely or in walk-by mode.

## REMOTE MODE

The new modular M-Bus Wireless centralization system is composed of a datalogger GE552Y052 (with integrated web server) and radio signal repeater antennae GE552Y053. The system allows:

- connecting in series the various wired and wireless devices, extending the reading capacity up to 500 devices.
- directly managing 500 wireless devices or 20 wired devices and 480 wireless.

The number of wired devices may be extended to 250, connecting more local concentrators GE552Y050 to the GE552Y052 datalogger, maintaining the possibility to manage up to 250 wireless devices.

Advantages:

- The integrated web server allows the set-up, the search and the consultation of data from all the devices that make up the M-Bus/M-Bus wireless network directly on the display of the device
- Through a dial-up router all data can be managed and viewed on a PC or smartphone
- Management of alarms due to failure, tampering or the exceeding of configurable thresholds with the sending of email notifications
- Scheduling for the generation and forwarding of reports on the data gathered

## WIRELESS DATALOGGER



Wireless M-Bus/M-Bus datalogger for acquisition, processing and registration of data from wired or wireless M-Bus devices.

PRODUCT CODE		
<b>GE550Y117</b>	1	-

Manages directly up to 500 wireless devices and 20 wired devices.

## WIRELESS SIGNAL REPEATER ANTENNA



Wireless repeater and concentrator to extend the radio flow rate of the devices and for data transmission to the GE552Y052 datalogger.

PRODUCT CODE		
<b>GE552Y053</b>	1	-

## MODEM ROUTER



3G/EDGE/GPRS wireless modem router for remote connection of GE552Y051 or GE552Y052 datalogger.

PRODUCT CODE		
<b>GE552Y055</b>	1	-

## WALK-BY MODE

Data sent to a PC, received by antenna GE552Y043 connected to USB port.

## WIRELESS DATA RECEIVE



Wireless data receiver for devices installed on the installation (heat cost allocators, wireless modules for meters). Can be connected to PC via USB port. Flow rate up to 400 m.

PRODUCT CODE		
<b>GE552Y043</b>	1	-

The operation is provided by the same software GESWY001 used for heat cost allocators programming.

## WIRELESS DEVICES

### WIRELESS MODULE FOR THERMAL ENERGY METERS



For installation on the thermal energy meter dial GE552Y215, GE552Y216, GE552Y217.

PRODUCT CODE		
GE552Y027	1	-

### SOFTWARE FOR WIRELESS DATA CENTRALISATION

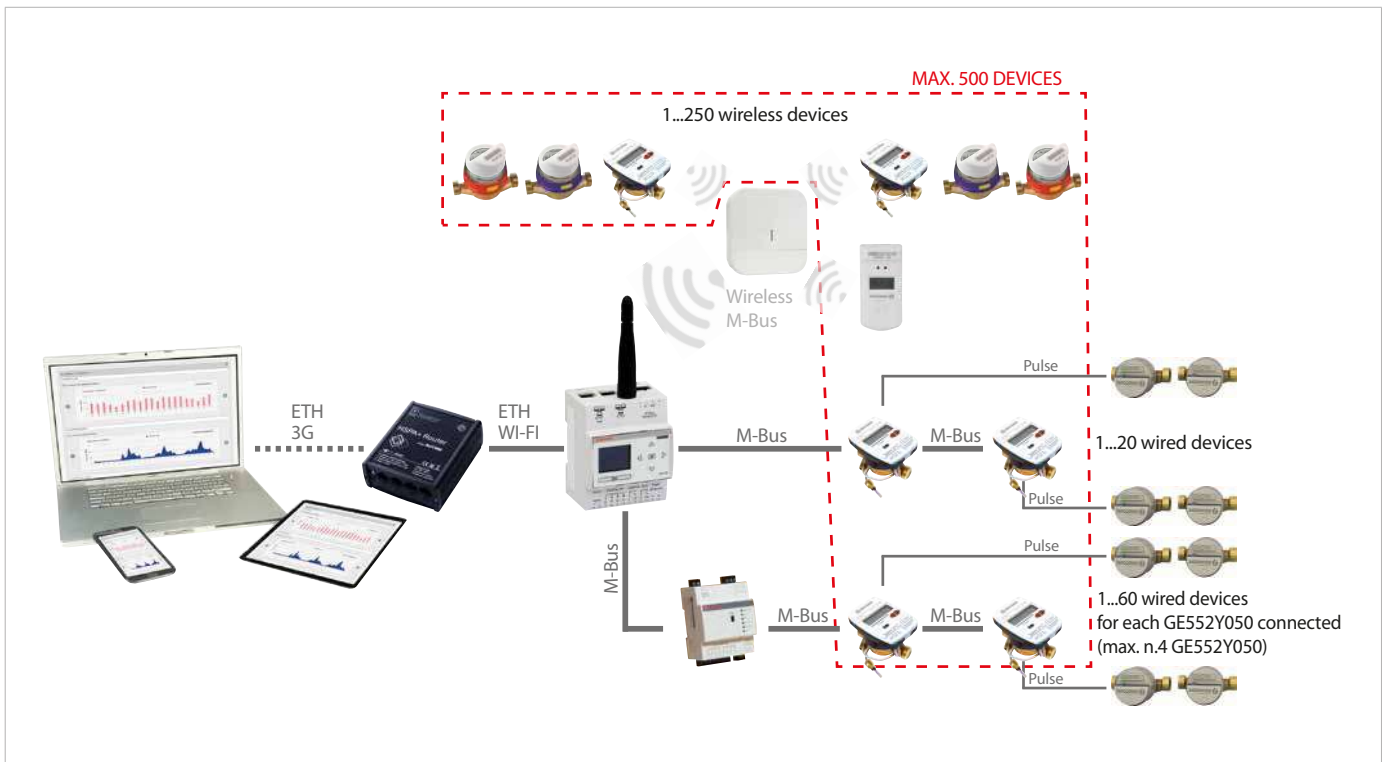
PRODUCT CODE		
GESWY001	1	-

The software can be used to configure and easily manage the wireless metering system.

It is suitable for all devices.

The codes refers to no. 1 user license.

### SAMPLE SCHEME



### GE500



Probe-support replacement kit M10 x 1 mm for energy meters.

PRODUCT CODE	SIZE		
GE500Y401	brass	1	-
GE500Y402	plastic		

The new M-bus modular centralization system comprises two solutions and allows to place the various devices in series expanding the reading possibility from 60 to 250 devices.

The standard solution is to use a local M-Bus concentrator that supports up to 60 devices and allows the on-site consultation and acquisition of data on the PC through a special software and USB cable. Up to 4 local concentrators can be placed in series and therefore up to 240 devices managed. The complete solution consists of a datalogger with integrated web server that supports up to 4 local concentrators expanding the network to 250 devices.

Advantages:

- The integrated web server allows the set-up, the search and the consultation of data from all the devices that make up the M-Bus network directly on the display of the device
- Through a dial-up router all data can be managed and viewed on a PC or smartphone
- Management of alarms due to failure, tampering or the exceeding of configurable thresholds with the sending of email notifications
- Scheduling for the generation and forwarding of reports on the data gathered

## LOCAL CONCENTRATOR



Local concentrator for the collection, processing and recording of data originated from the M-Bus network. Capable of managing up to 60 devices. To be used with the software for data acquisition GE552Y056.

PRODUCT CODE		
GE552Y050	1	-
GE552Y056*		

\* The code refers to no. 1 user license.

## DATALOGGER WITH WEB SERVER



M-Bus datalogger for the collection, processing and recording of data originating from local GE552Y050 concentrators (max. 4 concentrators). Can manage directly up to 20 devices and expands the M-Bus network up to 250 devices.

PRODUCT CODE		
GE552Y051	1	-

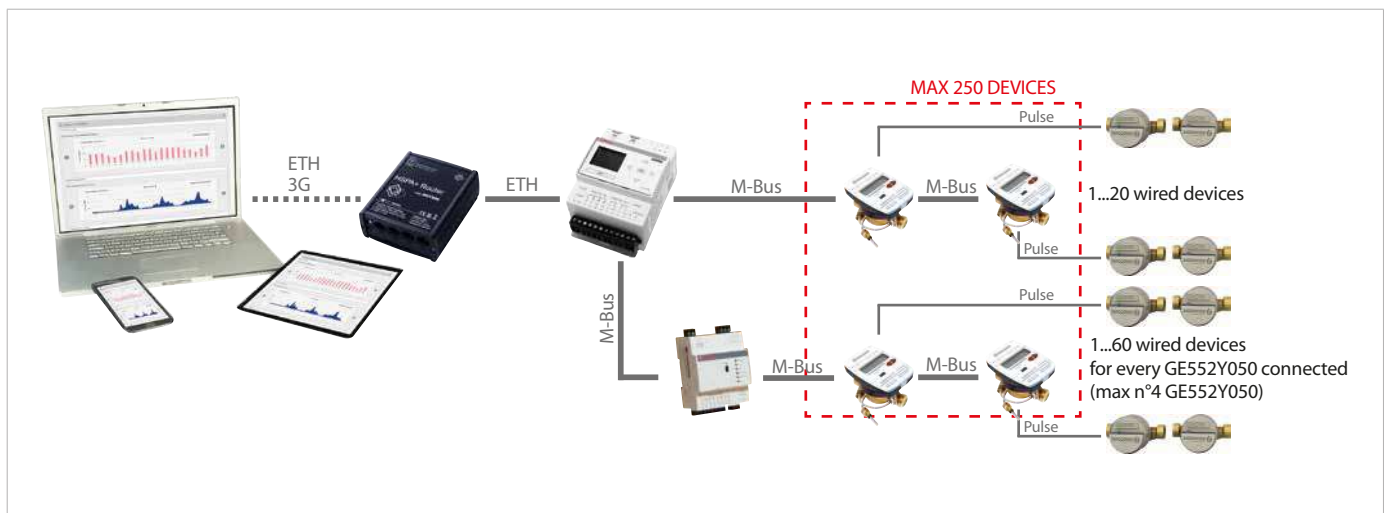
## MODEM ROUTER



3G/EDGE/GPRS wireless modem router for remote connection of GE552Y051 or GE552Y052 datalogger.

