

**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.

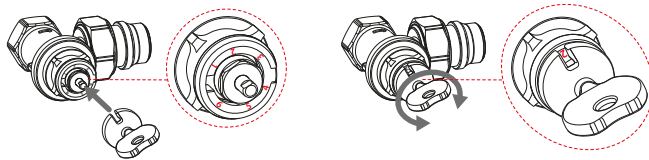
## R415DB

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

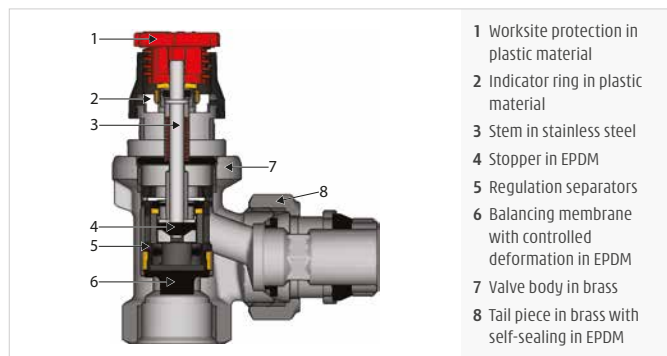
Reverse angle valve with thermostatic option with dynamic flow balancing, chrome plated, iron pipe connection and self-sealing tail pieces. With cover to protect the body before assembling.



