

## Chapter 1

# RADIATOR SYSTEM PRODUCTS

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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.

- 16 Manual Radiator Valves
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Energy Management



Radiant Systems



Water Management



Gas Distribution



Renewable Sources



Hydrogen Systems



Fire Protection

## Manual Radiator Valves

### R5TG

PRODUCT CODE	SIZE	□	⊞
R5X032	3/8"	1	50
R5X033	1/2"	1	50
R5X034	3/4" *	5	50
R5X035	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	□	⊞
R6X032	3/8"	1	50
R6X033	1/2"	1	50
R6X034	3/4" *	5	50
R6X035	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	□	⊞
R25X032	3/8" x 16	1	50
R25X033	1/2" x 16	1	50
R25X034	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	□	⊞
R27X032	3/8" x 16	1	50
R27X033	1/2" x 16	1	50
R27X034	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	□	⊞
R705X013	1/2"	10	100
R705X023	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	□	⊞
R706X013	1/2"	5	50

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



## Thermostatic Radiator Valves

### R421TG

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

\* Tail piece without self-sealing

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



### 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.



### R422TG

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

\* Tail piece without self-sealing

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



### 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.



## R435TG

### IRON PIPE CONNECTION

PRODUCT CODE	SIZE		
<b>R435X053</b>	1/2" *	1	50

### ADAPTOR CONNECTION

PRODUCT CODE	SIZE		
<b>R435X062</b>	1/2" x 16	1	50
<b>R435X043</b>	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



## R401TG

PRODUCT CODE	SIZE		
<b>R401X132</b>	3/8" **	1	50
<b>R401X133</b>	1/2" **	1	50
<b>R401X034</b>	3/4" *	5	50
<b>R401X035</b>	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		
<b>R402X132</b>	3/8" **	1	50
<b>R402X133</b>	1/2" **	1	50
<b>R402X034</b>	3/4" *	5	50
<b>R402X035</b>	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		
<b>R411X032</b>	3/8" x 16	1	50
<b>R411X033</b>	1/2" x 16	1	50
<b>R411X034</b>	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		
<b>R412X032</b>	3/8" x 16	1	50
<b>R412X033</b>	1/2" x 16	1	50
<b>R412X034</b>	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		
<b>R415X033</b>	1/2" *	1	50

### ADAPTOR CONNECTION

PRODUCT CODE	SIZE		
<b>R415X042</b>	1/2" x 16	1	50
<b>R415X043</b>	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		
<b>R403X062</b>	3/8" - right	1	50
<b>R403X052</b>	3/8" - left	1	50
<b>R403X064</b>	1/2" - right	1	50
<b>R403X054</b>	1/2" - left	1	50

### ADAPTOR CONNECTION

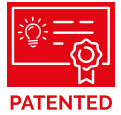
PRODUCT CODE	SIZE		
<b>R403X034</b>	1/2" x 18 - right	1	50
<b>R403X024</b>	1/2" x 18 - left	1	50

Micrometric double angle valve with thermostatic option, chrome plated, iron pipe 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.



# Thermostatic Radiator Valves with dynamic balancing



## Comfort at every level.

DB thermostatic radiator valve with dynamic balancing.

### R401DB

PRODUCT CODE	SIZE		
R401DBX032	3/8"	1	50
R401DBX033	1/2"	1	50
R401DBX004	3/4"	1	30

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 the regulation key R73PY010.



### R411DB

PRODUCT CODE	SIZE		
R411DBX033	1/2" x 16	1	50

Angle valve with thermostatic option with dynamic flow balancing, 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 the regulation key R73PY010.



### R402DB

PRODUCT CODE	SIZE		
R402DBX032	3/8"	1	50
R402DBX033	1/2"	1	50
R402DBX004	3/4"	1	30

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 the regulation key R73PY010.



### R412DB

PRODUCT CODE	SIZE		
R412DBX033	1/2" x 16	1	50

Straight valve with thermostatic option with dynamic flow balancing, 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 the regulation key R73PY010.



## R415DB

### IRON PIPE CONNECTION

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

### ADAPTOR CONNECTION

PRODUCT CODE	SIZE		
<b>R415DBX042</b>	1/2" x 16	1	50

Reverse angle valve with thermostatic option with dynamic flow balancing, 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 adaptors.

#### INFO

For adjustment use the regulation key R73PY010.



## R400DB

PRODUCT CODE	SIZE		
<b>R400DBX001</b>	-	1	-

DB bonnet replacement kit, to replace the bonnet of the DB series thermostatic valves, without emptying the system. Suitable for replacing P12ADBX001, P12ADBX002, P12HDBX001, P12HDBX001 bonnets.

Supplied in a practical case complete with instructions and adaptors for spare bonnets.



**VIDEO**  
Frame the QR-Code with your smartphone or tablet to view the video tutorial.

## P12ADB

PRODUCT CODE	SIZE		
<b>P12ADBX001</b>	3/8" - 1/2" (LF)	1	50
<b>P12ADBX002</b>	3/8" - 1/2" (HF)	1	50

Bonnet for DB series thermostatic valves, equipped with R73PY010 regulation key.

