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

Technical and dimensional data
## Manual radiator valves

### R5TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>#</th>
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</tr>
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<tbody>
<tr>
<td>R5X032</td>
<td>3/8&quot;</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>R5X033</td>
<td>1/2&quot;</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>R5X034</td>
<td>3/4&quot;*</td>
<td>5</td>
<td>50</td>
</tr>
<tr>
<td>R5X035</td>
<td>1&quot;*</td>
<td>2</td>
<td>20</td>
</tr>
</tbody>
</table>

* Tail piece without self-sealing

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

### R6TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
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<tr>
<td>R6X033</td>
<td>1/2&quot;</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>R6X034</td>
<td>3/4&quot;*</td>
<td>5</td>
<td>50</td>
</tr>
<tr>
<td>R6X035</td>
<td>1&quot;*</td>
<td>2</td>
<td>20</td>
</tr>
</tbody>
</table>

* Tail piece without self-sealing

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

### R25TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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<th>#</th>
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<tbody>
<tr>
<td>R25X032</td>
<td>3/8&quot; x16</td>
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<tr>
<td>R25X033</td>
<td>1/2&quot; x16</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>R25X034</td>
<td>1/2&quot; x18</td>
<td>1</td>
<td>50</td>
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</tbody>
</table>

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

### R705A

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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<tr>
<td>R705X013</td>
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<tr>
<td>R705X023</td>
<td>1/2&quot;</td>
<td>50</td>
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</tbody>
</table>

* Tail piece without self-sealing

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

### R27TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>#</th>
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</thead>
<tbody>
<tr>
<td>R27X032</td>
<td>3/8&quot; x 16</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>R27X033</td>
<td>1/2&quot; x 16</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>R27X034</td>
<td>1/2&quot; x 18</td>
<td>1</td>
<td>50</td>
</tr>
</tbody>
</table>

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

### R706A

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</thead>
<tbody>
<tr>
<td>R706X013</td>
<td>1/2&quot;</td>
<td>5</td>
<td>50</td>
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</tbody>
</table>

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

## Radiator valves with thermostatic option

### R421TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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<tr>
<td>R421X133</td>
<td>1/2&quot;**</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>R421X034</td>
<td>3/4&quot;*</td>
<td>5</td>
<td>50</td>
</tr>
<tr>
<td>R421X035</td>
<td>1&quot;*</td>
<td>2</td>
<td>20</td>
</tr>
</tbody>
</table>

* Tail piece without self-sealing

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

### R422TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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<th>#</th>
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<tbody>
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<td>3/8&quot;**</td>
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<tr>
<td>R422X133</td>
<td>1/2&quot;**</td>
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<td>50</td>
</tr>
<tr>
<td>R422X034</td>
<td>3/4&quot;*</td>
<td>5</td>
<td>50</td>
</tr>
<tr>
<td>R422X035</td>
<td>1&quot;*</td>
<td>2</td>
<td>20</td>
</tr>
</tbody>
</table>

* Tail piece without self-sealing

Micrometric straight valve with thermostatic option, chrome plated, iron pipe connection and self-sealing tail pieces.
**R431TG**

**PRODUCT CODE** | **SIZE** | **CODE**
--- | --- | ---
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** | **CODE**
--- | --- | ---
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** | **CODE**
--- | --- | ---
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.

**R402TG**

**PRODUCT CODE** | **SIZE** | **CODE**
--- | --- | ---
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.

**R411TG**

**PRODUCT CODE** | **SIZE** | **CODE**
--- | --- | ---
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 10 or base 18 adaptors.

**R412TG**

**PRODUCT CODE** | **SIZE** | **CODE**
--- | --- | ---
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.

**R415TG**

**IRON PIPE CONNECTION**

**PRODUCT CODE** | **SIZE** | **CODE**
--- | --- | ---
R415X033 | 1/2" | 1 50

**ADAPTOR CONNECTION**

**PRODUCT CODE** | **SIZE** | **CODE**
--- | --- | ---
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. Adaptor connection: piping connection with base 16 or base 18 adaptors.

**R403TG**

**IRON PIPE CONNECTION**

**PRODUCT CODE** | **SIZE** | **CODE**
--- | --- | ---
R403X032 | 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** | **CODE**
--- | --- | ---
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 | INFO
---|---|---
R401DBX032 | 3/8” | For adjustment use key R73P.
R401DBX033 | 1/2” | For adjustment use key R73P.

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.

**R402DB**

PRODUCT CODE | SIZE | INFO
---|---|---
R402DBX032 | 3/8” | For adjustment use key R73P.
R402DBX033 | 1/2” | For adjustment use key R73P.

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.

**R415DB**

PRODUCT CODE | SIZE | INFO
---|---|---
R415DBX033 | 1/2” | For adjustment use key R73P.

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.