**INFO**  
For adjustment use key R73P.

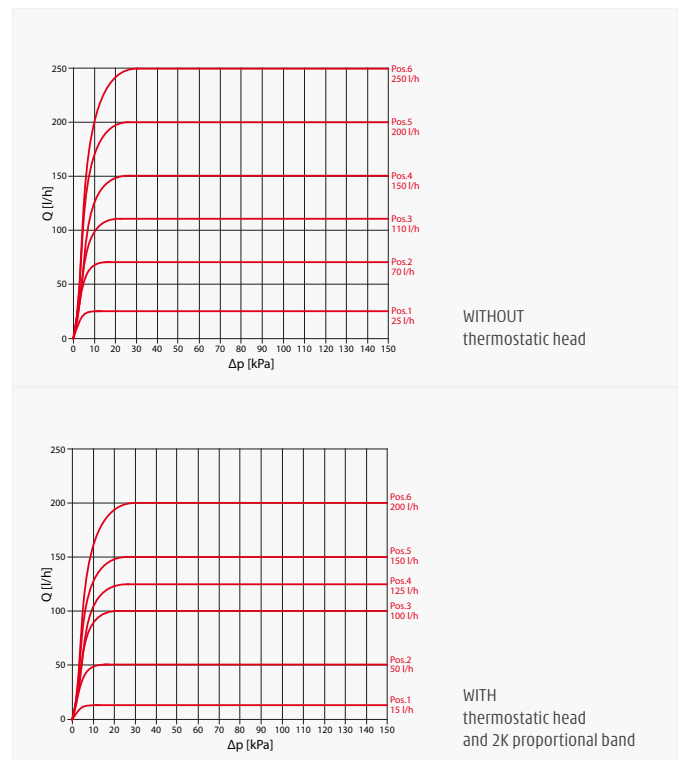


### COMPONENT



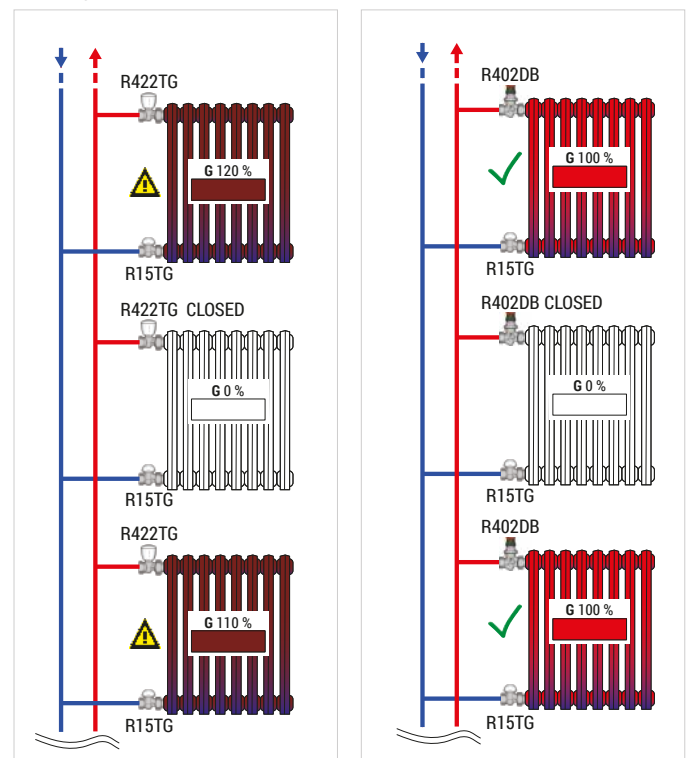
- 1 Worksite protection in plastic material
- 2 Indicator ring in plastic material
- 3 Stem in stainless steel
- 4 Stopper in EPDM
- 5 Regulation separators
- 6 Balancing membrane with controlled deformation in EPDM
- 7 Valve body in brass
- 8 Tail piece in brass with self-sealing in EPDM

### 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.

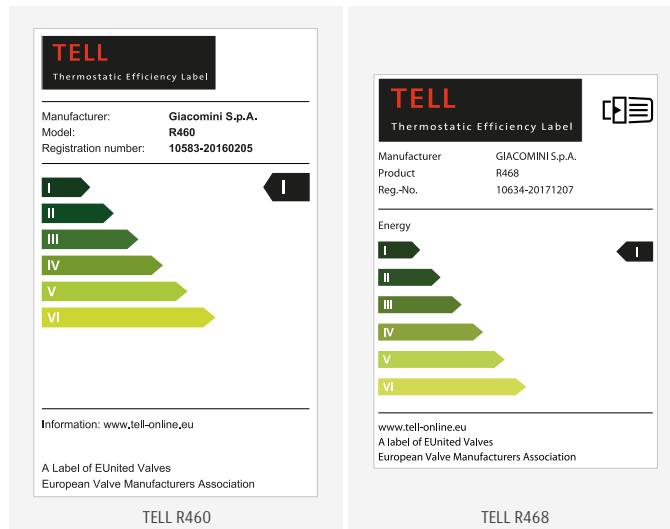
Max. working pressure in combination with the valve bodies: 10 bar.



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



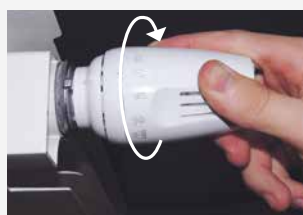
**THERMOSTATIC HEAD INSTALLATION WITH CLIP CLAP BAYONET CONNECTION.**



1. Fully open the head by turning the knob to position . 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 , 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 , 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

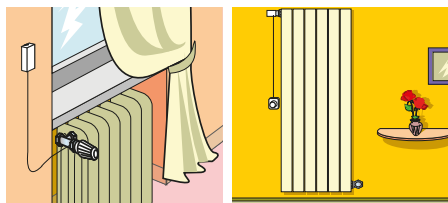
| PRODUCT CODE    | SIZE |   |    |
|-----------------|------|---|----|
| <b>R462X002</b> | 2 m  | 1 | 25 |
| <b>R462X005</b> | 5 m  | 1 | 25 |

Thermostatic head with remote liquid sensor. Adjustable on valve. Adjustment positions from \* to , 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

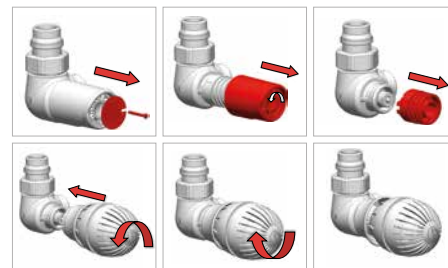
| PRODUCT CODE     | SIZE                    | □ | ⊞  |
|------------------|-------------------------|---|----|
| <b>T439LX023</b> | 1/2" x 16 - left valve  | 1 | 10 |
| <b>T439LX033</b> | 1/2" x 16 - right valve | 1 | 10 |

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.