#### INFO

- P12ADBX002: High Flow version (HF);  
Clip Clap connection; black color membrane.

P12ADB bonnets for DB series thermostatic valves and dynamic balancing manifolds are not compatible with other Giacomini valves and manifolds.



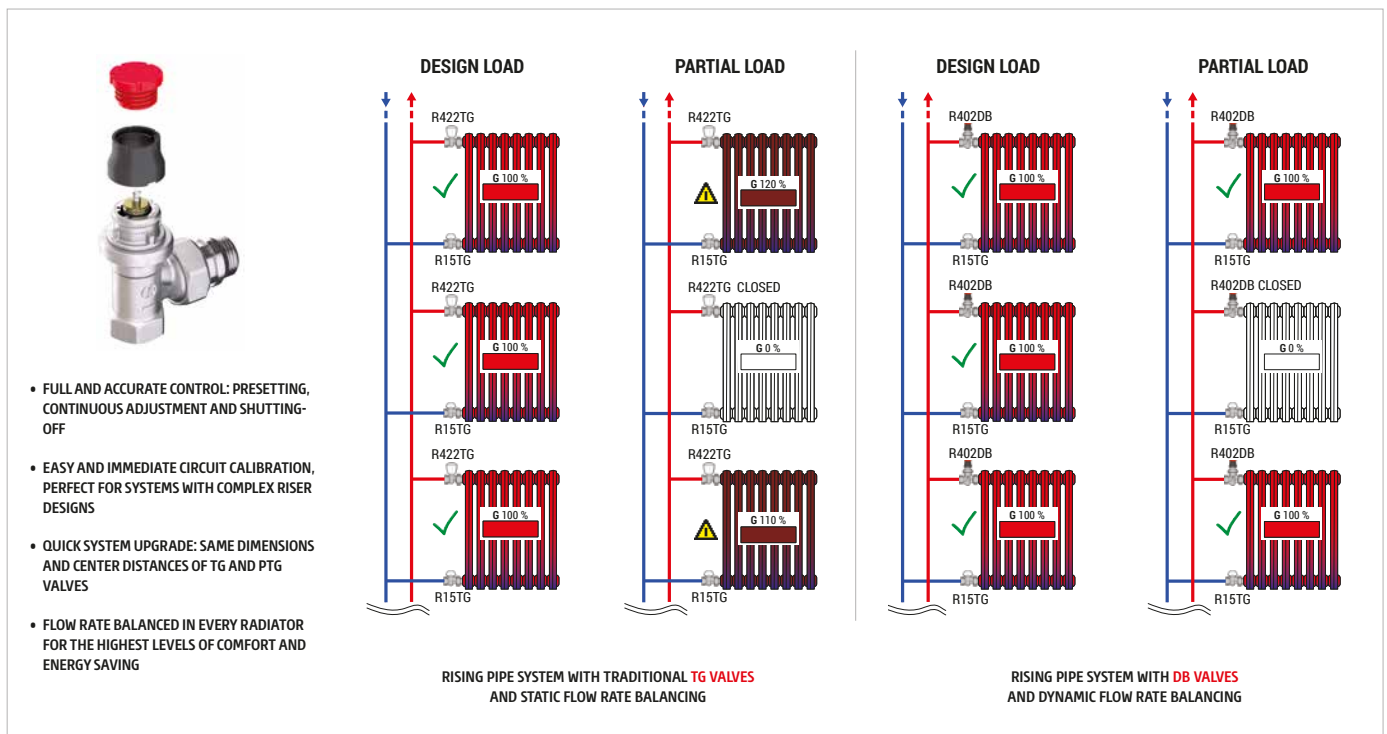
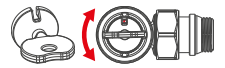
## R73P

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

Regulation key for PTG and DB series valves and manifolds.



**PATENTED** Automatic Flow Rate Balancing.  
The integrated cartridge controls and limits the flow rate to preset values while balancing every radiator of the system.





# Thermostatic Radiator Valves with presetting

## 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 R73PY010.



## 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 R73PY010.



## 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 R73PY010.



## 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



## 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 R73PY010.



## R73P

PRODUCT CODE	SIZE	□	⊞
R73PY010	-	1	-

Regulation key for PTG and DB series valves and manifolds.



## 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 R73PY010.



## Thermostatic Radiator Valves with M30 x 1,5 mm connections

### 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.



### 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.



### 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.



### 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.



## 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.



### 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.



### 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.



### 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>R29EX037</b>	1/2" x 3/4" Eurocone	1	50

Angle lockshield, chrome plated, adaptor connection and self-sealing tail pieces. Plastic cap. Piping connection with base 16, base 18 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>R31EX037</b>	1/2" x 3/4" Eurocone	1	50

Straight lockshield, chrome plated, adaptor connection and self-sealing tail pieces. Plastic cap. Piping connection with base 16, base 18 or 3/4" Eurocone adaptors.




## 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.




## 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.



## 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

## 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 "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.



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 "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.