**FLOW RATE PRESETTING**

<table>
<thead>
<tr>
<th>Presetting position</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow rate WITHOUT thermostatic head [l/h]</td>
<td>25</td>
<td>70</td>
<td>110</td>
<td>150</td>
<td>200</td>
<td>250</td>
</tr>
<tr>
<td>Flow rate WITH thermostatic head [l/h]</td>
<td>15</td>
<td>50</td>
<td>100</td>
<td>125</td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td>Δp min [kPa]</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>150</td>
</tr>
</tbody>
</table>

**PARTIAL LOAD**

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
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 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 - 7 - N (N = fully open).

Radiator valves with thermostatic option and presetting

PTG valves with a special manoeuvring bonnet determine 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 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 - 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

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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<tbody>
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<td>R401PX232</td>
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<td>1</td>
</tr>
<tr>
<td>R401PX233</td>
<td>1/2”</td>
<td>1</td>
</tr>
<tr>
<td>R401PX234</td>
<td>3/4”</td>
<td>1</td>
</tr>
</tbody>
</table>

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.

### R402PTG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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<tbody>
<tr>
<td>R402PX232</td>
<td>3/8”</td>
<td>1</td>
</tr>
<tr>
<td>R402PX233</td>
<td>1/2”</td>
<td>1</td>
</tr>
<tr>
<td>R402PX234</td>
<td>3/4”</td>
<td>1</td>
</tr>
</tbody>
</table>

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.

### R412PTG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
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<tbody>
<tr>
<td>R412PX232</td>
<td>3/8”</td>
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</tr>
<tr>
<td>R412PX233</td>
<td>1/2”</td>
<td>1</td>
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</tbody>
</table>

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.

### R415PTG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</thead>
<tbody>
<tr>
<td>R415PX242</td>
<td>1/2”</td>
<td>1</td>
</tr>
</tbody>
</table>

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.

### R460PA

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</thead>
<tbody>
<tr>
<td>R460PA002</td>
<td>3/8” x 16 - angle</td>
<td>50</td>
</tr>
<tr>
<td>R460PA003</td>
<td>1/2” x 16 - angle</td>
<td>50</td>
</tr>
<tr>
<td>R460PA012</td>
<td>3/8” x 16 - straight</td>
<td>50</td>
</tr>
<tr>
<td>R460PA013</td>
<td>1/2” x 16 - straight</td>
<td>50</td>
</tr>
</tbody>
</table>

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 |  |
---|---|---|
R401DX003 | 1/2" | 5 50 |
R401DX004 | 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.

**R402H**

PRODUCT CODE | SIZE |  |
---|---|---|
R402HX003 | 1/2" | 1 50 |
R402HX004 | 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.

**R402D**

PRODUCT CODE | SIZE |  |
---|---|---|
R402DX003 | 1/2" | 10 100 |
R402DX004 | 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.

**R403H**

PRODUCT CODE | SIZE |  |
---|---|---|
R403HX023 | 1/2"-left | 1 50 |
R403HX033 | 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.

**R401H**

PRODUCT CODE | SIZE |  |
---|---|---|
R401HX003 | 1/2" | 1 50 |
R401HX004 | 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.

**R415H**

PRODUCT CODE | SIZE |  |
---|---|---|
R415HX003 | 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.

**Lockshields**

**R16TG**

IRON PIPE CONNECTION
PRODUCT CODE | SIZE |  |
---|---|---|
R16TX032 | 3/8" | 1 50 |
R16TX033 | 1/2" | 1 50 |

ADAPTOR CONNECTION
PRODUCT CODE | SIZE |  |
---|---|---|
R16EX037 | 1/2" x 3/4" Eurocone | 1 50 |


**R17TG**

IRON PIPE CONNECTION
PRODUCT CODE | SIZE |  |
---|---|---|
R17X032 | 3/8" | 1 50 |
R17X033 | 1/2" | 1 50 |

ADAPTOR CONNECTION
PRODUCT CODE | SIZE |  |
---|---|---|
R17EX037 | 1/2" x 3/4" Eurocone | 1 50 |

R14TG

PRODUCT CODE | SIZE | |
--- | --- | ---
R14X032 | 3/8" | 1 | 50
R14X033 | 1/2" | 1 | 50
R14X034 | 3/4"* | 5 | 50
R14X035 | 1"* | 2 | 20
R14X036 | 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 | |
--- | --- | ---
R15X032 | 3/8" | 1 | 50
R15X033 | 1/2" | 1 | 50
R15X034 | 3/4"* | 5 | 50
R15X035 | 1"* | 2 | 20
R15X036 | 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 | |
--- | --- | ---
R29X032 | 3/8" x 16 | 1 | 50
R29X033 | 1/2" x 16 | 1 | 50
R29X034 | 1/2" x 18 | 1 | 50
R29X035 | 3/4" x 18 * | 5 | 50
R29X036 | 3/4" x 22 * | 5 | 50
R29EX037 | 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 | |
--- | --- | ---
R31X032 | 3/8" x 16 | 1 | 50
R31X033 | 1/2" x 16 | 1 | 50
R31X034 | 1/2" x 18 | 1 | 50
R31X035 | 3/4" x 18 * | 5 | 50
R31X036 | 3/4" x 22 * | 5 | 50
R31EX037 | 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 | |
--- | --- | ---
R16DX002 | 3/8" | 10 | 100
R16DX003 | 1/2" | 10 | 100
R16DX004 | 3/4" | 5 | 50