PRODUCT CODE		
GE552Y055	1	-

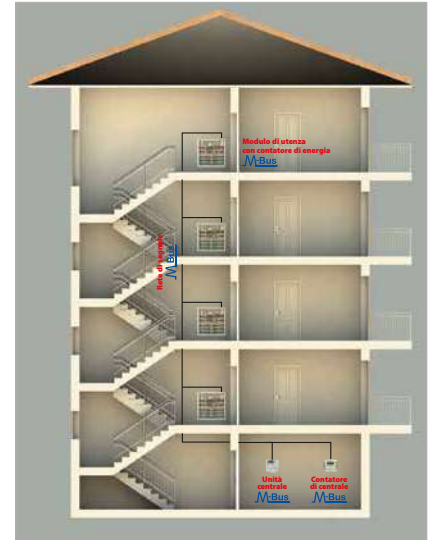
## SAMPLE SCHEME



## DATA CENTRALIZATION WITH M-BUS

The European Parliament and Council of the European Union have adopted Directive 2014/32/EU concerning measurement instruments (MID – Measurement Instrument Directive): it sets the requirements for a set of devices and measurement systems in order to be marketed and operated in UE countries.

All measurement devices used in GE555 modules and GE556 HIUs comply with MID European Directive.



## COMPLIANCE WITH MID DIRECTIVE (2014/32/EU)

The use of measurement instruments suitable for the recording of consumption data is particularly important for the aspects that involves, as the consumer and environment protection, the fair expense sharing out, the imposition of taxes or the correctness of the commercial transactions.

For this reason, the Countries of the European Union have acknowledged MID Directive (2014/32/EU) that defines the requirements to which the measurement instruments shall comply with to be marketed or started.

The range of Giacomini's modules and user HIUs includes exclusively measurement devices complying with the Directive, as attested on them by the presence of the MID metrological marking close by the CE marking.



## METROLOGICAL MARKING

Compliance of measurement devices with all provisions of D.Lgs. 2nd February 2007 n.22 is certified by the presence, on them, of CE marking and of metrology marking composed of letter "M" and of the last two digits of the year of production.



## OMS: Open Metering System

The Open Metering System (OMS) is the only specification in Europe intended to integrate the instruments for measuring various elements, to guarantee their interoperability and future operation. The water and heat meters and the heat cost allocators using an open communication standard are interchangeable regardless of the producer and guarantee maximum safety and data protection levels.



## ➤ Indirect metering (heat cost allocators)

The metering of thermal consumption using the GE700 electronic heat cost allocator system allows reorganizing radiator systems with centralized production and rising column distribution, making them more modern and appropriate for the times. In addition to the comfort and energy saving provided by individual thermoregulation using thermostatic heads and valves, it is possible to divide the cost of heating on the basis of the actual consumption, with a criterion of greater equity with respect to the traditional criteria of subdividing. A radiator system that is reorganized with metering and thermoregulation also encourages more responsible, individual behaviour towards energy use. By paying for what they actually consume, each user is motivated to eliminate waste and to regulate the temperature inside the rooms of his house, on the basis of his actual need. No longer will rooms be unnecessarily overheated, with the windows open, which will be a great benefit for the environment and for the energy bill. The GE700 electronic heat cost allocators conform to regulation EN 834, and are based on the principle of dual-sensor temperature measurement. Their use is possible in radiator systems that have single, or twin pipe distribution. They can also transmit the data remotely, at a radio frequency of 868 MHz (the ISM (Industrial, Scientific, Medical) European band) and are fitted with a long-life battery. The large range of accessories allow them to be assembled to the most common radiators on the market.



## GE700

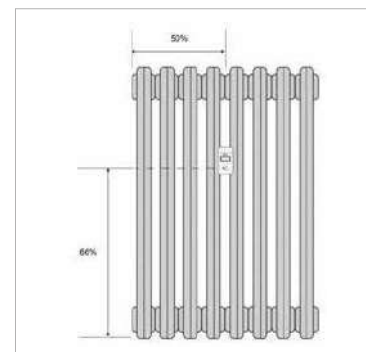
PRODUCT CODE	FEATURES		
GE700Y030	-	1	-
GE700Y033	with remote sensor	1	-

Radio-controlled heat cost allocator, for measuring thermal consumption. With certification of conformity to the norm EN 834. EN 13757 Wireless M-Bus transmission of data at 868 MHz in accordance with OMS standard. Six-figure display for direct reading. Dual temperature sensor operation, with automatic switching to one sensor under critical temperature measuring conditions. Optical interface for programming/reading using a special configuration key. Anti-tamper seal and alarm disassembly with data storage. Daily storage of data, with monthly archive. Archive of consumptions and average temperatures, up to 24 months before. Powered by a lithium battery, standard lifetime, 10 years.

- Type of centralized system: with 2 pipes / 1 pipe.
- Sensor precision: error  $\leq 1\%$ .
- Heating temperature field (Tmin for initial count, Tmax): 21+90 °C.
- Temperature for initial count, summer mode: 38 °C.
- Switching  $\Delta T$ : 3 K.
- Maximum radiator power: 12500 W.
- Programmable data transmission frequency.
- Transmission power  $\leq 10$  mW.
- Warehouse storage temperature: 10+30 °C.
- Standard OMS.

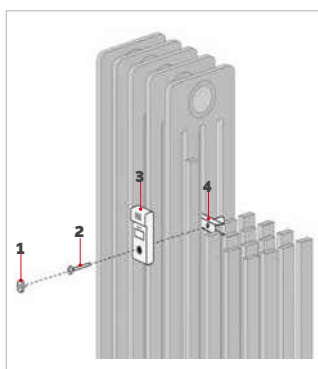
Production check of every individual heat cost allocator. Certification document of the count precision, available (in accordance with EN 834).

### HEAT COST ALLOCATORS



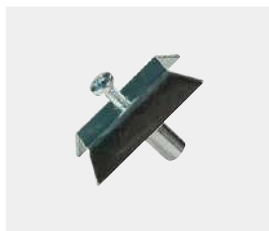
#### ① INFO

GE700Y033: radio-controlled heat cost allocator with remote sensor. To be used in installation situations in which the radiator is difficult to access, or where there is insufficient space to fit the heat cost allocator. In these cases, the heat cost allocator and probe can be installed separately, with the remote sensor in contact with the surface of the radiator. Includes probe and kit to fit the heat cost allocator to the wall. Suitable for measuring thermal consumption in convectors. Remote probe cable length: 2 m.



1 = SAFETY SEAL - 2 = FIXING SCREWS  
3 = HEAT COST ALLOCATOR - 4 = SUPPORT

## GE700-1



Fixing elements for GE700 heat cost allocators.

PRODUCT CODE	SIZE	☐	☒
GE700Y100	35 mm fixing support, M4 screws x30	1	20
GE700Y101	43 mm fixing support, M4 screws x30	1	20
GE700Y102	53 mm fixing support, M4 screws x30	1	20
GE700Y103	55 mm fixing support, M3 screws x30	1	20
GE700Y104	37 mm fixing support, M3 screws x30	1	20
GE700Y105	67 mm fixing support, M4 screws x30	1	20
GE700Y106	Bracket	1	20
GE700Y107	Threaded stud bolt	1	20
GE700Y108	Screw nut for the welding operation	1	20
GE700Y109	Spanner for tightening the GE700Y108 nut	1	-
GE700Y110	Additional plate for installing onto radiators that have a large space between the elements	1	20
GE700Y801	Welder	1	-

## GE700-2



Optical key, for configuring the GE700 heat cost allocators. Can be connected to a USB port, and programmed using specific software for heat cost allocators (GESWY001).

\* The code refers to no. 1 user license.

PRODUCT CODE	SIZE	☐	☒
GE700Y150	optical key	1	-
GESWY001 *	software	1	-

## GE552-W

### WIRELESS M-BUS CENTRALIZATION

The centralisation of the wireless M-Bus (868 MHz) complies with EN 13757. The consumption data may be sent remotely or in walk-by mode.

#### REMOTE MODE

The data received by the GE552Y053 is sent to the datalogger GE552Y052, allowing:

- the remote transmission of read data to programmable e-mail addresses;
- the management and display of the data from the PC, smartphone or tablet, through integrated web server if connected to the GSM/GPRS network.

#### WIRELESS DATALOGGER



Wireless M-Bus / M-Bus datalogger for collection, processing and recording of data from wired or wireless M-Bus devices. Manages directly up to 500 wireless devices and 20 wired devices.