CERTIFICATIONS AND SYMBOLS



## 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÷30 °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



## 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.



## 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÷30 °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



## 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÷30 °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



## 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÷30 °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



## 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.



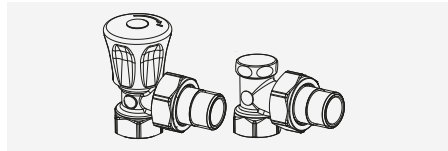
# Radiator System Kits

## R705K

PRODUCT CODE	SIZE	☐	📦
<b>R705KX003</b>	1/2"	1	25
<b>R705KX033</b>	1/2"	1	25
<b>R705KX053</b>	1/2" x 16	1	20
<b>R705KX113</b>	1/2" x 16	1	20

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

### R705KX003



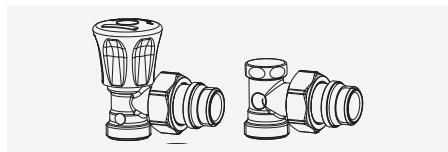
1/2" iron pipe connection

### R705KX033



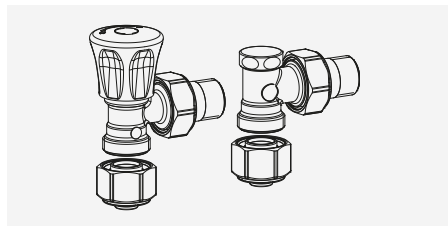
1/2" iron pipe connection with self-sealing

### R705KX053



1/2" adaptor connection with self-sealing

### R705KX113



1/2" adaptor connection  
R179MX014 16x(16x2) adaptor included

## 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.



## 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.

### R470AX002 - R470AX003



### R470AX012 - R470AX013



### R470AX023



### INFO

R470AX002, R470AX003: R470 + R411TG + R29TG.  
R470AX012, R470AX013: R470 + R412TG + R31TG.  
R470AX023: R470 + R415TG + R29TG.  
Adaptor connection, to complete with R178, R179 or R179AM.

## 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.

### R470FX002 - R470FX003



### R470FX012 - R470FX013



### R470FX023



### INFO

R470FX002, R470FX003: R470 + R401TG + R14TG.  
R470FX012, R470FX013: R470 + R402TG + R15TG.  
R470FX023: R470 + R415TG + R14TG.

## Valves for panels radiators

### R387L

PRODUCT CODE	SIZE	□	⊞
<b>R387LX001</b>	B.18 x 3/4"F	1	50
<b>R387LX011</b>	B.18 x 1/2"M	1	50
<b>R387LX002</b>	3/4"E x 3/4"F	1	50
<b>R387LX012</b>	3/4"E x 1/2"M	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.

R387LX001-X002



R387LX011-X012



### R388L

PRODUCT CODE	SIZE	□	⊞
<b>R388LX001</b>	B.18 x 3/4"F	1	50
<b>R388LX011</b>	B.18 x 1/2"M	1	50
<b>R388LX002</b>	3/4"E x 3/4"F	1	50
<b>R388LX012</b>	3/4"E x 1/2"M	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.

R388LX001-X002



R388LX011-X012



### R385T

PRODUCT CODE	SIZE	□	⊞
<b>R385TX013</b>	3/4"E x G 3/4"F + adaptors	1	25

Twin-pipe straight valve with thermostatic option for radiator panels and toweldryers. Thermostatic head installation from the right or from the left. Flat seat connections with gaskets, equipped with self-sealing adaptors. Piping connection with 3/4" Eurocone adaptors.



### R386T

PRODUCT CODE	SIZE	□	⊞
<b>R386TX013</b>	3/4"E x G 3/4"F + adaptors	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.



### R387

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



### R388

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



### R383

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



### R384

PRODUCT CODE	SIZE	□	⊞
<b>R384X011</b>	B.18 x 1/2"M	5	25
<b>R384X001</b>	B.18 x 3/4"F	5	25
<b>R384X002</b>	3/4"E x 3/4"F	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"E x 3/4" flat seat	50	1.000
<b>R483Y002</b>	1/2" x 3/4"	50	500
<b>R483Y023</b>	1/2" x 3/4" Eurocone	50	200
<b>R483Y011</b>	Ø18	50	1.000

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

#### INFO

R483Y001, R483Y023: for R383, R384, R387, R388.  
R483Y011, R483Y002: for R387L, R388L.



R483Y011

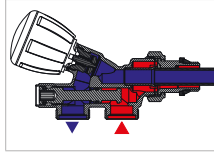


## Valves for twin-pipe system

### R440N

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

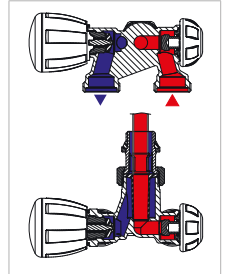
Compact micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 35 mm. Piping connection with base 16 adaptors.