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

R17D2

PRODUCT CODE | SIZE | |
--- | --- | ---
R17DX002 | 3/8" | 10 | 100
R17DX003 | 1/2" | 10 | 100
R17DX004 | 3/4" | 5 | 50

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

R16C2

PRODUCT CODE | SIZE | |
--- | --- | ---
R16CX003 | 1/2" x Ø15 | 1 | 50


R17C2

PRODUCT CODE | SIZE | |
--- | --- | ---
R17CX003 | 1/2" x Ø15 | 1 | 50


R714TG

PRODUCT CODE | SIZE | |
--- | --- | ---
R714X032 | 3/8" | 10 | 100
R714X033 | 1/2" | 10 | 100
R714X034 | 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 | |
--- | --- | ---
R715X032 | 3/8" | 10 | 100
R715X033 | 1/2" | 10 | 100
R715X034 | 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

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.

### R460

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>CERTIFICATIONS AND SYMBOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R460X001</td>
<td>- 1 50</td>
<td></td>
</tr>
</tbody>
</table>

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 1 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.

### R460H

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>CERTIFICATIONS AND SYMBOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R460HX001</td>
<td>- 1 50</td>
<td></td>
</tr>
</tbody>
</table>

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 1 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.

### R468

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>CERTIFICATIONS AND SYMBOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R468X001</td>
<td>- 1 50</td>
<td></td>
</tr>
</tbody>
</table>

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 1 to ☼, corresponding to a temperature range of 8-28 °C. Position “0” 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.

### R468H

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>CERTIFICATIONS AND SYMBOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>R468HX001</td>
<td>- 1 50</td>
<td></td>
</tr>
<tr>
<td>R468HX051</td>
<td>With anti-tamper ring nut</td>
<td>1 50</td>
</tr>
</tbody>
</table>

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 1 to ☼, corresponding to a temperature range of 8-28 °C. Position “0” 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.
1. Fully open the head by turning the knob to position ①. 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 
R470X001 - 1 50

Thermostatic head with liquid sensor. CLIP CLAP quick connection system for installation on all the “TG, D, F series” valves with thermostatic option. Adjustment positions from ① to ☼. Temperature range of 8÷32 °C. Max. working pressure in combination with the valve bodies: 5-110 °C.

K470W

PRODUCT CODE SIZE ●
K470WX001 - 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.

K470H

PRODUCT CODE SIZE ●
K470HX001 - 1 20

Chronothermostat for radiators. Ring nut with standard thread M30x1.5 mm for installation on all the “H series” valves with thermostatic option. Equipment with adaptors for installation on all the “TG, D, F series” valves with thermostatic option. 4 programmable daily time bands. Serial port to K471 programming key.

K471

PRODUCT CODE SIZE ●
K471X001 - 1 -

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

R462

PRODUCT CODE SIZE ●
R462X002 2 m 1 25
R462X005 5 m 1 25

Thermostatic head with remote liquid sensor. Adjustable on valve. Adjustment positions from ① to ☼. Temperature range of 8÷32 °C.

R463

PRODUCT CODE SIZE ●
R463X002 2 m 1 25
R463X005 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**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>INFO</th>
</tr>
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<tbody>
<tr>
<td>R705KX003</td>
<td>1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>R705KX113</td>
<td>1/2&quot; x 16</td>
<td></td>
</tr>
</tbody>
</table>

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

**INFO**

R705KX003: R705A + R16TG.

**R706K**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>R706KX003</td>
<td>1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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

**INFO**

R706KX003: R706A + R17TG.

---

**R470A**

**ANGLE AND STRAIGHT KIT**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>R470AX002</td>
<td>3/8&quot; x 16 - angle</td>
<td></td>
</tr>
<tr>
<td>R470AX003</td>
<td>1/2&quot; x 16 - angle</td>
<td></td>
</tr>
<tr>
<td>R470AX012</td>
<td>3/8&quot; x 16 - straight</td>
<td></td>
</tr>
<tr>
<td>R470AX013</td>
<td>1/2&quot; x 16 - straight</td>
<td></td>
</tr>
</tbody>
</table>

Radiator system kit (valve and lockshield), with R470 thermostatic head, adapter connection. Piping connection with base 16 adaptors.

**INFO**

R470AX002, R470AX003: R470 + R401TG + R14TG.
R470AX012, R470AX013: R470 + R402TG + R15TG.
R470AX023: R470 + R415TG + R14TG.