PRODUCT CODE	☐	☒
GE552Y052	1	-

#### WIRELESS SIGNAL REPEATER ANTENNA



Wireless repeater and concentrator to extend the radio flow rate of the devices and for data transmission to the GE552Y052 datalogger.

PRODUCT CODE	☐	☒
GE552Y053	1	-

#### WALK-BY MODE

Data sent to a PC, received by GE552Y043 antenna connected to USB port.

#### WIRELESS DATA RECEIVE



Wireless data receiver for devices installed on the installation (heat cost allocators, wireless modules for meters). Can be connected to PC via USB port. Flow rate up to 400 m.

PRODUCT CODE	☐	☒
GE552Y043	1	-

The operation is provided by the same software GESWY001 used for heat cost allocators programming.



## ➤ Basic units and accessories (boxes, templates, insulations, other components)

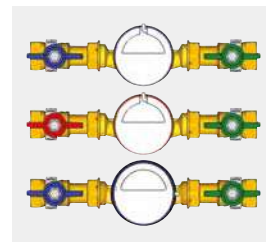
### GE550

UNITS FOR DOMESTIC WATER

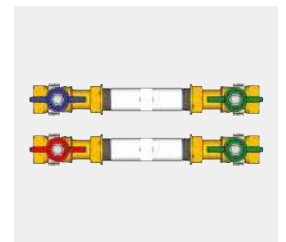
PRODUCT CODE	CONNECTIONS	TYPE OF DOMESTIC WATER	PERMANENT FLOW-RATE m <sup>3</sup> /h	MAX. WATER TEMPERATURE	WATER METER	COLLARS	UNITS LENGHT mm	☐	☒
GE550Y004	3/4"	cold	2,5	30 °C	YES	included	262	1	-
GE550Y005	1"	cold	4	30 °C	YES	included	310	1	-
GE550Y014	3/4"	hot	2,5	90 °C	YES	included	262	1	-
GE550Y015	1"	hot	4	90 °C	YES	included	310	1	-
GE550Y008	3/4"	cold - service water	2,5	30 °C	YES	included	262	1	-
GE550Y101	3/4"	cold	-	-	NO	included	262	1	-
GE550Y102	1"	cold	-	-	NO	included	310	1	-
GE550Y103	3/4"	hot	-	-	NO	included	262	1	-
GE550Y104	1"	hot	-	-	NO	included	310	1	-

Domestic water metering units.

- Shut-off ball valves
- Check valve integrated with the shut-off ball valve (green handle)
- Available with or without water meter
- Max. working temperature:  
30 °C for cold domestic water  
90 °C for hot domestic water
- Max. working pressure: 16 bar (10 bar with plastic spacer)



GE550Y004 - GE550Y005  
GE550Y014 - GE550Y015  
GE550Y008



GE556Y411 - GE556Y412

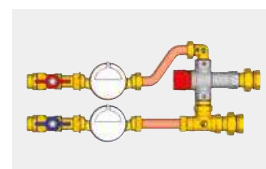
### GE550-1

GROUPS FOR DOMESTIC WATER WITH THERMOSTATIC MIXER

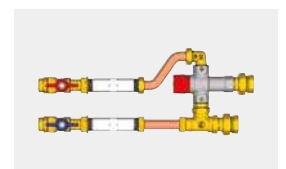
PRODUCT CODE	CONNECTIONS	TYPE OF DOMESTIC WATER	PERMANENT FLOW-RATE m <sup>3</sup> /h	MAX. WATER TEMPERATURE	WATER METER	COLLARS	UNITS LENGHT mm	☐	☒
GE550Y024	3/4"	cold + hot	2,5	90 °C (hot side)	YES	included	420	1	-
GE550Y111	3/4"	cold + hot	2,5	90 °C (hot side)	NO	included	420	1	-

Domestic water metering units, with thermostatic mixer.

- Shut-off ball valves
- Check valve
- Available with or without water meter
- Max. working temperature:  
30 °C on cold domestic water side  
90 °C on hot domestic water side
- Max. working pressure: 16 bar (10 bar with plastic spacer)



GE550Y024



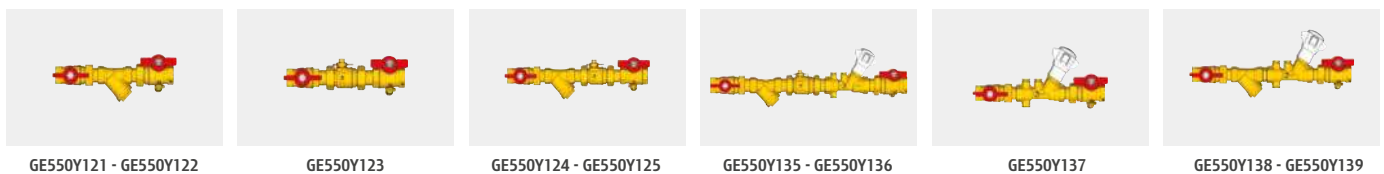
GE550Y111

## DELIVERY UNITS

PRODUCT CODE	CONNECTIONS	NOMINAL FLOW-RATE m <sup>3</sup> /h	ZONE VALVES	BALANCING VALVES	FILTER	COLLARS	UNITS LENGHT mm		
GE550Y121	3/4"	1,5	NO	NO	YES	included	264	1	-
GE550Y122	1"	2,5	NO	NO	YES	included	316	1	-
GE550Y123	3/4"	1,5	2 ways	NO	NO	included	237	1	-
GE550Y124	3/4"	1,5	2 ways	NO	YES	included	320	1	-
GE550Y125	1"	2,5	2 ways	NO	YES	included	371	1	-
GE550Y135	1"	2,5	2 ways	YES	YES	included	508	1	-
GE550Y136	3/4"	1,5	2 ways	YES	YES	included	439	1	-
GE550Y137	3/4"	1,5	NO	YES	NO	included	264	1	-
GE550Y138	3/4"	1,5	NO	YES	YES	included	345	1	-
GE550Y139	1"	2,5	NO	YES	YES	included	411	1	-

Delivery metering units for use in heating and/or cooling circuits.

- Shut-off ball valves
- Depending on the version, there are connections of 3/4" or 1", a motorized zone valve, a static balancing valve and a filter
- Max. working temperature: 110 °C
- Max. working pressure: 16 bar

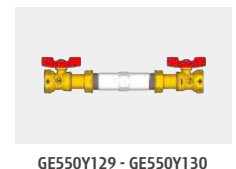


## RETURN UNITS

PRODUCT CODE	CONNECTIONS	NOMINAL FLOW-RATE m <sup>3</sup> /h	PLASTIC SPACER	COLLARS	UNITS LENGHT mm	SPACER CENTRE DISTANCE mm		
GE550Y129	3/4"	1,5	YES	included	254	110	1	-
GE550Y130	1"	2,5	YES	included	300	130	1	-

Return metering units for use in heating and cooling circuits.

- Shut-off ball valves
- Plastic spacer for installation of thermal energy meter
- Max. working temperature: 110 °C (90 °C with plastic spacer)
- Max. working pressure: 16 bar (10 bar with plastic spacer)

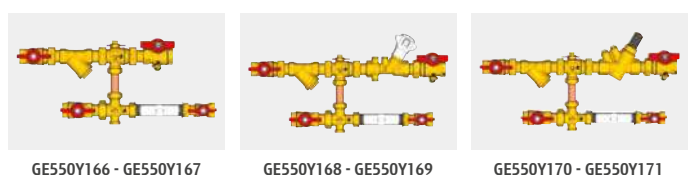


## DELIVERY AND RETURN UNITS

PRODUCT CODE	CONNECTIONS	NOMINAL FLOW-RATE m <sup>3</sup> /h	ZONE VALVES	BALANCING VALVES	COLLARS	UNITS LENGHT mm	SPACER CENTRE DISTANCE mm		
GE550Y166	3/4"	1,5	3 ways	NO	included	422	110	1	-
GE550Y167	1"	2,5	3 ways	NO	included	491	130	1	-
GE550Y168	3/4"	1,5	3 ways	static	included	453	110	1	-
GE550Y169	1"	2,5	3 ways	static	included	491	130	1	-
GE550Y170	3/4"	1,5	3 ways	dynamic	included	444	110	1	-
GE550Y171	1"	2,5	3 ways	dynamic	included	490	130	1	-

Delivery & return metering units, for use in heating and cooling circuits.

- Shut-off ball valves, may be sealed, can be plumbed
- Filter with basket in stainless steel
  - Plastic spacer for installation of thermal energy meter
- Depending on the version, 3/4" and 1" connections, and static or dynamic balancing valves are available
- Max. working temperature: 110 °C (90 °C, with plastic spacer pipe)
- Max. working pressure: 16 bar (10 bar with plastic spacer pipe)



## GE551

### CABINET



Flush-mounting cabinets in painted sheet metal (RAL9010).