### R358B1

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

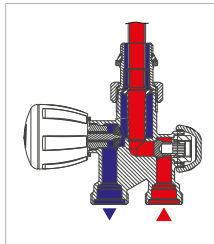
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the left. 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

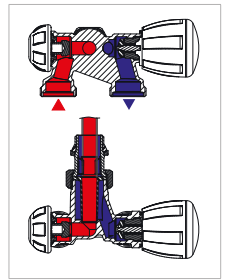
Straight micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the floor. To be completed with R171FY002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



### R357B1

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

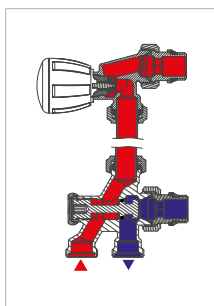
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the right.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



### 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

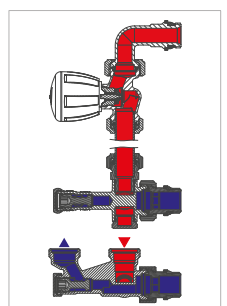
Angle valve and lockshield group with thermostatic option and connections from the floor, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For twin-pipe systems. To be completed with R194 chrome plated connection pipe, Ø15 or Ø16 mm. Centre distance base 16: 35 mm.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



### 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.



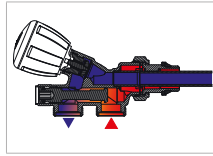


## Valves for single-pipe system

### R437N

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

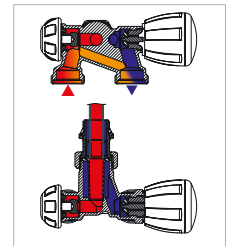
Compact micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 35 mm. Piping connection with base 16 adaptors.



### R357M1

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

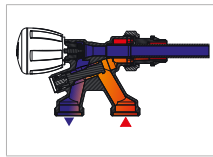
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the right.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



### R437

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

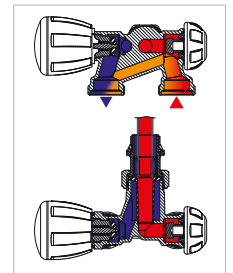
Micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied with R171P plastic probe, Ø 12 mm, length 450 mm. Centre distance: 50 mm. Piping connection with base 18 adaptors.



### R358M1

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

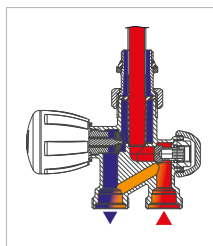
Angle micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the wall with handwheel on the left.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



### R356M1

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

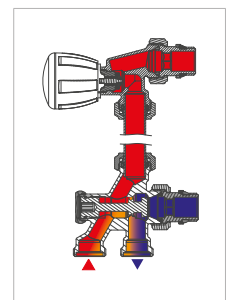
Straight micrometric valve with thermostatic option, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems. Supplied without injection probe. Radiator connection from below and connection to the system pipes from the floor. To be completed with 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.



### R436

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

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

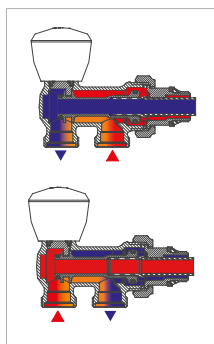




## R314N

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

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



## R314DN

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

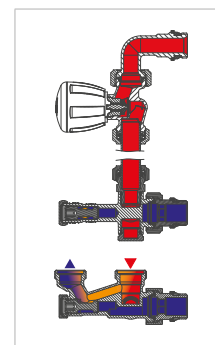
Manual valve and lockshield group, chrome plated brass, with connection for copper, plastic or multilayer pipe adaptors. For single-pipe systems.  
To be completed with chrome plated connection pipe, Ø15 mm.  
Centre distance: 35 mm.  
Piping connection with base 16 adaptors.



## 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.



## 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.



### R171P

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

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



### 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.



### R194

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

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



## Polish chrome plated valves

### 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.



### 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÷30 °C.

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

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



### 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.



### 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.



## 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.



## 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.



## 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.



## 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"E 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.



## 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.



## 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.



## T15TG

PRODUCT CODE	SIZE		
<b>T15TG004</b>	1/2"	1	25

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



## ➤ Accessories for radiator system

### 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.

#### ① 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.

#### ① INFO

Use the R74 key to open the valve.



### 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.



### 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.



### 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.



### 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.



### R541N

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

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



## 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.



## R173P

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

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



## 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"E x 3/4"E	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 chronothermostats	50	250

Adaptor for thermostatic heads or chronothermostats for radiators, to switch from Giacomini Clip Clap connection to M30 x 1,5 mm connection.

### INFO

Not suitable for installation on DB series valves.



## 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.



## R454D

PRODUCT CODE	SIZE		
<b>R454DY001</b>	-	1	-

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



## 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.



## 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  
Frame the QR-Code with your smartphone or tablet to view the video tutorial.

## 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.

## R831

PRODUCT CODE	SIZE		
<b>R831Y001</b>	1 l - For new systems	1	8
<b>R831Y002</b>	1 l - For existing systems	1	8

Protective and anti-corrosion liquid for new and existing systems.



## K375

PRODUCT CODE	SIZE		
<b>K375Y021</b>	1 l	1	18



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 toweldryer.