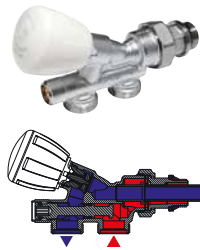
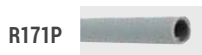


# Valves for twin-pipe system

## R440N

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

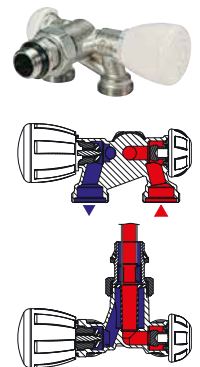
Compact micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 35 mm. Piping connection with base 16 adaptors.



## R358B1

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

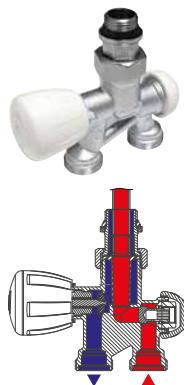
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the left.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



## R356B1

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

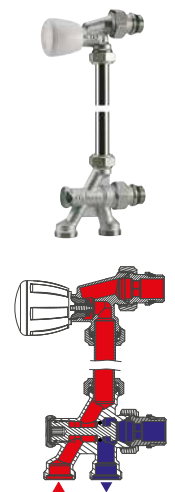
Straight micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the floor. To be completed with R171FY002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



## 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 |

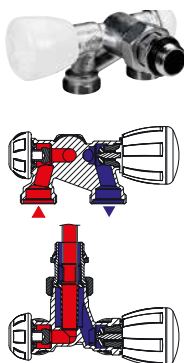
Angle valve and lockshield group with thermostatic option and connections from the floor, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. To be completed with R194 chrome plated connection pipe, Ø15 or Ø16 mm. Centre distance base 16: 35 mm.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



## R357B1

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

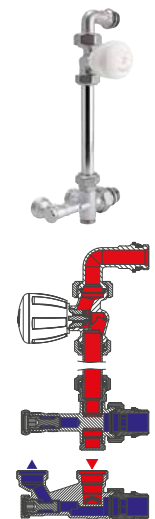
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the right.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



## 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.



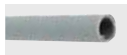
## Valves for single-pipe system

### 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.

R171P



### 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.

R171P

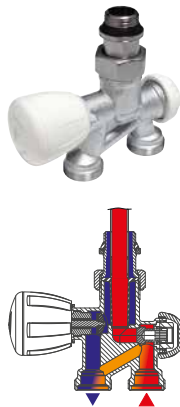


### R356M1

| 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.

R171F

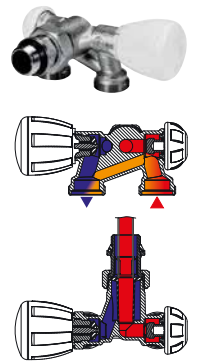


### R358M1

| 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.

R171F

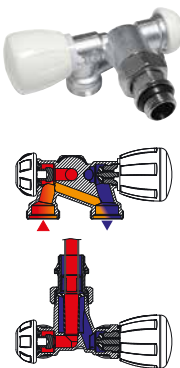


### R357M1

| 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.

R171F

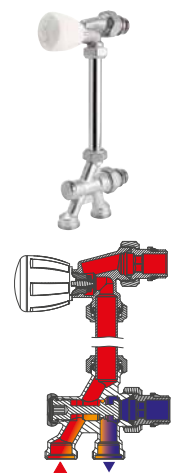


### R436

| 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.

R194



## R314N

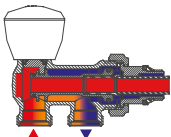
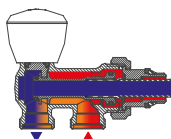
| PRODUCT CODE     | SIZE      | □ | ⊞  |
|------------------|-----------|---|----|
| <b>R314NX002</b> | 1/2" x 16 | 5 | 20 |

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 |

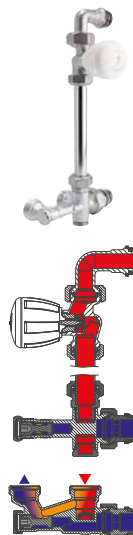
Straight valve and lockshield group with thermostatic option and connections from the wall, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems.