- Lockable door
- Adjustable frame depth
- Front and side holes for the system transfer pipes with closure caps
- Box with fairlead for electrical components

PRODUCT CODE	DIMENSIONS (L x H x D) mm	AREAS FOR UNITS FOR HEAT/ COND.	GUIDES FOR DOMESTIC UNITS		
GE551Y031	750 x 1500 x 190	3÷4	3÷4	1	-
GE551Y038	500 x 500 x 110	1	2	1	-
GE551Y039	600 x 600 x 110	1	3	1	-
GE551Y040	600 x 1100 x 110	2	6	1	-

## GE551-1

### FRAMES



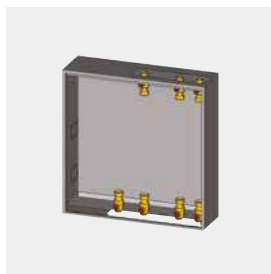
Electro-galvanised metallic frame pre-arranged for the installation of metering units for heating and/or cooling, and units for domestic and/or service water.

PRODUCT CODE	DIMENSIONS (L x H x D) mm	AREAS FOR UNITS FOR HEAT/ COND.	GUIDES FOR DOMESTIC UNITS		
GE551Y154	500 x 500 x 10	1	3	1	-

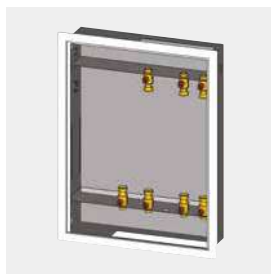
## GE551-2

### TEMPLATES

#### TEMPLATES FOR STANDARD HIUS, GE556



GE551Y072 EXTERNAL



GE551Y073 FLUSH-MOUNTING

Template for installation at the worksite of GE556 HIUs. Completed with shut-off valves.

PRODUCT CODE	CONNECTIONS	DIMENSIONS (L x H x D) mm	NO. OF SHUT-OFF VALVE		
GE551Y072	3/4"	560 x 570 x 165	7	1	-
GE551Y073	3/4"	570 x 770 x 165	7	1	-

#### TEMPLATES FOR HIU WITH ELECTRONIC REGULATION, GE556-2



Template for installation at the worksite of GE556-2 HIUs. Completed with shut-off valves.

PRODUCT CODE	CONNECTIONS	DIMENSIONS (L x H x D) mm	NO. OF SHUT-OFF VALVE		
GE551Y074	3/4"	450 x 720 x 72	7	1	-

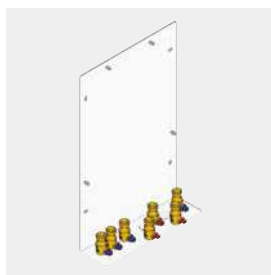
#### TEMPLATES FOR HIU WITH DIFFERENTIAL PRESSURE CONTROL VALVE, GE556-4



Template for installation at the worksite of GE556-4 HIUs. Completed with shut-off valves.

PRODUCT CODE	CONNECTIONS	DIMENSIONS (L x H x D) mm	NO. OF SHUT-OFF VALVE		
GE551Y075	3/4"	450 x 292 x 72	7	1	-

#### TEMPLATES FOR HIU WITH DOUBLE EXCHANGER, GE556-1



GE551Y081 - GE551Y083



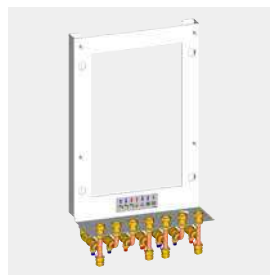
GE551Y082 - GE551Y084

Template for installation at the worksite of GE556-1 HIUs. Completed with shut-off valves.

GE551Y083, GE551Y084: with connection from above (on the back side of the template).

PRODUCT CODE	CONNECTIONS	DIMENSIONS (L x H x D) mm	NO. OF SHUT-OFF VALVE		
GE551Y081	3/4"	450 x 720 x 150	4	1	-
GE551Y082	3/4"	450 x 720 x 150	7	1	-
GE551Y083	Ø22	450 x 720 x 208	4	1	-
GE551Y084	Ø22	450 x 720 x 208	7	1	-

#### TEMPLATES FOR HIU WITH ELECTRONIC REGULATION AND DOUBLE EXCHANGER, GE556-6



Template for installation at the worksite of GE556-6 HIUs. Completed with shut-off valves.

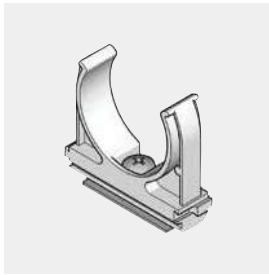
GE551Y085: with connection from above (on the back side of the template).

GE551Y086: with connection from below.

PRODUCT CODE	CONNECTIONS	DIMENSIONS (L x H x D) mm	NO. OF SHUT-OFF VALVE		
GE551Y085	Ø22	458 x 792 x 218	7	1	-
GE551Y086	3/4"	456 x 60 x 159	7	-	-

## GE551-3

### COLLARS



Plastic collars, for fastening metering units for heating and/or cooling and for Domestic and/or service water units.

PRODUCT CODE	DIMENSIONS	USE	☐	☒
GE551Y002	DN25	For 3/4" outputs	1	-
GE551Y003	DN32	For 3/4" outputs	1	-
GE551Y004	DN40	For 1" outputs	1	-

## GE551-4

### INSULATION



GE551Y171

Insulation for the heating and/or cooling delivery unit GE550Y136.

PRODUCT CODE	DIMENSIONS	☐	☒
GE551Y171	450 x 250 x 90 mm	1	-



GE551Y179

Insulation for metering units GE550-3 with 70 mm centre distance (codes GE550Y112, GE550Y113, GE550Y114, GE550Y116, GE550Y117, GE550Y144, GE550Y146, GE550Y147).

PRODUCT CODE	DIMENSIONS	☐	☒
GE551Y179	300 x 110 x 80 mm	1	-



GE551Y173

Insulation for Domestic water meter, GE552-2 series, only for 3/4" sizes.

PRODUCT CODE	DIMENSIONS	☐	☒
GE551Y173	170 x 90 x 65 mm	1	-



GE551Y180

Insulation for HIUs GE556Y176, GE556Y177.

PRODUCT CODE	DIMENSIONS	☐	☒
GE551Y180	300 x 430 x 100 mm.	1	-



GE551Y177

Insulation for the GE555Y461 module and heating and/or cooling delivery and return unit GE550Y166.

PRODUCT CODE	DIMENSIONS	☐	☒
GE551Y177	465 x 125 x 90 mm	1	-



GE551Y182

Insulation for user module GE555Y472.

PRODUCT CODE	DIMENSIONS	☐	☒
GE551Y182	-	1	-



























































































GE551Y178

























































































Insulation for the GE555Y462, GE555Y463, GE555Y468, GE555Y469 modules and heating and/or cooling delivery units GE550Y167, GE555Y168, GE555Y169, GE555Y170, GE555Y171.

PRODUCT CODE	DIMENSIONS	☐	☒
GE551Y178	530 x 250 x 90 mm	1	-









							
<b>310</b> page 186	<b>311</b> page 186	<b>312</b> page 187	<b>315</b> page 187	<b>317</b> page 187	<b>318</b> page 187	<b>DR850</b> page 78	<b>GE550</b> page 240
							
<b>GE550-1</b> page 240	<b>GE550-2</b> page 241	<b>GE550-3</b> page 224	<b>GE551</b> page 242	<b>GE551-1</b> page 242	<b>GE551-2</b> page 242	<b>GE551-3</b> page 243	<b>GE551-4</b> page 243
							
<b>GE552</b> page 233	<b>GE552-2</b> page 233	<b>GE552-4</b> page 236	<b>GE552-W</b> page 234-239	<b>GE555</b> page 222	<b>GE555-2</b> page 223	<b>GE556</b> page 226	<b>GE556-1</b> page 227
							
<b>GE556-2</b> page 228	<b>GE556-4</b> page 229	<b>GE556-5</b> page 230	<b>GE556-6</b> page 232	<b>GE700</b> page 238	<b>GE700-1</b> page 239	<b>GE700-2</b> page 239	<b>GS550</b> page 186
							
<b>GS556</b> page 186	<b>GX61</b> page 134	<b>GX102</b> page 134	<b>GX103</b> page 134	<b>GX107</b> page 134	<b>GX109</b> page 134	<b>GX122</b> page 134	<b>GX127</b> page 134
							
<b>GX128</b> page 135	<b>GX129</b> page 134	<b>GX139</b> page 135	<b>GX150</b> page 135	<b>GX151</b> page 135	<b>GX152</b> page 135	<b>GX153</b> page 135	<b>GX154</b> page 135
							
<b>GX158</b> page 135	<b>GX165</b> page 135	<b>GX179</b> page 136	<b>GX200</b> page 136	<b>GX200-M</b> page 136	<b>GX201</b> page 136	<b>GX202</b> page 136	<b>GX203</b> page 136
							
<b>GX651</b> page 136	<b>GZ61</b> page 128	<b>GZ102</b> page 129	<b>GZ103</b> page 129	<b>GZ107</b> page 129	<b>GZ109</b> page 129	<b>GZ122</b> page 129	<b>GZ127</b> page 129
							
<b>GZ128</b> page 129	<b>GZ129</b> page 129	<b>GZ139</b> page 129	<b>GZ150</b> page 129	<b>GZ151</b> page 130	<b>GZ152-1</b> page 130	<b>GZ152-2</b> page 130	<b>GZ152-3</b> page 130
							