### 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		
<b>P15Y002</b>	3/8"	1	-
<b>P15Y003</b>	1/2"	1	-
<b>P15Y004</b>	3/4"	1	-
<b>P15Y005</b>	1"	1	-
<b>P15Y006</b>	1 1/4"	1	-



Brass finish tail piece for valves and lockshields.

## P15-2

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





Chrome plated tail piece for valves and lockshields.

### INFO

\* For use with Giacotech valves series.



## P18L

### CHROME PLATED

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



### BRASS FINISHING

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

Brass nut, female thread.



## T18C

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



Brass polish chrome plated nut.



## P16-1

PRODUCT CODE	SIZE		
<b>P16Y001</b>	-	1	-



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

## P16-3

PRODUCT CODE	SIZE		
<b>P16Y003</b>	-	1	-



Plastic flow separator for R437, R437N and R440N valves.

# Technical and dimensional data

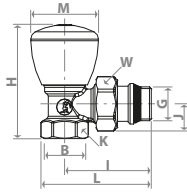
## MANUAL RADIATOR VALVES AND LOCKSHIELDS

DIMENSIONS MM

Fluids: water and glycol-based solutions (max. 30 %)  
 Temperature range: 5÷110 °C  
 Max operating pressure: 16 bar

### R5TG

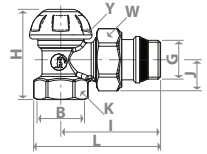
PRODUCT CODE	GxB	H	I	J	K	L	M	W
<b>R5X032</b>	3/8"x3/8"	65	50	19	22	71	42	27
<b>R5X033</b>	1/2"x1/2"	70	53	21	26	74	42	30
<b>R5X034</b>	3/4"x3/4"	79	60	23	32	84	49	38
<b>R5X035</b>	1"x1"	87	68	30	39	92	49	46



### R14TG

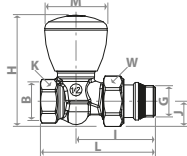
PRODUCT CODE	GxB	H	I	J	K	L	Y	W
<b>R14X032</b>	3/8"x3/8"	43	50	19	22	66	-	27
<b>R14X033</b>	1/2"x1/2"	47	53	21	26	70	-	30
<b>R14X034*</b>	3/4"x3/4"	54	60	23	32	79	35	38
<b>R14X035*</b>	1"x1"	72	68	30	39	90	40	46
<b>R14X036*</b>	1 1/4"x1 1/4"	80	80	34	49	108	45	53

\* Brass cap



### R6TG

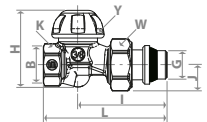
PRODUCT CODE	GxB	H	I	J	K	L	M	W
<b>R6X032</b>	3/8"x3/8"	69	56	15	22	77	42	27
<b>R6X033</b>	1/2"x1/2"	73	60	17	26	84	42	30
<b>R6X034</b>	3/4"x3/4"	86	55	21	32	81	49	38
<b>R6X035</b>	1"x1"	93	69	26	39	106	49	46



### R15TG

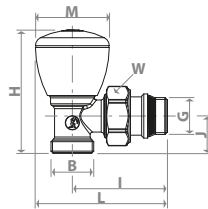
PRODUCT CODE	GxB	H	I	J	K	L	Y	W
<b>R15X032</b>	3/8"x3/8"	47	56	15	22	76	-	27
<b>R15X033</b>	1/2"x1/2"	51	60	17	26	83	-	30
<b>R15X034*</b>	3/4"x3/4"	62	55	21	32	81	35	38
<b>R15X035*</b>	1"x1"	78	69	26	39	106	40	46
<b>R15X036*</b>	1 1/4"x1 1/4"	86	78	30	49	119	45	53

\* Brass cap



### R25TG

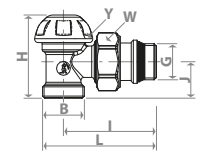
PRODUCT CODE	GxB	H	I	J	L	Y	W
<b>R25X032</b>	3/8"x16	69	53	21	74	42	30
<b>R25X033</b>	1/2"x16	69	53	21	74	42	30
<b>R25X034</b>	1/2"x18	73	54	24	75	42	30
<b>R25X033</b>	3/4"x18	79	60	24	84	49	38
<b>R25X036</b>	3/4" x 22	79	60	24	84	49	38



### R29TG

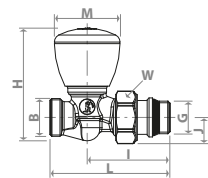
PRODUCT CODE	GxB	H	I	J	L	Y	W
<b>R29X032</b>	3/8"x16	47	53	21	70	-	30
<b>R29X033</b>	1/2"x16	47	53	21	70	-	30
<b>R29X034</b>	1/2"x18	50	54	24	71	-	30
<b>R29X035*</b>	3/4"x18	54	60	24	79	35	38
<b>R29X036*</b>	3/4"x22	61	60	31	79	35	38