---

**R470F**

**ANGLE AND STRAIGHT KIT**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>R470FX002</td>
<td>3/8&quot; - angle</td>
<td></td>
</tr>
<tr>
<td>R470FX003</td>
<td>1/2&quot; - angle</td>
<td></td>
</tr>
<tr>
<td>R470FX012</td>
<td>3/8&quot; - straight</td>
<td></td>
</tr>
<tr>
<td>R470FX013</td>
<td>1/2&quot; - straight</td>
<td></td>
</tr>
</tbody>
</table>

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.

---

**R470F-KV**

**COAXIAL KIT**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>R470FX023</td>
<td>1/2&quot; - angle</td>
<td></td>
</tr>
</tbody>
</table>

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

**INFO**

R470FX002 - R470FX003
Polish chrome plated valves

**T470C**

**PRODUCT CODE** SIZE
T470CX001 - 1 50

Thermostatic head with liquid sensor, for towel dryer, 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.

**T29C**

**PRODUCT CODE** SIZE
T29CX003 1/2" x 16 1 20

Angle lockshield for towel dryer, polish chrome plated, adaptor connection and self-sealing tail pieces.
Piping connection with base 16 adaptors for towel dryer.

**T31C**

**PRODUCT CODE** SIZE
T31CX003 1/2" x 16 1 20

Straight lockshield for towel dryer, polish chrome plated, adaptor connection and self-sealing tail pieces.
Piping connection with base 16 adaptors for towel dryer.

**T25C**

**PRODUCT CODE** SIZE
T25CX003 1/2" x 16 1 20

Manual angle valve for towel dryer, polish chrome plated, adaptor connection and self-sealing tail pieces.
Piping connection with base 16 adaptors for towel dryer.

**T27C**

**PRODUCT CODE** SIZE
T27CX003 1/2" x 16 1 20

Manual straight valve for towel dryer, polish chrome plated, adaptor connection and self-sealing tail pieces.
Piping connection with base 16 adaptors for towel dryer.

**T431C**

**PRODUCT CODE** SIZE
T431CX003 1/2" x 16 1 20

Micrometric angle valve for towel dryer, with thermostatic option, polish chrome plated, adaptor connection and self-sealing tail pieces.
Piping connection with base 16 adaptors for towel dryer.

**T432C**

**PRODUCT CODE** SIZE
T432CX003 1/2" x 16 1 20

Micrometric straight valve for towel dryer, with thermostatic option, polish chrome plated, adaptor connection and self-sealing tail pieces.
Piping connection with base 16 adaptors for towel dryer.

**T386T**

**PRODUCT CODE** SIZE
T386TX013 3/4" 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 towel dryer.
**T357M**

**PRODUCT CODE**  
T357MX011  
**SIZE**  
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**  
T358MX011  
**SIZE**  
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 complete with R171CY002, R171PY002 probes (Ø12 mm).  
Centre distance: 35 mm.  
Piping connection with base 16 adaptors.

**T357B**

**PRODUCT CODE**  
T357BX021  
**SIZE**  
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**  
T358BX021  
**SIZE**  
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.

**T178C**

**PRODUCT CODE**  
T178CX012  
**SIZE**  
16 x Ø10  
**1 30**

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

**T179M**

**PRODUCT CODE**  
T179MX024  
**SIZE**  
3/4”Eurocone x (16 x 2)  
**1 10**

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

**T177**

**PRODUCT CODE**  
T177X010  
**SIZE**  
1/2” x 16  
**1 25**

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

**T15TG**

**PRODUCT CODE**  
T15TGX004  
**SIZE**  
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  
R440NX032  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  
R358BX062  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 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  
R356BX062  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.

**R357B1**

PRODUCT CODE  SIZE  
R357BX062  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.

**R438**

PRODUCT CODE  SIZE  
R438X035  1/2” x 16 (connect.pipe 15 mm)  1  25
R438X036  1/2” x 18 (connect.pipe 15 mm)  1  25
R438X062  1/2” x 16 (connect.pipe 16 mm)  1  25
R438X063  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.

**R438MTG**

PRODUCT CODE  SIZE  
R438MX033  1/2” x 18 (connect.pipe 16 mm)  1  25
R438MX036  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**  
R437NX031  
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.

**R356M1**

**PRODUCT CODE**  
R356MX061  
1/2” x 16  
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.

**R357M1**

**PRODUCT CODE**  
R357MX062  
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.

**R436**

**PRODUCT CODE**  
R436X035  
1/2” x 16 (connect.pipe 15 mm)  
1 25

Angle valve and lockshield group with thermostatic option and connections from the floor, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems.  
To be completed with R194 chrome plated connection pipe, Ø15 or Ø16 mm.  
Centre distance base 16: 35 mm.  
Centre distance base 18: 50 mm.  
Piping connection with base 16 or base 18 adaptors.
**R314N**

**PRODUCT CODE** | **SIZE**  
--- | ---  
R314NX002 | 1/2" x 16

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.