<b>GZ152-4</b> page 130	<b>GZ153</b> page 130	<b>GZ154</b> page 130	<b>GZ158</b> page 130	<b>GZ165</b> page 130	<b>GZ179</b> page 130	<b>GZ200</b> page 131	<b>GZ200A</b> page 131
							
<b>GZ200C</b> page 131	<b>GZ201</b> page 131	<b>GZ211</b> page 131	<b>GZ573</b> page 131	<b>GZ606</b> page 131	<b>GZ651</b> page 131	<b>GZ996</b> page 128	<b>H100</b> page 122







							
<b>H102</b> page 122	<b>H103</b> page 122	<b>H103T</b> page 122	<b>H107</b> page 122	<b>H109</b> page 122	<b>H109T</b> page 122	<b>H115</b> page 122	<b>H120</b> page 123
							
<b>H121</b> page 123	<b>H122</b> page 123	<b>H124</b> page 123	<b>H127</b> page 123	<b>H129</b> page 123	<b>H130</b> page 123	<b>H139</b> page 123	<b>H144</b> page 123
							
<b>H150</b> page 123	<b>H151</b> page 124	<b>H153</b> page 124	<b>H154</b> page 124	<b>H163</b> page 124	<b>H165</b> page 124	<b>H166</b> page 124	<b>H173</b> page 124
							
<b>H173A</b> page 124	<b>H173B</b> page 124	<b>H174A</b> page 125	<b>H174B</b> page 125	<b>H174C</b> page 125	<b>H180</b> page 125	<b>H200</b> page 124	<b>H201</b> page 126-136
							
<b>H202</b> page 125	<b>H203</b> page 125	<b>H205</b> page 125	<b>K6</b> page 213	<b>K6A</b> page 213	<b>K6C</b> page 213	<b>K12</b> page 213	<b>K12A</b> page 213
							
<b>K12C</b> page 213	<b>K60</b> page 212	<b>K60A</b> page 212	<b>K60C</b> page 212	<b>K120</b> page 212	<b>K120A</b> page 212	<b>K120C</b> page 212	<b>K270</b> page 168
							
<b>K272</b> page 169	<b>K274</b> page 166	<b>K274-2</b> page 166	<b>K274J</b> page 168	<b>K275</b> page 167	<b>K275-1</b> page 167	<b>K281</b> page 159-167	<b>K281E</b> page 159
							
<b>K282</b> page 168	<b>K297</b> page 168	<b>K297R</b> page 168	<b>K369</b> page 208	<b>K369D</b> page 208	<b>K373</b> page 150	<b>K373I</b> page 175	<b>K374</b> page 175
							
<b>K375</b> page 32-174	<b>K376</b> page 208	<b>K377</b> page 187	<b>K380</b> page 174	<b>K381</b> page 174	<b>K382</b> page 174	<b>K389</b> page 208	<b>K389W</b> page 208
							
<b>K393</b> page 208	<b>K400</b> page 152	<b>K410W</b> page 147-148	<b>K463P</b> page 150	<b>K465</b> page 148	<b>K465P</b> page 150	<b>K470H</b> page 21	<b>K470W</b> page 21-47
							
<b>K471</b> page 21	<b>K489</b> page 150	<b>K490I</b> page 151	<b>K492</b> page 151	<b>K492B</b> page 149	<b>K493I</b> page 150	<b>K493T</b> page 150	<b>K494</b> page 151

























































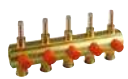































							
<b>K4941</b> page 151	<b>K495B</b> page 149	<b>K495L</b> page 150	<b>K497</b> page 149	<b>K498M</b> page 150	<b>K500</b> page 175	<b>K563P</b> page 152	<b>K805P</b> page 216
							
<b>K805P-1</b> page 216	<b>K809</b> page 216	<b>KA410</b> page 147	<b>KC60</b> page 214	<b>KC120</b> page 214	<b>KD201</b> page 149	<b>KD400</b> page 152	<b>KD410</b> page 147-148
							
<b>KDP</b> page 218	<b>KDS</b> page 219	<b>KDV</b> page 219	<b>KE410</b> page 147	<b>KF201</b> page 150	<b>KPM30</b> page 149	<b>KPM31</b> page 149	<b>KPM35</b> page 149
							
<b>KPM36</b> page 149	<b>KPM40</b> page 148	<b>KPM45</b> page 148	<b>KS60</b> page 215	<b>KS120</b> page 215	<b>KTD</b> page 185	<b>KTDP</b> page 185	<b>KTDS</b> page 185
							
<b>N1</b> page 183	<b>N1UB</b> page 183	<b>N2</b> page 183	<b>N3</b> page 183	<b>N5</b> page 180	<b>N6</b> page 180	<b>N10</b> page 183	<b>N12</b> page 184
							
<b>N14</b> page 184	<b>N15</b> page 184	<b>N16-1</b> page 184	<b>N16-2</b> page 184	<b>N17</b> page 184	<b>N20</b> page 184	<b>N42</b> page 184	<b>P10S</b> page 63
							
<b>P10V</b> page 63	<b>P12A</b> page 33	<b>P12H</b> page 127	<b>P15</b> page 34	<b>P15-2</b> page 34	<b>P15E</b> page 169	<b>P15F</b> page 166	<b>P15M</b> page 166
							
<b>P15TG</b> page 33	<b>P16-1</b> page 34	<b>P16-3</b> page 34	<b>P18L</b> page 34-94-182	<b>P19</b> page 169	<b>P21S</b> page 166	<b>P22B-1</b> page 33	<b>P22C</b> page 181
							
<b>P22F</b> page 95	<b>P22L</b> page 95	<b>P23F</b> page 95	<b>P23M</b> page 95	<b>P26A</b> page 33	<b>P26PD</b> page 33	<b>P31FG</b> page 95	<b>P31FR</b> page 95
							
<b>P31FV</b> page 95	<b>P31LG</b> page 95	<b>P31LR</b> page 94	<b>P31LV</b> page 95	<b>P36</b> page 184	<b>P36F</b> page 184	<b>P36S</b> page 180	<b>P50</b> page 185
							
<b>P51RG</b> page 127	<b>P51RN</b> page 127	<b>P53</b> page 127	<b>P56T</b> page 32	<b>P57G</b> page 95-127	<b>P61R</b> page 127	<b>P74M</b> page 179	<b>P78M</b> page 63

							
<b>P78T</b> page 184	<b>P146C</b> page 173	<b>P146M</b> page 172	<b>P206</b> page 160	<b>P206AM</b> page 159	<b>P225E</b> page 160	<b>P586S</b> page 185	<b>PM100P</b> page 150
							
<b>PM100R</b> page 150	<b>PM100W</b> page 152	<b>R5TG</b> page 14	<b>R6TG</b> page 14	<b>R14TG</b> page 19	<b>R15TG</b> page 19	<b>R16C2</b> page 19	<b>R16D2</b> page 19
							
<b>R16TG</b> page 18	<b>R17C2</b> page 19	<b>R17D2</b> page 19	<b>R17TG</b> page 18	<b>R18</b> page 120	<b>R18SP</b> page 120	<b>R19</b> page 120	<b>R19DL</b> page 163
							
<b>R20</b> page 120	<b>R20DL</b> page 163	<b>R20SC</b> page 186	<b>R25TG</b> page 14	<b>R27TG</b> page 14	<b>R29TG</b> page 19	<b>R31TG</b> page 19	<b>R37</b> page 94-120
							
<b>R37K</b> page 182	<b>R39</b> page 182	<b>R53MM</b> page 47	<b>R53MT</b> page 47	<b>R53SM</b> page 46	<b>R53ST</b> page 46	<b>R53VM</b> page 47	<b>R53VT</b> page 47
							
<b>R54</b> page 180	<b>R55</b> page 180	<b>R55FL</b> page 194	<b>R56</b> page 180	<b>R59FL</b> page 194	<b>R59W</b> page 195	<b>R60</b> page 179	<b>R60W</b> page 195
							
<b>R66A</b> page 30	<b>R73C</b> page 32	<b>R73P</b> page 32	<b>R74</b> page 30	<b>R74A</b> page 179	<b>R74FL</b> page 196	<b>R74M</b> page 179	<b>R79B</b> page 32
							
<b>R88</b> page 181	<b>R88I</b> page 181	<b>R90</b> page 30	<b>R91</b> page 30	<b>R92</b> page 30	<b>R93</b> page 57-121-187	<b>R99</b> page 181	<b>R99I</b> page 181
							
<b>R99S</b> page 181-186	<b>R131</b> page 127	<b>R140</b> page 170	<b>R140C</b> page 171-186	<b>R140C-1</b> page 171	<b>R140M</b> page 170	<b>R140PT</b> page 170-178	<b>R140PT-1</b> page 178
							
<b>R140R</b> page 170	<b>R140R1</b> page 170	<b>R140RM</b> page 170	<b>R141</b> page 171	<b>R141C</b> page 171	<b>R144ST</b> page 178	<b>R146C</b> page 173	<b>R146D</b> page 171
							
<b>R146I</b> page 172	<b>R146IM</b> page 172	<b>R146M</b> page 171	<b>R146W</b> page 172	<b>R147N</b> page 163	<b>R150</b> page 176	<b>R150B</b> page 176	<b>R150M</b> page 176