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 |

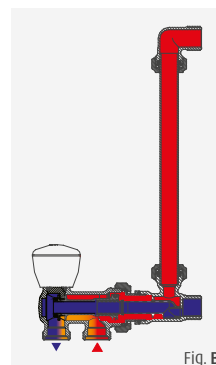
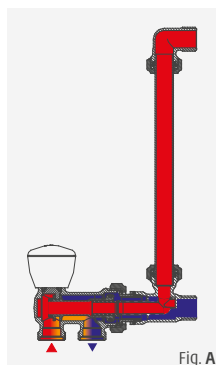
Manual valve and lockshield group, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems.

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

Centre distance: 35 mm.

Piping connection with base 16 adaptors.

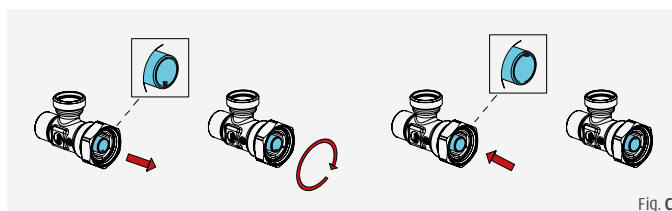
R194



### 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.

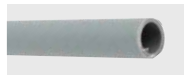




## R171P

| PRODUCT CODE | SIZE         |   |   |
|--------------|--------------|---|---|
| R171PY001    | Ø11 - 450 mm | 1 | - |
| R171PY002    | Ø12 - 450 mm | 1 | - |
| R171PY003    | Ø14 - 450 mm | 1 | - |

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



## R194

| PRODUCT CODE | SIZE          |   |   |
|--------------|---------------|---|---|
| R194X002     | Ø16 - 600 mm  | 1 | - |
| R194X003     | Ø16 - 900 mm  | 1 | - |
| R194X004     | Ø16 - 1000 mm | 1 | - |
| R194X006     | 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

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

## Valves for panel radiators

### R385T

| PRODUCT CODE | SIZE                 |   |    |
|--------------|----------------------|---|----|
| R385TX013    | 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                 |   |    |
|--------------|----------------------|---|----|
| R386TX013    | 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                 |   |    |
|--------------|----------------------|---|----|
| R387LX001    | 3/4"F x base 18      | 1 | 50 |
| R387LX011    | 1/2"M x base 18      | 1 | 50 |
| R387LX002    | 3/4"F x 3/4"Eurocone | 1 | 50 |
| R387LX012    | 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                 |   |    |
|--------------|----------------------|---|----|
| R388LX001    | 3/4"F x base 18      | 1 | 50 |
| R388LX011    | 1/2"M x base 18      | 1 | 50 |
| R388LX002    | 3/4"F x 3/4"Eurocone | 1 | 50 |
| R388LX012    | 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

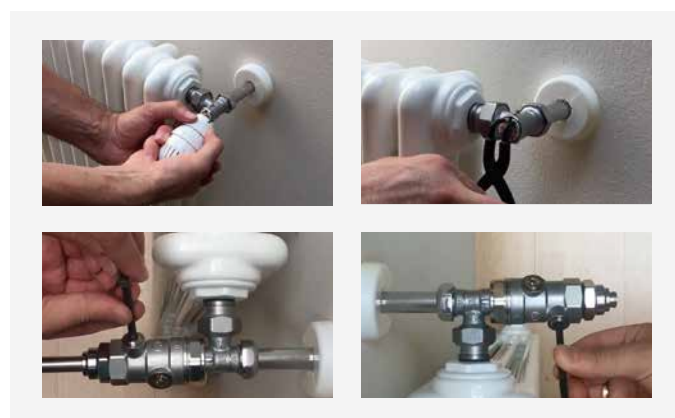
| PRODUCT CODE    | SIZE          |   |     |
|-----------------|---------------|---|-----|
| <b>R400Y001</b> | -             | 1 | 25  |
| <b>R453Y001</b> | Ring for R400 | 1 | 100 |