\* Brass cap



### R27TG

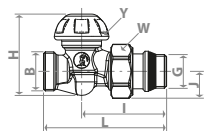
PRODUCT CODE	GxB	H	I	J	L	Y	W
<b>R27X032</b>	3/8"x16	73	52	17	75	42	30
<b>R27X033</b>	1/2"x16	73	52	17	76	42	30
<b>R27X034</b>	1/2"x18	73	52	17	77	42	30
<b>R27X033</b>	3/4"x18	87	55	21	81	49	38
<b>R27X036</b>	3/4" x 22	87	55	21	91	49	38



### R31TG

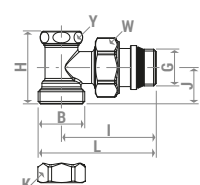
PRODUCT CODE	GxB	H	I	J	L	Y	W
<b>R31X032</b>	3/8"x16	51	52	17	75	-	30
<b>R31X033</b>	1/2"x16	51	52	17	76	-	30
<b>R31X034</b>	1/2"x18	51	52	17	77	-	30
<b>R31X035*</b>	3/4"x18	62	54	21	80	35	38
<b>R31X036*</b>	3/4"x22	62	54	21	84	35	38

\* Brass cap



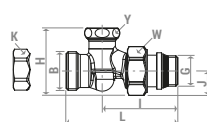
### R16TG

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



## THERMOSTATIC RADIATOR VALVES

Fluids: water and glycol-based solutions (max. 30%)

Temperature range: 5÷110 °C

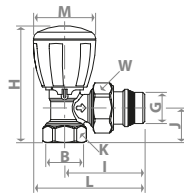
Max operating pressure for manual applications: 16 bar

Max operating pressure in association with thermostatic head: 10 bar

DIMENSIONS MM

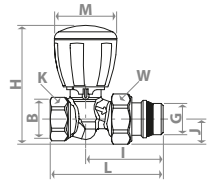
### R421TG

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



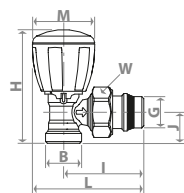
### R422TG

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



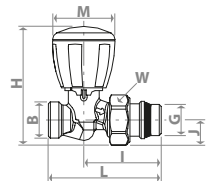
### R431TG

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



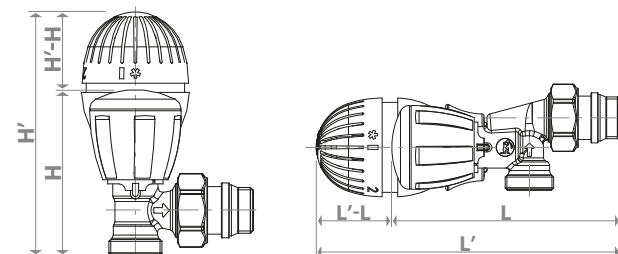
### R432TG

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



#### DIMENSIONS WITH INSTALLED THERMOSTATIC HEAD

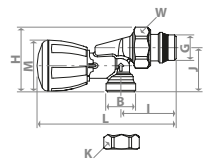
PRODUCT CODE	R460X001	R470X001	R468CX001	R468X001
<b>H'-H</b>	53	35	63	52
<b>LI-L for R435TG</b>	53	35	63	52



### R435TG

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

\* R435X033 hexagonal connection for iron pipe



## THERMOSTATIC RADIATOR VALVES WITH DYNAMIC BALANCING

DIMENSIONS MM

Fluids: water and glycol-based solutions (max. 30%)

Temperature range: 5÷95 °C

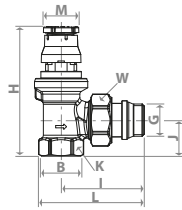
Max. working pressure for manual applications: 16 bar

Max. working pressure in association with thermostatic heads: 10 bar

### R401DB

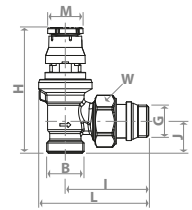
PRODUCT CODE	GxB	H	I	J	K	L	M	W
<b>R401DBX032</b>	3/8" x 3/8"	79	51	20	22	68	23	27
<b>R401DBX033</b>	1/2" x 1/2"	83	53	23	26	71	23	30
<b>R401DBX004</b>	3/4" x 3/4" *	86	60	25	32	78	23	38

\* Tail piece without self-sealing



### R411DB

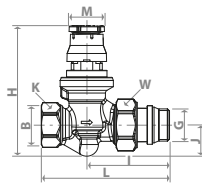
PRODUCT CODE	GxB	H	I	J	K	L	M	W
<b>R411DBX033</b>	1/2" x 16	80	53	21	-	71	23	30



### R402DB

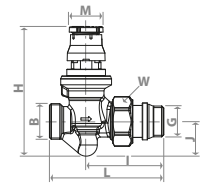
PRODUCT CODE	GxB	H	I	J	K	L	Y	W
<b>R402DBX032</b>	3/8" x 3/8"	83	54	16	22	76	23	27
<b>R402DBX033</b>	1/2" x 1/2"	84	53	20	26	82	23	30
<b>R402DBX004</b>	3/4" x 3/4" *	87	56	21	32	81	23	38