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**R314DN**

**PRODUCT CODE** | **SIZE**  
--- | ---  
R314DX033 | 1/2" x 16

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.

---

**R436M-1**

**PRODUCT CODE** | **SIZE**  
--- | ---  
R436MX033 | 1/2" x 18 (connect.pipe 16 mm)
R436MX036 | 1/2" x 18 (connect.pipe 15 mm)

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.

---

**Probes**

**R171C**

**PRODUCT CODE** | **SIZE**  
--- | ---  
R171CY001 | Ø11 - 450 mm
R171CY002 | Ø12 - 450 mm
R171CY003 | Ø14 - 450 mm

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

---

**R171F**

**PRODUCT CODE** | **SIZE**  
--- | ---  
R171FY002 | Ø12 - 450 mm
R171FY012 | Ø12 - 200 mm

Threaded copper probe for single-pipe and twin-pipe valves.
R171P

PRODUCT CODE | SIZE | ø11 - 450 mm |
-------------|-------|-------------|
R171PY001    |       | 1           |
R171PY002    |       | 1           |
R171PY003    |       | 1           |

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

SUMMARY TABLE FOR VALVE - PROBE COMBINATIONS

<table>
<thead>
<tr>
<th></th>
<th>R171C</th>
<th>R171P</th>
<th>R171F</th>
</tr>
</thead>
<tbody>
<tr>
<td>R440N</td>
<td>1/2”</td>
<td>(Ø12) R171CY002</td>
<td>(Ø12) R171PY002</td>
</tr>
<tr>
<td>R356B1</td>
<td>1/2”</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>R357B1</td>
<td>1/2”</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>R358B1</td>
<td>1/2”</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>R437N</td>
<td>1/2”</td>
<td>(Ø12) R171CY002</td>
<td>(Ø12) R171PY002</td>
</tr>
<tr>
<td>R356M1</td>
<td>1/2”</td>
<td>-</td>
<td>-</td>
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<tr>
<td>R357M1</td>
<td>1/2”</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>R358M1</td>
<td>1/2”</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

R194

PRODUCT CODE | SIZE | ø16 - 600 mm |
-------------|-------|-------------|
R194X002    |       | 1           |
R194X003    |       | 1           |
R194X004    |       | 1           |
R194X006    |       | 1           |

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

Valves for panel radiators

R385T

PRODUCT CODE | SIZE | ø1/4” x 3/4”Eurocone |
-------------|-------|----------------------|
R385TX013    |       | 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 | ø1/4” x 3/4”Eurocone |
-------------|-------|----------------------|
R386TX013    |       | 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 | ø3/4” x base 18 |
-------------|-------|-----------------|
R387LX001    |       | 1 50            |
R387LX011    |       | 1 50            |
R387LX002    |       | 1 50            |
R387LX012    |       | 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 adapters for 3/4”M or 1/2”F panel radiators. Center distance 50 mm. Piping connection with base 18 or 3/4”Eurocone adaptors.

R388L

PRODUCT CODE | SIZE | ø3/4” x base 18 |
-------------|-------|-----------------|
R388LX001    |       | 1 50            |
R388LX011    |       | 1 50            |
R388LX002    |       | 1 50            |
R388LX012    |       | 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 adapters for 3/4”M or 1/2”F panel radiators. Center distance 50 mm. Piping connection with base 18 or 3/4”Eurocone adaptors.
**R37**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>VALVES</th>
<th>LOCKSHIELD VALVES</th>
<th>DISCHARGE</th>
<th>BRANCH</th>
<th>INCLUDED ADAPTOR</th>
<th>OPTIONAL ADAPTOR</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3/4&quot;F x 18</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>straight valve</td>
<td>R483Y001</td>
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<tr>
<td>R387X012</td>
<td>1/2&quot;F x 3/4&quot;Eurocone</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y001</td>
<td>-</td>
</tr>
<tr>
<td>R387X022</td>
<td>3/4&quot;F x 3/4&quot;Eurocone</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y001</td>
<td>-</td>
</tr>
</tbody>
</table>

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

**R38**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>VALVES</th>
<th>LOCKSHIELD VALVES</th>
<th>DISCHARGE</th>
<th>BRANCH</th>
<th>INCLUDED ADAPTOR</th>
<th>OPTIONAL ADAPTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>R388X001</td>
<td>3/4&quot;F x 18</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>straight valve</td>
<td>R483Y001</td>
<td>-</td>
</tr>
<tr>
<td>R388X012</td>
<td>1/2&quot;M x 3/4&quot;Eurocone</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y003</td>
<td>-</td>
</tr>
<tr>
<td>R388X022</td>
<td>3/4&quot;F x 3/4&quot;Eurocone</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y001</td>
<td>-</td>
</tr>
</tbody>
</table>

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

**R383**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>VALVES</th>
<th>LOCKSHIELD VALVES</th>
<th>DISCHARGE</th>
<th>BRANCH</th>
<th>INCLUDED ADAPTOR</th>
<th>OPTIONAL ADAPTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>R383X011</td>
<td>1/2&quot;M x 18</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>angle valve</td>
<td>R483Y001</td>
<td>-</td>
</tr>
<tr>
<td>R383X001</td>
<td>3/4&quot;F x 18</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y001</td>
<td>-</td>
</tr>
<tr>
<td>R383X002</td>
<td>3/4&quot;F x 3/4&quot;Eurocone</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y001</td>
<td>-</td>
</tr>
</tbody>
</table>

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.