							
<b>R153C</b> page 177	<b>R153M</b> page 177	<b>R153MK</b> page 177	<b>R153P</b> page 177	<b>R156</b> page 177	<b>R156-1</b> page 177	<b>R156-2</b> page 177	<b>R157A</b> page 178
							
<b>R158</b> page 178	<b>R160</b> page 181	<b>R171C</b> page 27	<b>R171F</b> page 27	<b>R171P</b> page 28	<b>R173</b> page 31	<b>R173P</b> page 31	<b>R173TG</b> page 31
							
<b>R175A</b> page 31	<b>R175B</b> page 31	<b>R175C</b> page 31	<b>R176P</b> page 31	<b>R177</b> page 121	<b>R178</b> page 114	<b>R178E</b> page 114	<b>R178R</b> page 121
							
<b>R179</b> page 113	<b>R179AM</b> page 113	<b>R179E</b> page 113	<b>R179SP</b> page 113	<b>R180F</b> page 118	<b>R180FR</b> page 114	<b>R180M</b> page 118	<b>R180R</b> page 114
							
<b>R182</b> page 186	<b>R182AM</b> page 182	<b>R186M</b> page 117	<b>R187F</b> page 116	<b>R187M</b> page 116	<b>R189</b> page 120-187	<b>R189D</b> page 120	<b>R189V</b> page 120
							
<b>R193K</b> page 169	<b>R194</b> page 28	<b>R197</b> page 182	<b>R197M</b> page 182	<b>R197P</b> page 166	<b>R200</b> page 30	<b>R206A</b> page 158	<b>R206AM</b> page 159
							
<b>R206B</b> page 160-197	<b>R206B-1</b> page 160	<b>R206C</b> page 161	<b>R220</b> page 181	<b>R225</b> page 177	<b>R225E</b> page 160	<b>R225I</b> page 175	<b>R226</b> page 177
							
<b>R227</b> page 175	<b>R227-1</b> page 186-208	<b>R228A</b> page 175	<b>R228I</b> page 175	<b>R230</b> page 181	<b>R248F</b> page 92	<b>R248M</b> page 92	<b>R250D</b> page 80-86
							
<b>R250D-BSP</b> page 80	<b>R250D-U</b> page 91	<b>R250DS</b> page 80	<b>R250G</b> page 86	<b>R250W</b> page 87	<b>R250WS</b> page 87	<b>R251D</b> page 80-86	<b>R251P</b> page 81
							
<b>R251P-1</b> page 81	<b>R251S</b> page 81	<b>R251TH</b> page 81	<b>R251W</b> page 88	<b>R251WP</b> page 88	<b>R252</b> page 83-182	<b>R252-1</b> page 166	<b>R253D</b> page 81-87
							
<b>R253DL</b> page 81-87	<b>R253W</b> page 88	<b>R253WL</b> page 88	<b>R254D</b> page 82-86	<b>R254D-BSP</b> page 82	<b>R254D-U</b> page 91	<b>R254DL</b> page 82-86	<b>R254P</b> page 81

							
<b>R254P-1</b> page 81	<b>R254W</b> page 88	<b>R254WL</b> page 88	<b>R258CC</b> page 83	<b>R258D</b> page 83	<b>R259D</b> page 82	<b>R259DS</b> page 82	<b>R259DST</b> page 82
							
<b>R259W</b> page 89	<b>R269T</b> page 56	<b>R274N</b> page 165	<b>R274W</b> page 166	<b>R276</b> page 168	<b>R276B</b> page 168	<b>R277</b> page 168	<b>R278</b> page 168
							
<b>R279</b> page 168	<b>R279D</b> page 168	<b>R280K</b> page 158	<b>R284</b> page 182	<b>R284-1</b> page 163	<b>R284M</b> page 183	<b>R285</b> page 83-182	<b>R285F</b> page 83
							
<b>R285L</b> page 83-182	<b>R287</b> page 82-183	<b>R287M</b> page 82-183	<b>R288</b> page 94	<b>R291</b> page 169	<b>R292</b> page 169	<b>R292E</b> page 169	<b>R295</b> page 166
							
<b>R296</b> page 166	<b>R297</b> page 167	<b>R298</b> page 167	<b>R298N</b> page 167	<b>R314DN</b> page 27	<b>R314N</b> page 27	<b>R356B1</b> page 25	<b>R356M1</b> page 26
							
<b>R357B1</b> page 25	<b>R357M1</b> page 26	<b>R358B1</b> page 25	<b>R358M1</b> page 26	<b>R383</b> page 29	<b>R384</b> page 29	<b>R385T</b> page 28	<b>R386T</b> page 28
							
<b>R387</b> page 29	<b>R387L</b> page 28	<b>R388</b> page 29	<b>R388L</b> page 28	<b>R400</b> page 32	<b>R401D</b> page 18	<b>R401DB</b> page 16	<b>R401H</b> page 18
							
<b>R401PTG</b> page 17	<b>R401TG</b> page 15	<b>R402D</b> page 18	<b>R402DB</b> page 16	<b>R402H</b> page 18	<b>R402PTG</b> page 17	<b>R402TG</b> page 15	<b>R403H</b> page 18
							
<b>R403TG</b> page 15	<b>R411PTG</b> page 17	<b>R411TG</b> page 15	<b>R412PTG</b> page 17	<b>R412TG</b> page 15	<b>R414D</b> page 53	<b>R414M</b> page 53	<b>R415DB</b> page 16
							
<b>R415H</b> page 18	<b>R415PTG</b> page 17	<b>R415TG</b> page 15	<b>R421TG</b> page 14	<b>R422TG</b> page 14	<b>R431TG</b> page 15	<b>R432TG</b> page 15	<b>R435TG</b> page 15
							
<b>R436</b> page 26	<b>R436M-1</b> page 27	<b>R437</b> page 26	<b>R437N</b> page 26	<b>R438</b> page 25	<b>R438MTG</b> page 25	<b>R440N</b> page 25	<b>R450TG</b> page 33

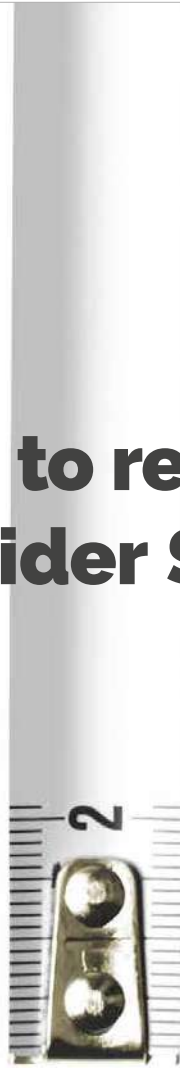
							
<b>R453A</b> page 54	<b>R453H</b> page 31	<b>R454</b> page 32	<b>R454D</b> page 31	<b>R455C</b> page 32	<b>R455C-1</b> page 32	<b>R455D</b> page 32	<b>R455D-1</b> page 32
							
<b>R460</b> page 20	<b>R460H</b> page 20	<b>R460PA</b> page 17	<b>R462</b> page 21	<b>R462L</b> page 54	<b>R462L1</b> page 54	<b>R462L2</b> page 54	<b>R463</b> page 21
							
<b>R465</b> page 54	<b>R468</b> page 20	<b>R468H</b> page 20	<b>R470</b> page 21-53	<b>R470A</b> page 22	<b>R470F</b> page 22	<b>R470F-KV</b> page 22	<b>R470H</b> page 21
							
<b>R473</b> page 54-169	<b>R473M</b> page 54-169	<b>R478</b> page 54	<b>R478M</b> page 54	<b>R483</b> page 29	<b>R500</b> page 55	<b>R500-2</b> page 55	<b>R502</b> page 55
							
<b>R508K</b> page 53	<b>R508M</b> page 53	<b>R509-1</b> page 55	<b>R510</b> page 55	<b>R531</b> page 57	<b>R532</b> page 58	<b>R540</b> page 57-176	<b>R540F</b> page 57-94
							
<b>R540I</b> page 176	<b>R541N</b> page 30-125	<b>R542</b> page 30	<b>R542N</b> page 31	<b>R543</b> page 30	<b>R544</b> page 31-116	<b>R549P</b> page 208	<b>R551</b> page 42-59
							
<b>R551S</b> page 43	<b>R551W</b> page 58	<b>R553D</b> page 48	<b>R553DK</b> page 50	<b>R553F</b> page 49	<b>R553FK</b> page 50	<b>R553K</b> page 51	<b>R553KI</b> page 51
							
<b>R553M</b> page 44	<b>R553S</b> page 44	<b>R553V</b> page 45	<b>R553W</b> page 58	<b>R553W-2</b> page 58	<b>R554A</b> page 56	<b>R554B</b> page 56	<b>R554C</b> page 56
							
<b>R554D</b> page 56	<b>R554E</b> page 162	<b>R554F</b> page 162	<b>R554I</b> page 57	<b>R554P</b> page 162	<b>R557</b> page 51	<b>R557A</b> page 63	<b>R557B</b> page 63
							
<b>R557F</b> page 51	<b>R557I</b> page 55	<b>R557K</b> page 52	<b>R557P</b> page 63	<b>R557R-1</b> page 53	<b>R557R-2</b> page 52	<b>R557W</b> page 58	<b>R558</b> page 63
							