\* Tail piece without self-sealing



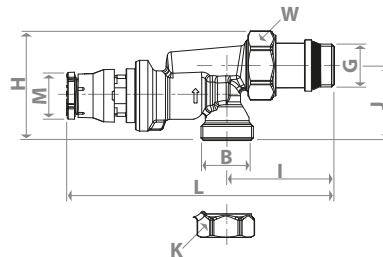
### R412DB

PRODUCT CODE	GxB	H	I	J	K	L	Y	W
<b>R412DBX033</b>	1/2" x 16	87	52	23	-	77	23	30



### R415DB

PRODUCT CODE	GxB	H	I	J	K	L	M	W
<b>R415DBX033</b>	1/2" x 1/2"	53	53	36	25	129	23	30
<b>R415DBX042</b>	1/2" x 16	53	45	36	-	122	23	30



## THERMOSTATIC RADIATOR VALVES

DIMENSIONS MM

Fluids: water and glycol-based solutions (max. 30%)

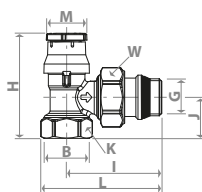
Temperature range: 5÷110 °C

Max operating pressure for manual applications: 16 bar

Max operating pressure in association with thermostatic head: 10 bar

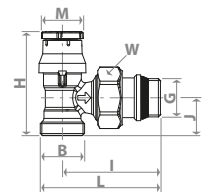
### R401TG-R401PTG

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



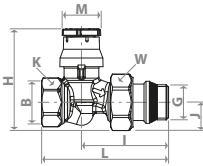
### R411TG-R411PTG

PRODUCT CODE	GxB	H	I	J	L	M	W
<b>R411X032</b>	3/8" x 16	56	53	21	66	23	30
<b>R411X033</b>	1/2" x 16	56	53	21	66	23	30
<b>R411X034</b>	1/2" x 18	56	53	21	66	23	30
<b>R411PX232</b>	3/8" x 16	57	53	21	66	23	30
<b>R411PX233</b>	1/2" x 16	57	53	21	66	23	30



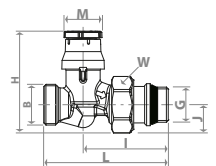
## R402TG-R402PTG

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



## R412TG-R412PTG

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

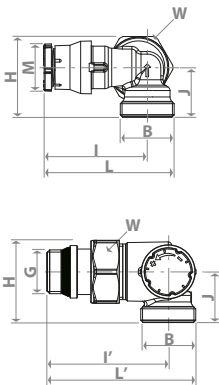


## R403TG

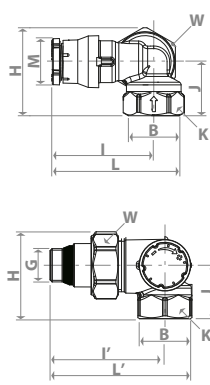
PRODUCT CODE	GxB	H	I	I'	J	L	L'	M	W	K
<b>R403X052</b>	3/8"x3/8" sx	43	50	57	27	65	71	23	30	27
<b>R403X062</b>	3/8"x3/8" dx	43	50	57	27	65	71	23	30	27
<b>R403X054</b>	1/2"x1/2" sx	43	50	57	27	65	71	23	30	27
<b>R403X064</b>	1/2"x1/2" dx	43	50	57	27	65	71	23	30	27
<b>R403X024</b>	1/2"x18 sx	41	50	58	24	63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

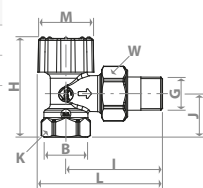


IRON PIPE CONNECTION



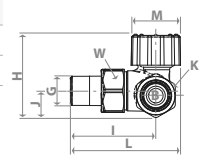
## R401H

PRODUCT CODE	GxB	H	I	J	L	M	W	K
<b>R401HX003</b>	1/2"x1/2"	61	59	27	76	34	30	27
<b>R401HX004</b>	3/4"x3/4"	65	66	29	85	34	37	32



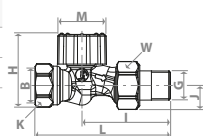
## R403H

PRODUCT CODE	GxB	L	I	H	J	M	W	K
<b>R403HX023</b>	1/2"x1/2" (sx)	76	59	58	19	34	30	27
<b>R403HX033</b>	1/2"x1/2" (dx)	76	59	58	19	34	30	27



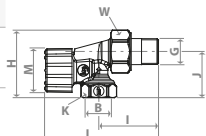
## R402H

PRODUCT CODE	GxB	H	I	J	L	M	W	K
<b>R402HX003</b>	1/2"x1/2"	53	62	17	94	34	30	27
<b>R402HX004</b>	3/4"x3/4"	62	70	22	108	34	37	32



## R415H

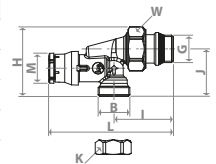
PRODUCT CODE	GxB	L	I	H	J	M	W	K
<b>R415HX003</b>	1/2"x1/2"	89	47	53	36	34	30	25