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

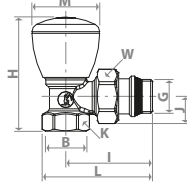
## MANUAL VALVES

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

DIMENSIONS IN MM

### R5TG

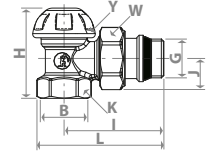
| PRODUCT CODE  | GXB       | H  | I  | J  | K  | L  | M  | W  |
|---------------|-----------|----|----|----|----|----|----|----|
| <b>R5X032</b> | 3/8"x3/8" | 65 | 50 | 19 | 22 | 71 | 42 | 27 |
| <b>R5X033</b> | 1/2"x1/2" | 70 | 53 | 21 | 26 | 74 | 42 | 30 |
| <b>R5X034</b> | 3/4"x3/4" | 79 | 60 | 23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



### R14TG

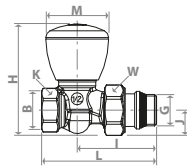
| PRODUCT CODE    | GXB           | H  | I  | J  | K  | L   | Y  | W  |
|-----------------|---------------|----|----|----|----|-----|----|----|
| <b>R14X032</b>  | 3/8"x3/8"     | 43 | 50 | 19 | 22 | 66  | -  | 27 |
| <b>R14X033</b>  | 1/2"x1/2"     | 47 | 53 | 21 | 26 | 70  | -  | 30 |
| <b>R14X034*</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

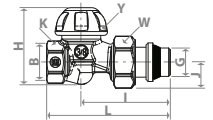
| PRODUCT CODE  | GXB       | H  | I  | J  | K  | L   | M  | W  |
|---------------|-----------|----|----|----|----|-----|----|----|
| <b>R6X032</b> | 3/8"x3/8" | 69 | 56 | 15 | 22 | 77  | 42 | 27 |
| <b>R6X033</b> | 1/2"x1/2" | 73 | 60 | 17 | 26 | 84  | 42 | 30 |
| <b>R6X034</b> | 3/4"x3/4" | 86 | 55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



### R15TG

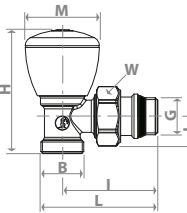
| PRODUCT CODE    | GXB           | H  | I  | J  | K  | L   | Y  | W  |
|-----------------|---------------|----|----|----|----|-----|----|----|
| <b>R15X032</b>  | 3/8"x3/8"     | 47 | 56 | 15 | 22 | 76  | -  | 27 |
| <b>R15X033</b>  | 1/2"x1/2"     | 51 | 60 | 17 | 26 | 83  | -  | 30 |
| <b>R15X034*</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

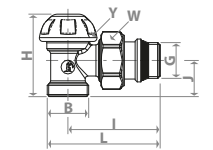
| PRODUCT CODE   | GXB       | H  | I  | J  | L  | Y  | W  |
|----------------|-----------|----|----|----|----|----|----|
| <b>R25X032</b> | 3/8"x16   | 69 | 53 | 21 | 74 | 42 | 30 |
| <b>R25X033</b> | 1/2"x16   | 69 | 53 | 21 | 74 | 42 | 30 |
| <b>R25X034</b> | 1/2"x18   | 73 | 54 | 24 | 75 | 42 | 30 |
| <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

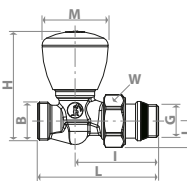
| PRODUCT CODE    | GXB     | H  | I  | J  | L  | Y  | W  |
|-----------------|---------|----|----|----|----|----|----|
| <b>R29X032</b>  | 3/8"x16 | 47 | 53 | 21 | 70 | -  | 30 |
| <b>R29X033</b>  | 1/2"x16 | 47 | 53 | 21 | 70 | -  | 30 |
| <b>R29X034</b>  | 1/2"x18 | 50 | 54 | 24 | 71 | -  | 30 |
| <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