<b>R558N</b> page 63	<b>R559N-1</b> page 53	<b>R559W</b> page 58	<b>R560</b> page 118	<b>R560AM</b> page 117	<b>R560R</b> page 115	<b>R561</b> page 118	<b>R561AM</b> page 117

							
<b>R561R</b> page 115	<b>R562</b> page 118	<b>R562AM</b> page 117	<b>R562R</b> page 115	<b>R563</b> page 119	<b>R563AM</b> page 117	<b>R563R</b> page 115	<b>R564</b> page 119
							
<b>R564AM</b> page 117	<b>R564P</b> page 121-187	<b>R564R</b> page 115	<b>R566AM</b> page 117	<b>R567</b> page 121	<b>R568</b> page 119	<b>R568AM</b> page 117	<b>R568R</b> page 115
							
<b>R569</b> page 119	<b>R569AM</b> page 117	<b>R569R</b> page 115	<b>R570R</b> page 115	<b>R571R</b> page 115	<b>R572</b> page 119	<b>R572AM</b> page 117	<b>R572R</b> page 116
							
<b>R573D</b> page 30-116	<b>R573D-1</b> page 116	<b>R573R</b> page 116	<b>R576</b> page 125	<b>R577</b> page 125	<b>R577D</b> page 31-125	<b>R578A</b> page 126	<b>R578B</b> page 126
							
<b>R578C</b> page 126	<b>R578E</b> page 126	<b>R578Z</b> page 126	<b>R579</b> page 126	<b>R580</b> page 59	<b>R580C</b> page 61	<b>R580M</b> page 46-61	<b>R580T</b> page 46-61
							
<b>R582A</b> page 43	<b>R583</b> page 62	<b>R583D</b> page 45	<b>R583DD</b> page 46	<b>R583V</b> page 45	<b>R583VD</b> page 46	<b>R584</b> page 62	<b>R585</b> page 59
							
<b>R585C</b> page 60	<b>R585M</b> page 61	<b>R585T</b> page 61	<b>R586R</b> page 162	<b>R586S</b> page 185	<b>R586S-0</b> page 185	<b>R586S-1</b> page 185	<b>R586SEP</b> page 163
							
<b>R588</b> page 55	<b>R588D</b> page 55	<b>R588F</b> page 56	<b>R588L</b> page 55	<b>R588P</b> page 55	<b>R588R</b> page 56	<b>R588SEP</b> page 163	<b>R588Z</b> page 55
							
<b>R590D</b> page 57	<b>R591D</b> page 57	<b>R591F</b> page 57	<b>R592D</b> page 57-121	<b>R593D</b> page 57-121	<b>R594</b> page 57-121	<b>R595</b> page 62	<b>R595P</b> page 62
							
<b>R595T</b> page 62	<b>R596</b> page 126	<b>R598</b> page 62	<b>R598C</b> page 62	<b>R598D</b> page 62	<b>R598K</b> page 62	<b>R599</b> page 62	<b>R603</b> page 92
							
<b>R608</b> page 92	<b>R608D</b> page 92	<b>R609</b> page 92	<b>R610</b> page 92	<b>R611</b> page 92	<b>R612</b> page 92	<b>R613</b> page 93	<b>R614</b> page 93

							
R619 page 93	R620 page 93	R621 page 93	R622 page 93	R623 page 179	R624 page 179	R625 page 94	R626 page 179
							
R690 page 83	R694 page 83	R700 page 30	R701F page 77-179	R705A page 14	R705K page 22	R706A page 14	R706K page 22
							
R714TG page 19	R715TG page 19	R730G page 85	R731G page 85	R740FL page 196	R747 page 93	R749F page 94	R749T page 94
							
R752 page 80	R780G page 85	R780P-1 page 80	R780PG page 86	R781G page 85	R781P-1 page 80	R782G page 86	R783G page 86
							
R789 page 80	R840VW page 89	R841VT page 89	R850 page 78-85	R850-U page 91	R850VW page 88	R851 page 78-85	R851T page 79
							
R851TH page 78	R851VT page 89	R851VTS page 89	R853VT page 89	R853VWL page 90	R854 page 79	R854L page 79	R854VT page 90
							
R854VWL page 90	R859 page 79	R859K page 79	R859T page 79	R859VT page 90	R863 page 208	R865 page 126	R872D page 208
							
R883-1 page 214-216	R884 page 214-216	R910 page 77-84	R910-U page 91	R910S page 77	R911 page 77-84	R913 page 77	R913L page 77
							
R914 page 78-84	R914L page 78-84	R919 page 78	R919S page 78	R950 page 77-84	R950W page 87	R951 page 77-84	R951W page 87
							
R978 page 142	R979 page 206	R979G page 205	R979N page 205	R979S page 204	R979TG page 205	R981AG page 207	R981B page 207
							
R981G page 207	R981XPS page 206	R982Q page 206	R983 page 208	R983N page 208	R983S page 208	R984 page 208	R985B page 143

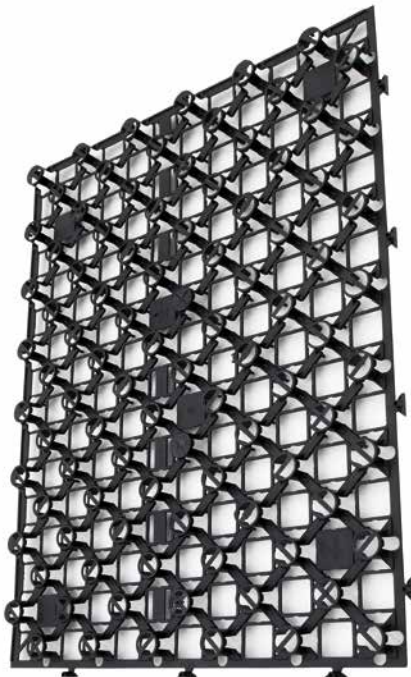
							
<b>R985N</b> page 143	<b>R985R</b> page 143	<b>R986</b> page 142	<b>R990</b> page 126-131-136	<b>R990M</b> page 126	<b>R993</b> page 141	<b>R994</b> page 141	<b>R995</b> page 141
							
<b>R995B</b> page 141	<b>R995R</b> page 141	<b>R996</b> page 140	<b>R996T</b> page 140	<b>R998</b> page 126	<b>R999</b> page 142	<b>R999I</b> page 143	<b>RM18</b> page 111
							
<b>RM19</b> page 111	<b>RM102</b> page 108	<b>RM102-G</b> page 111	<b>RM103</b> page 108	<b>RM103-G</b> page 111	<b>RM107</b> page 109	<b>RM107-G</b> page 112	<b>RM109</b> page 109
							
<b>RM109-G</b> page 112	<b>RM122</b> page 109	<b>RM122-G</b> page 112	<b>RM127</b> page 109	<b>RM127-G</b> page 112	<b>RM128</b> page 110	<b>RM129</b> page 109	<b>RM129-G</b> page 112
							
<b>RM130SP</b> page 109	<b>RM139</b> page 109	<b>RM139-G</b> page 112	<b>RM144</b> page 110	<b>RM150</b> page 110	<b>RM150-G</b> page 112	<b>RM151</b> page 110	<b>RM151-G</b> page 112
							
<b>RM153</b> page 110	<b>RM154</b> page 110	<b>RM154-G</b> page 112	<b>RM158</b> page 110	<b>RM173</b> page 111	<b>RM179</b> page 111	<b>RM179E</b> page 111	<b>RM179P-G</b> page 112
							
<b>RM179SP</b> page 111	<b>RMV103</b> page 111	<b>RP102</b> page 111	<b>RP200-1</b> page 112	<b>RP202</b> page 113	<b>RP203</b> page 113	<b>RP205</b> page 126	<b>RP208</b> page 127
							
<b>RP209</b> page 127	<b>T15TG</b> page 24	<b>T18C</b> page 34	<b>T22C</b> page 33	<b>T25C</b> page 23	<b>T26C</b> page 33	<b>T27C</b> page 23	<b>T29C</b> page 23
							
<b>T31C</b> page 23	<b>T175D</b> page 24	<b>T175D-1</b> page 24	<b>T177</b> page 24-121	<b>T178C</b> page 24-114	<b>T179M</b> page 24-113	<b>T357B</b> page 24	<b>T357M</b> page 24
							
<b>T358B</b> page 24	<b>T358M</b> page 24	<b>T386T</b> page 23	<b>T431C</b> page 23	<b>T432C</b> page 23	<b>T439L</b> page 23	<b>T450C</b> page 33	<b>T470C</b> page 23
							
<b>VES</b> page 187	<b>VES-2</b> page 187						

# Your freedom to renovate begins where Spider Slim ends.



at/aventis/s

Giacomini Spa - info@giacomini.com



Spider Slim, the system for thin and light radiant floors.

Spider Slim is an innovative system with top-notch performance that lowers the screed and offers unlimited renovation freedom. The result of Giacomini's research, this preformed panel with tridimensional geometry is a compact solution to achieve the best uniformity in thermal energy distribution.

**Spider Slim has a 50 mm laying pitch and can be used with self-levelling compounds, reducing the screed height up to 2 cm. A carefree choice for your renovation needs.**

MODEL		RF7020/20	RF7020/25
● MIN H A+B (COATING NOT INCLUDED)	min self-levelling	20	25
	min self-levelling	35	41
	min sand + concrete	40	46
● SCREED MIN H	min self-levelling	20	25
	min self-levelling	35	39
	min sand + concrete	40	40
● PANEL TOTAL H	min	15	21
● INSULATION H	min	-	6



Available with adhesive base or insulation, its height ranges between 15-21mm.