## R415TG-R415PTG

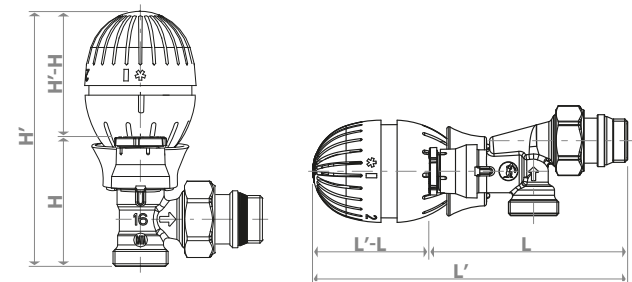
PRODUCT CODE	GxB	H	I	J	K	L	M	W
<b>R415X033</b>	1/2"x1/2"*	53	53	36	25	106	23	30
<b>R415X042</b>	1/2"x16	53	45	36	-	94	23	30
<b>R415X043</b>	1/2"x18	53	45	37	-	94	23	30
<b>R415PX242</b>	1/2"x16	53	45	36	-	95	23	30

\* R415X033 hexagonal connection for iron pipe



DIMENSIONS WITH INSTALLED THERMOSTATIC HEAD

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





## VALVES FOR TWIN-PIPE SYSTEM

DIMENSIONS MM

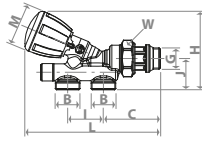
Temperature range: 5÷110 °C

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

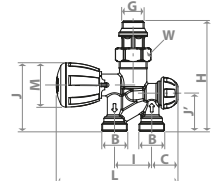
### R440N

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



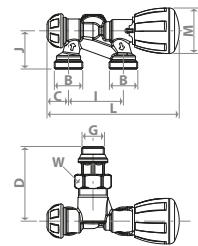
### R356B1

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



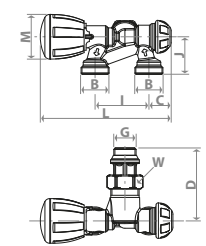
### R357B1

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



### R358B1

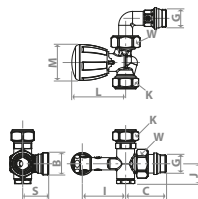
PRODUCT CODE	GxB	I	J	L	C	D	M	W
<b>R358BX062</b>	1/2"x18	50	35	123	22	68	42	30



### 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



## VALVES FOR SINGLE-PIPE SYSTEM

DIMENSIONS MM

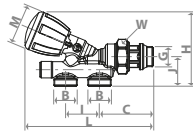
Temperature range: 5÷110 °C

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

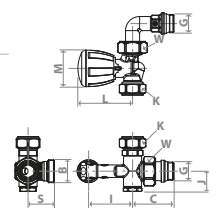
PRODUCT CODE	GxB	I	H	J	L	C	M	W
<b>R437NX031</b>	1/2"x16	35	47	30	133	56	42	30



### R436M-1

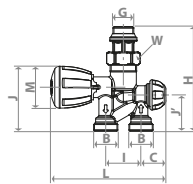
PRODUCT CODE	GxB	I	J	L	C	S	M	K	W
<b>R436MX033</b>	1/2"x18	50	23	62	47	30	42	27	30

The R194 Ø16 tube must be purchased separately



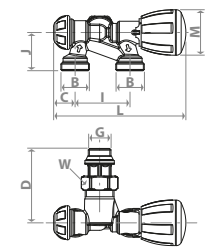
### R356M1

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



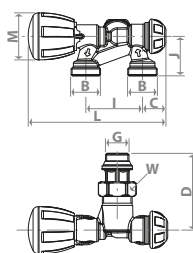
### R357M1

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

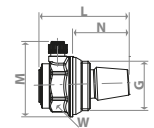
PRODUCT CODE	GxB	I	J	L	C	D	M	W
<b>T358MX011</b>	1/2"x16	35	35	124	31	68	42	30
<b>R358MX062</b>	1/2"x18	50	35	123	22	68	42	30



### R200

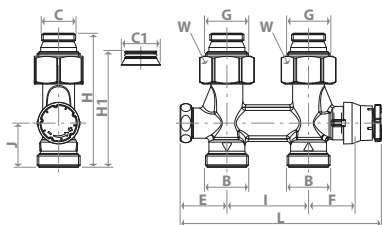
PRODUCT CODE	GxB	L	M	N	W
<b>R200X001</b>	1"dx	60	50	37	31
<b>R200X002</b>	1"sx	60	50	37	31
<b>R200X003</b>	1 1/4"dx	60	62	35	31
<b>R200X004</b>	1 1/4"sx	60	62	35	31

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



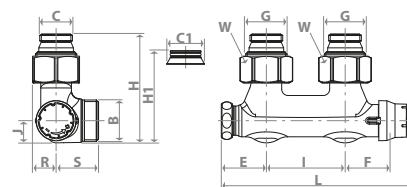
### R385T

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	-