**R384**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>VALVES</th>
<th>LOCKSHIELD VALVES</th>
<th>DISCHARGE</th>
<th>BRANCH</th>
<th>INCLUDED ADAPTOR</th>
<th>OPTIONAL ADAPTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>R384X011</td>
<td>1/2&quot;M x 18</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>angle valve</td>
<td>R483Y001</td>
<td>-</td>
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<tr>
<td>R384X001</td>
<td>3/4&quot;F x 18</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y001</td>
<td>-</td>
</tr>
<tr>
<td>R384X002</td>
<td>3/4&quot;F x 3/4&quot;Eurocone</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y001</td>
<td>-</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th>VALVES</th>
<th>LOCKSHIELD VALVES</th>
<th>DISCHARGE</th>
<th>BRANCH</th>
<th>INCLUDED ADAPTOR</th>
<th>OPTIONAL ADAPTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>R483Y001</td>
<td>3/4&quot;Eurocone x 3/4&quot; flat seat</td>
<td>single twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y003</td>
<td>-</td>
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<tr>
<td>R483Y002</td>
<td>1/2&quot; x 3/4&quot;</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y003</td>
<td>-</td>
</tr>
<tr>
<td>R483Y003</td>
<td>1/2&quot; x 3/4&quot;Eurocone</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y003</td>
<td>-</td>
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<tr>
<td>R483Y011</td>
<td>Ø18</td>
<td>twin-entry</td>
<td>yes</td>
<td>yes</td>
<td>-</td>
<td>R483Y003</td>
<td>-</td>
</tr>
</tbody>
</table>


**INFO**

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

* for radiators with 1/" connection
**Accessories**

**R200**

- **PRODUCT CODE**: R200X001, 1" - right
- **SIZE**: 10
- **Price**: 100

- **PRODUCT CODE**: R200X002, 1" - left
- **SIZE**: 10
- **Price**: 100

- **PRODUCT CODE**: R200X003, 1 1/4" - right
- **SIZE**: 5
- **Price**: 50

- **PRODUCT CODE**: R200X004, 1 1/4" - left
- **SIZE**: 5
- **Price**: 50

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

**R66A**

- **PRODUCT CODE**: R66AX000, 1/8"
- **SIZE**: 50
- **Price**: 1.000

- **PRODUCT CODE**: R66AX001, 1/4"
- **SIZE**: 50
- **Price**: 1.000

- **PRODUCT CODE**: R66AX002, 3/8"
- **SIZE**: 50
- **Price**: 500

- **PRODUCT CODE**: R66AX003, 1/2"
- **SIZE**: 25
- **Price**: 250

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

**R90**

- **PRODUCT CODE**: R90X001, 1/4"
- **SIZE**: 100
- **Price**: 1.000

- **PRODUCT CODE**: R90X002, 3/8"
- **SIZE**: 250
- **Price**: 500

- **PRODUCT CODE**: R90X003, 1/2"
- **SIZE**: 200
- **Price**: 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**: R91X003, 1/2"
- **SIZE**: 250
- **Price**: 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**: R92Y001, 1/4"
  - **SIZE**: 150
  - **Price**: -

  - **PRODUCT CODE**: R92Y002, 3/8"
  - **SIZE**: 100
  - **Price**: -

  - **PRODUCT CODE**: R92Y003, 1/2"
  - **SIZE**: 250
  - **Price**: -

- **CHROME PLATED**
  - **PRODUCT CODE**: R92X001, 1/4"
  - **SIZE**: 150
  - **Price**: -

  - **PRODUCT CODE**: R92X002, 3/8"
  - **SIZE**: 100
  - **Price**: -

  - **PRODUCT CODE**: R92X003, 1/2"
  - **SIZE**: 250
  - **Price**: -

Radiator plug with self-sealing.

**R74**

- **PRODUCT CODE**: R74Y001
- **SIZE**: -
- **Price**: 150

Key for R90, R91.

**R700**

- **PRODUCT CODE**: R700Y001
- **SIZE**: -
- **Price**: 50

Draining device for R714 and R715 lockshields, brass finish.