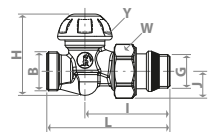
| PRODUCT CODE   | GXB       | H  | I  | J  | L  | Y  | W  |
|----------------|-----------|----|----|----|----|----|----|
| <b>R27X032</b> | 3/8"x16   | 73 | 52 | 17 | 75 | 42 | 30 |
| <b>R27X033</b> | 1/2"x16   | 73 | 52 | 17 | 76 | 42 | 30 |
| <b>R27X034</b> | 1/2"x18   | 73 | 52 | 17 | 77 | 42 | 30 |
| <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

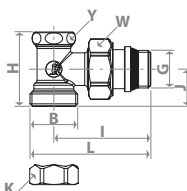
| PRODUCT CODE    | GXB     | H  | I  | J  | L  | Y  | W  |
|-----------------|---------|----|----|----|----|----|----|
| <b>R31X032</b>  | 3/8"x16 | 51 | 52 | 17 | 75 | -  | 30 |
| <b>R31X033</b>  | 1/2"x16 | 51 | 52 | 17 | 76 | -  | 30 |
| <b>R31X034</b>  | 1/2"x18 | 51 | 52 | 17 | 77 | -  | 30 |
| <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



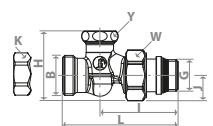
### R16TG

| 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 |





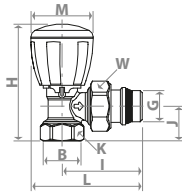
## MICROMETRIC VALVES WITH THERMOSTATIC OPTION

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

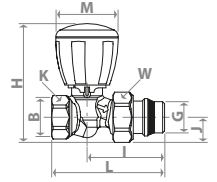
### R421TG

| 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 |



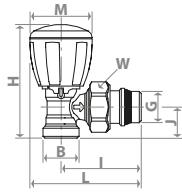
### R422TG

| 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 |



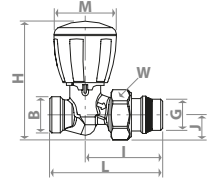
### R431TG

| 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 |



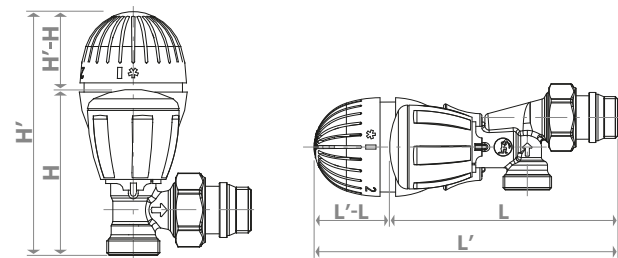
### R432TG

| 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

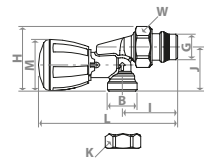
| PRODUCT CODE    | R460X001 | R470X001 | R468CX001 | R468X001 |
|-----------------|----------|----------|-----------|----------|
| H'-H            | 53       | 35       | 63        | 52       |
| LI-L for R435TG | 53       | 35       | 63        | 52       |



### 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



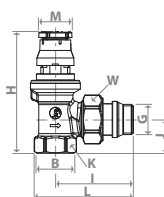
## RADIATOR VALVES WITH THERMOSTATIC OPTION WITH DYNAMIC FLOW BALANCING

DIMENSIONS IN MM

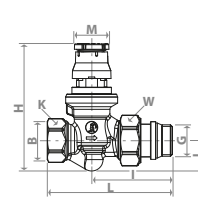
Fluids: water and glycol-based solutions (max. 30 %)  
 Temperature range: 5÷95 °C  
 Max. working pressure for manual applications: 16 bar  
 Max. working pressure in association with thermostatic heads: 10 bar

### DB series

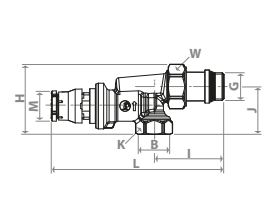
| PRODUCT CODE | GXB         | H  | I  | J  | K  | L   | M  | W  |
|--------------|-------------|----|----|----|----|-----|----|----|
| R401DBX032   | 3/8" x 3/8" | 79 | 51 | 20 | 22 | 68  | 23 | 27 |
| R401DBX033   | 1/2" x 1/2" | 83 | 53 | 23 | 26 | 71  | 23 | 30 |
| R402DBX032   | 3/8" x 3/8" | 83 | 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