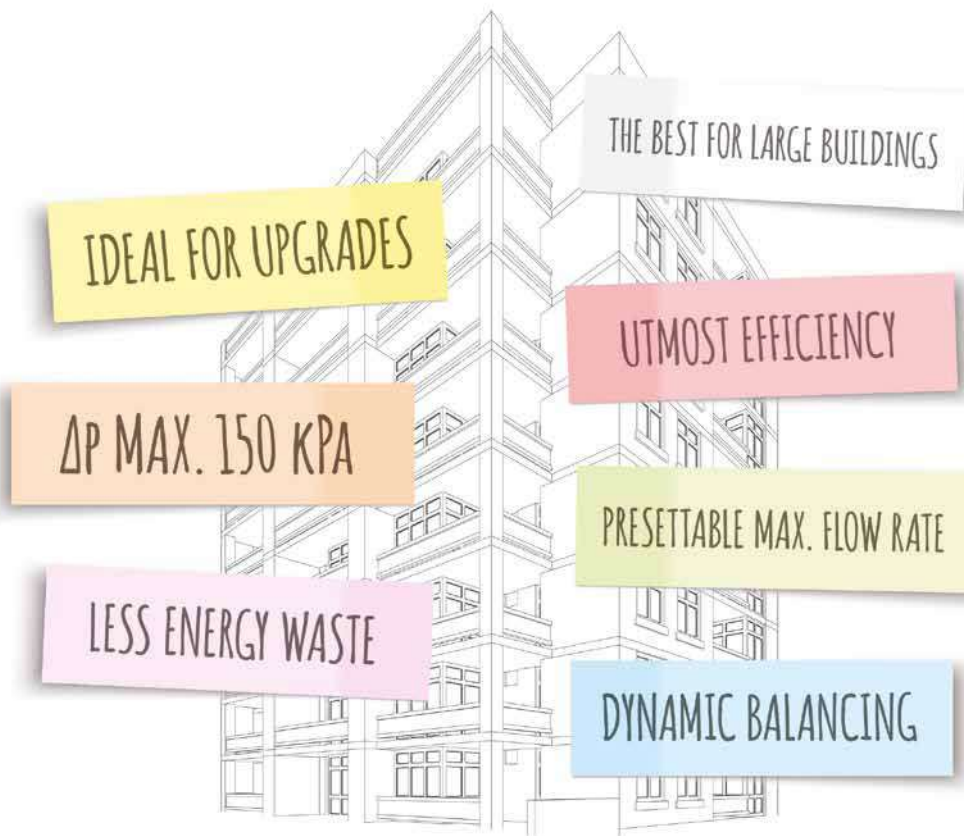
**PATENT PENDING**  
**Automatic Flow Rate Balancing.**  
The integrated cartridge controls and limits the flow rate to preset values while balancing every radiator of the system.



Energy  
Management

auverto®

Giacomini Spa - Via Per Alzo, 39 - 28017 San Maurizio d'Opaglio (NO) - Italy - Phone +39 0322 923111 - giacomini.com



THE BEST FOR LARGE BUILDINGS

IDEAL FOR UPGRADES

UTMOST EFFICIENCY

$\Delta P$  MAX. 150 KPA

PRESETTABLE MAX. FLOW RATE

LESS ENERGY WASTE

DYNAMIC BALANCING

## Comfort at every level.



DB thermostatic radiator valve  
with dynamic balancing.

These valves offer optimum control of differential pressure up to 150 kPa and flow rates up to 200 l/h (with thermostatic heads). DB valves provide outstanding performance for every application, from renovation to new build. These thermostatic radiator valves are also ideally suited to high buildings of multiple levels.

**No more complicated calculations, difficult calibrations or system imbalances: with DB valves your systems will maintain efficiency while saving time and energy.**

 **GIACOMINI**  
WATER E-MOTION



➤ Time to BIM.

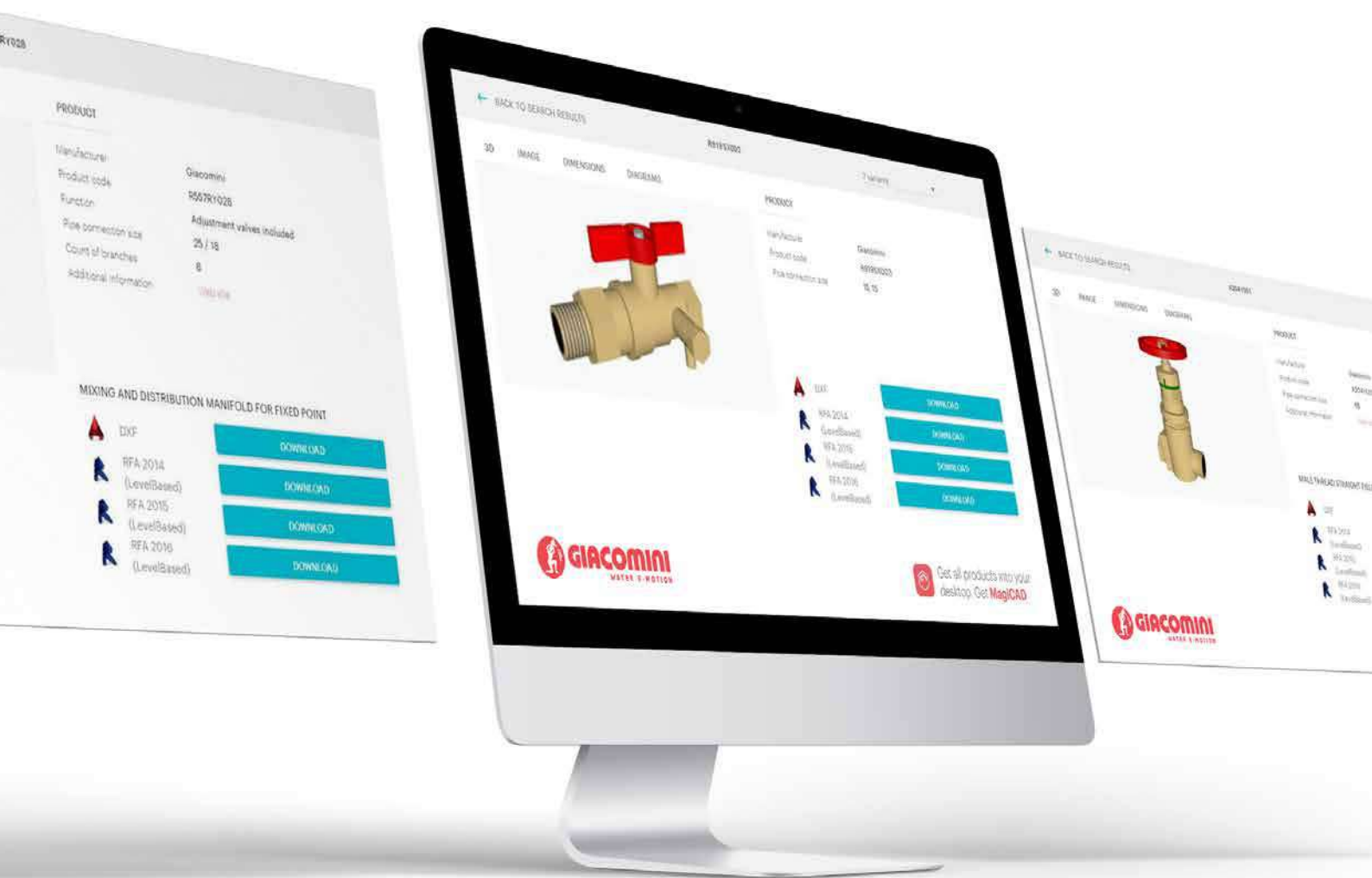
## More than 800 Giacomini products now uploaded in the MagiCAD software

Giacomini makes its 3D Giacomini product drawings available to designers and professionals for BIM applications. BIM is the acronym for **Building Information Modeling**, the system that allows designers to have a smart communication with IT tool for sizing, placing, shaping and for calculation.

Over 800 Giacomini products are already uploaded on magicloud.com, a software compatible with Magicad (.qpd), AutoCAD (.dxf) and Revit (.rfa). BIM supports the designer to

set up easily all drawings with Giacomini's components. Magicloud offers to designers state-of-the-art drawings and calculation functions for heating, cooling, ventilation, air conditioning and water distribution systems, as well as sewer, sprinkler and special systems, including energy efficiency calculations.

**BIM offers more efficiency and performance, less mistakes, time saving, information sharing and a better project control.**



Register on magicloud.com and start planning!

PRODUCTS AVAILABLE FOR	FILE FORMAT
MAGICAD	.QPD
AUTOCAD	.DXF
REVIT	.RFA



GIACOMINI.COM



ISO 9001:15    ISO 14001:15    OHSAS 18001:07

ediverano®

GIACOMINI S.P.A.  
VIA PER ALZO, 39  
28017 SAN MAURIZIO D'OPAGLIO  
NOVARA ITALY

---



**GIACOMINI**  
WATER E-MOTION