**R573D**

- **PRODUCT CODE**: R573DY003, 1/2" x 18
- **SIZE**: 5
- **Price**: 50

- **PRODUCT CODE**: R573DY002, 1/2" x 16
- **SIZE**: 5
- **Price**: 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**: R542Y001, 16 x 16
- **SIZE**: 10
- **Price**: 40

- **PRODUCT CODE**: R542Y002, 18 x 18
- **SIZE**: 10
- **Price**: 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**: R541NX001, 1/2" x 16
- **SIZE**: 10
- **Price**: 100

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

**R543**

- **PRODUCT CODE**: R543Y002, 16 x 16
- **SIZE**: 1
- **Price**: 10

- **PRODUCT CODE**: R543Y003, 18 x 18
- **SIZE**: 1
- **Price**: 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” x 3/4” 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**
---|---
R455CY001 | - 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**
---|---
R455CY101 | - 1 -

Protection for R470H thermostatic heads.

**R455D**

**PRODUCT CODE** | **SIZE**
---|---
R455DY001 | - 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**
---|---
R455DY101 | - 1 -

Protection for R460H thermostatic heads.

**R454**

**PRODUCT CODE** | **SIZE**
---|---
R454Y001 | Ring for R462, R462L, R463 1 -
R454Y002 | Ring for R460, R468, R470 1 -
R454Y003 | Anti-tamper ring R460, R468, R470 1 -

Ring for thermostatic heads.

**R73C**

**PRODUCT CODE** | **SIZE**
---|---
R73CY004 | 4 mm -
R73CY014 | For R454Y003 1 -

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

**R73P**

**PRODUCT CODE** | **SIZE**
---|---
R73PY010 | - 1 -

Regulation key for PTG and DB series valves.

**R400**

**PRODUCT CODE** | **SIZE**
---|---
R400Y001 | - 1 25
R453Y001 | Ring for R400 1 100

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

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**
---|---
R79BY001 | 3/8"-11/4" 1 25

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

**P56T**

**PRODUCT CODE** | **SIZE**
---|---
P56TY001 | - 1 100

Key for the bonnet replacement of T439L kit.

**K375**

**PRODUCT CODE** | **SIZE**
---|---
K375Y021 | 1 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

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>P12AX011</td>
<td>3/8” - 1/2” - 3/4”</td>
<td>1</td>
</tr>
<tr>
<td>P12AX003</td>
<td>1”</td>
<td>1</td>
</tr>
<tr>
<td>P12AX004</td>
<td>1/2”</td>
<td>1</td>
</tr>
<tr>
<td>P12AX006</td>
<td>3/8” - 1/2” - 3/4”</td>
<td>1</td>
</tr>
</tbody>
</table>

Bonnet for thermostatic valves.

**INFO**
P12AX003: for R401, R402, R421, R422 valves, 1” size.
P12AX006: spare part kit (bonnet, numbered ring, regulation key, instruction) for P16 valves.

#### R450TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>R450X012</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>R450X016</td>
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<td>1</td>
</tr>
</tbody>
</table>

Micrometric handwheel for valves with thermostatic option.

#### T450C

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T450CX012</td>
<td>3/8” - 1/2”</td>
<td>10 100</td>
</tr>
</tbody>
</table>

Polish chrome plated handwheel for toweldryer valves with thermostatic option.

#### P26A

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P26AX004</td>
<td>3/4”</td>
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</tr>
<tr>
<td>P26AX005</td>
<td>1”</td>
<td>1</td>
</tr>
<tr>
<td>P26AX006</td>
<td>1 1/4”</td>
<td>1</td>
</tr>
</tbody>
</table>

Chrome plated brass cap for lockshield.

#### P26PD

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P26PY012</td>
<td>3/8”</td>
<td>1 50</td>
</tr>
<tr>
<td>P26PY013</td>
<td>1/2”</td>
<td>1 50</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</thead>
<tbody>
<tr>
<td>T26CX003</td>
<td>1/2”</td>
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</table>

Polish chrome brass cap for lockshield for toweldryer.

#### T22C

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>T22CX007</td>
<td>3/8” - 1/2”</td>
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</table>

Polish chrome plated handwheel for manual valves.

#### P22B-1

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>P22BY007</td>
<td>3/8” - 1/2”</td>
<td>1</td>
</tr>
<tr>
<td>P22BY008</td>
<td>3/4” - 1”</td>
<td>1</td>
</tr>
<tr>
<td>P22BY009</td>
<td>1 1/4”</td>
<td>1</td>
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</tbody>
</table>

Handwheel for manual valves.

#### P15TG

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>P15TGX002</td>
<td>3/8”</td>
<td>1</td>
</tr>
<tr>
<td>P15TGX003</td>
<td>1/2” x 3/8”</td>
<td>1</td>
</tr>
<tr>
<td>P15TGX004</td>
<td>1/2”</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
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<tr>
<td>P15Y003</td>
<td>1/2&quot;</td>
<td>1</td>
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<tr>
<td>P15Y004</td>
<td>3/4&quot;</td>
<td>1</td>
</tr>
<tr>
<td>P15Y005</td>
<td>1&quot;</td>
<td>1</td>
</tr>
<tr>
<td>P15Y006</td>
<td>1 1/4&quot;</td>
<td>1</td>
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</tbody>
</table>

Brass finish tail piece for valves and lockshields.