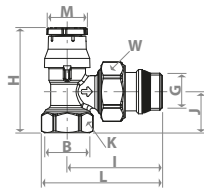
## VALVES WITH THERMOSTATIC OPTION

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

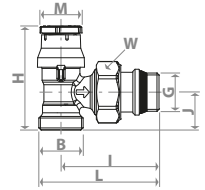
### R401TG-R401PTG

| 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 |



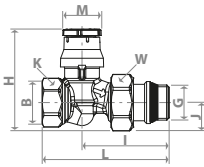
### R411TG-R411PTG

| 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 |



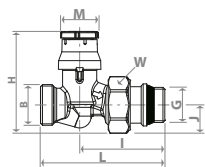
### R402TG-R402PTG

| 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 |

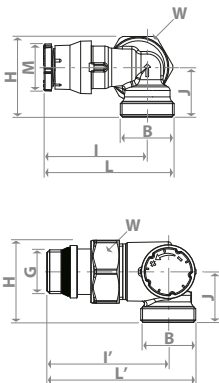


### R403TG

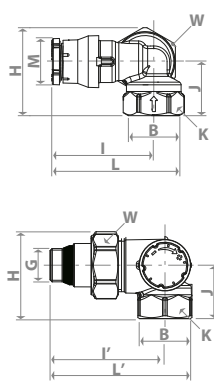
| PRODUCT CODE | GXB          | H  | I  | I' | J  | L  | L' | M  | W  | K  |
|--------------|--------------|----|----|----|----|----|----|----|----|----|
| R403X052     | 3/8"x3/8" sx | 43 | 50 | 57 | 27 | 65 | 71 | 23 | 30 | 27 |
| R403X062     | 3/8"x3/8" dx | 43 | 50 | 57 | 27 | 65 | 71 | 23 | 30 | 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



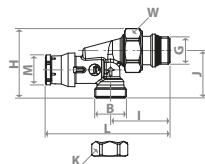
#### IRON PIPE CONNECTION



### R415TG-R415PTG

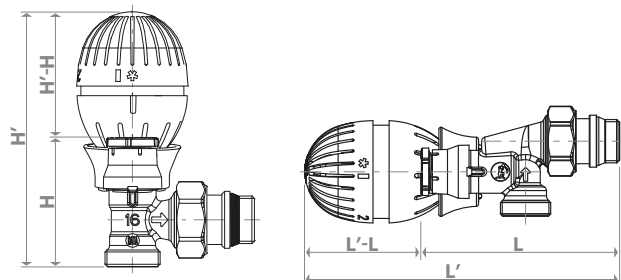
| PRODUCT CODE | GXB        | H  | I  | J  | K  | L   | M  | W  |
|--------------|------------|----|----|----|----|-----|----|----|
| R415X033     | 1/2"x1/2"* | 53 | 53 | 36 | 25 | 106 | 23 | 30 |
| R415X042     | 1/2"x16    | 53 | 45 | 36 | -  | 94  | 23 | 30 |
| R415X043     | 1/2"x18    | 53 | 45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

\* R415X033 hexagonal connection for iron pipe



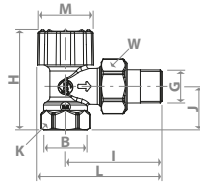
#### DIMENSIONS WITH INSTALLED THERMOSTATIC HEAD

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



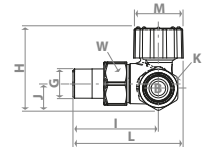
## R401H

| 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 |



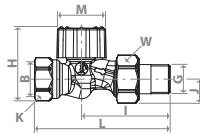
## R403H

| 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 |



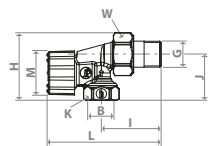
## R402H

| 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

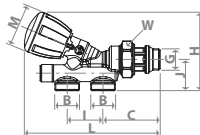
Temperature range: 5÷110 °C

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

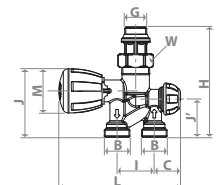
## R440N

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



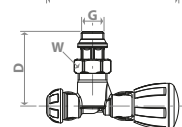
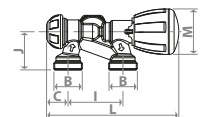
## R356B1

| 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 |



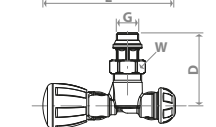
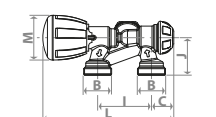
## R357B1