### P15-2

<table>
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<th>SIZE</th>
<th></th>
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<td>1</td>
</tr>
<tr>
<td>P15X003</td>
<td>1/2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>P15X004</td>
<td>3/4&quot;</td>
<td>1</td>
</tr>
<tr>
<td>P15X005</td>
<td>1&quot;</td>
<td>1</td>
</tr>
<tr>
<td>P15X006</td>
<td>1 1/4&quot;</td>
<td>1</td>
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</tbody>
</table>

Chrome plated tail piece for valves and lockshields.

*Info*

* For use with Giacotech valves series.

### P16-1

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>P16Y001</td>
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</table>

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

### P16-3

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>P16Y003</td>
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</table>

Plastic flow separator for R437, R437N and R44ON valves.

### P18L

#### Chrome Plated

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>SIZE</th>
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<tbody>
<tr>
<td>P18LX002</td>
<td>5/8&quot; x 3/8&quot;</td>
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#### Brass Finishing

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Brass nut, female thread.

### P18C

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Brass polish chrome plated nut.

### T18C

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Brass polish chrome plated nut.

* For use with Giacotech valves series.
### Technical and dimensional data

**MANUAL VALVES**

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

#### R5TG

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* Brass cap

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* Brass cap

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MICROMETRIC VALVES WITH THERMOSTATIC OPTION

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 56 17 26 82 42 30
R422FX004 3/4”x3/4” 89 59 22 32 93 42 38
R422X034 3/4”x3/4” 83 56 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”x3/4” 75 53 21 74 42 30

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

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

RADIATOR VALVES WITH THERMOSTATIC OPTION WITH DYNAMIC FLOW BALANCING

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

DIMENSIONS IN MM
**VALVES WITH THERMOSTATIC OPTION**

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**

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**R411TG-R411PTG**

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**R402TG-R402PTG**

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**R403TG**

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**R412TG-R412PTG**

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**R415TG-R415PTG**

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

**ADAPTOR CONNECTION**  
**IRON PIPE CONNECTION**

**DIMENSIONS WITH INSTALLED THERMOSTATIC HEAD**

<table>
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<td>81</td>
<td>74</td>
<td>23</td>
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**DIMENSIONS IN MM**

**R401X033** hexagonal connection for iron pipe
R401H

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R401HX003** 1/2” x 1/2”
  - I: 61
  - J: 59
  - L: 27
  - M: 76
  - W: 34
  - K: 30
- **R401HX004** 3/4” x 3/4”
  - I: 65
  - J: 66
  - L: 29
  - M: 85
  - W: 34
  - K: 37

R402H

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R402HX003** 1/2” x 1/2”
  - I: 53
  - J: 62
  - L: 17
  - M: 94
  - W: 34
  - K: 30
- **R402HX004** 3/4” x 3/4”
  - I: 62
  - J: 70
  - L: 22
  - M: 108
  - W: 34
  - K: 37

R403H

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R403HX023** 1/2” x 1/2” (sx)
  - I: 76
  - J: 59
  - L: 58
  - M: 19
  - W: 34
  - K: 30
- **R403HX033** 1/2” x 1/2” (dx)
  - I: 76
  - J: 59
  - L: 58
  - M: 19
  - W: 34
  - K: 30

R415H

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R415HX003** 1/2” x 1/2”
  - I: 89
  - J: 47
  - L: 53
  - M: 36
  - W: 34
  - K: 30

**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

**DIMENSIONS IN MM**
- **R440NX032** 1/2” x 16
  - I: 35
  - J: 47
  - L: 30
  - C: 133
  - M: 56
  - W: 42
  - K: 30

R356B1

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R356BX062** 1/2” x 18
  - I: 50
  - J: 43
  - L: 35
  - C: 116
  - D: 22
  - M: 103
  - W: 42
  - K: 30

R357B1

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R357BX062** 1/2” x 18
  - I: 50
  - J: 35
  - L: 123
  - C: 22
  - D: 68
  - M: 42
  - W: 30

R358B1

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R358BX062** 1/2” x 18
  - I: 50
  - J: 35
  - L: 123
  - C: 22
  - D: 68
  - M: 42
  - W: 30

R438M

**PRODUCT CODE**
- GXB

**DIMENSIONS IN MM**
- **R438MX033** 1/2” x 18
  - I: 50
  - J: 23
  - L: 62
  - C: 47
  - S: 30
  - M: 42
  - K: 27
  - W: 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

**R437N**

**R436M-1**

**R356M1**

**R357M1**

**R358M1**

**R200**

**R385T**

**R386T-T386T**