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



## R358B1

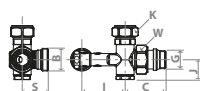
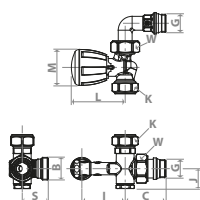
| PRODUCT CODE     | GXB     | I  | J  | L   | C  | D  | M  | W  |
|------------------|---------|----|----|-----|----|----|----|----|
| <b>R358BX062</b> | 1/2"x18 | 50 | 35 | 123 | 22 | 68 | 42 | 30 |



## 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

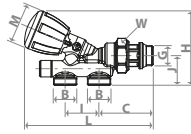


Temperature range: 5÷110 °C  
 Max. operating pressure: 10 bar  
 Percentage of power supply to the radiator in the single-pipe version: 50% with manual handwheel, 35% with thermostatic head

DIMENSIONS IN MM

## R437N

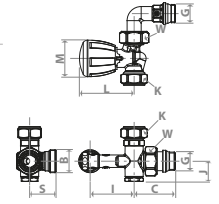
| PRODUCT CODE     | GXB     | I  | H  | J  | L   | C  | M  | W  |
|------------------|---------|----|----|----|-----|----|----|----|
| <b>R437NX031</b> | 1/2"x16 | 35 | 47 | 30 | 133 | 56 | 42 | 30 |



## R436M-1

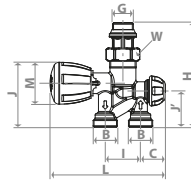
| PRODUCT CODE     | GXB     | I  | J  | L  | C  | S  | M  | K  | W  |
|------------------|---------|----|----|----|----|----|----|----|----|
| <b>R436MX033</b> | 1/2"x18 | 50 | 23 | 62 | 47 | 30 | 42 | 27 | 30 |

The R194 Ø16 tube must be purchased separately



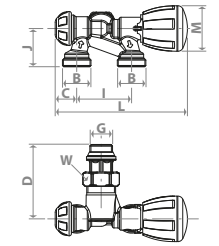
## R356M1

| 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 |



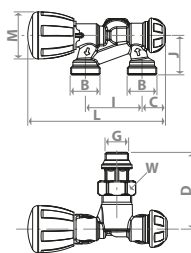
## R357M1

| 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 |



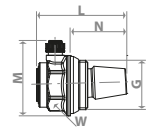
## R358M1

| 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

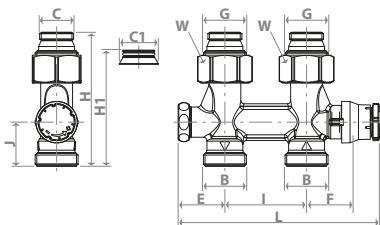
| PRODUCT CODE    | GXB      | L  | M  | N  | W  |
|-----------------|----------|----|----|----|----|
| <b>R200X001</b> | 1"dx     | 60 | 50 | 37 | 31 |
| <b>R200X002</b> | 1"sx     | 60 | 50 | 37 | 31 |
| <b>R200X003</b> | 1 1/4"dx | 60 | 62 | 35 | 31 |
| <b>R200X004</b> | 1 1/4"sx | 60 | 62 | 35 |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



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

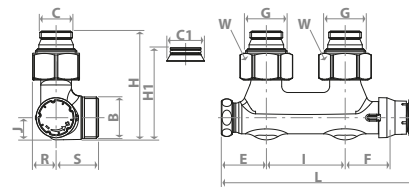
## R385T

| 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 | -  |