

BOILER ROOM COMPONENTS

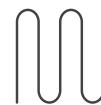
Modern buildings have to guarantee operating continuity, easy maintenance, and low management costs; that's why even heating systems have to offer optimum safety and reliability, and fully meet the legislative and prescriptive regulations.

To satisfy these needs beginning right in the heart of the system, the boiler room, we have a complete range of components for ensuring excellent control and energy efficiency.

168	Balancing valves
172	Distribution mixing groups
174	Zone and mixing valves
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192	Automatic air vent valves
193	Accessories for circulators
194	Oil system components
196	Solar thermal systems components



Energy Management



Radiant Systems



Water Management



Gas Distribution



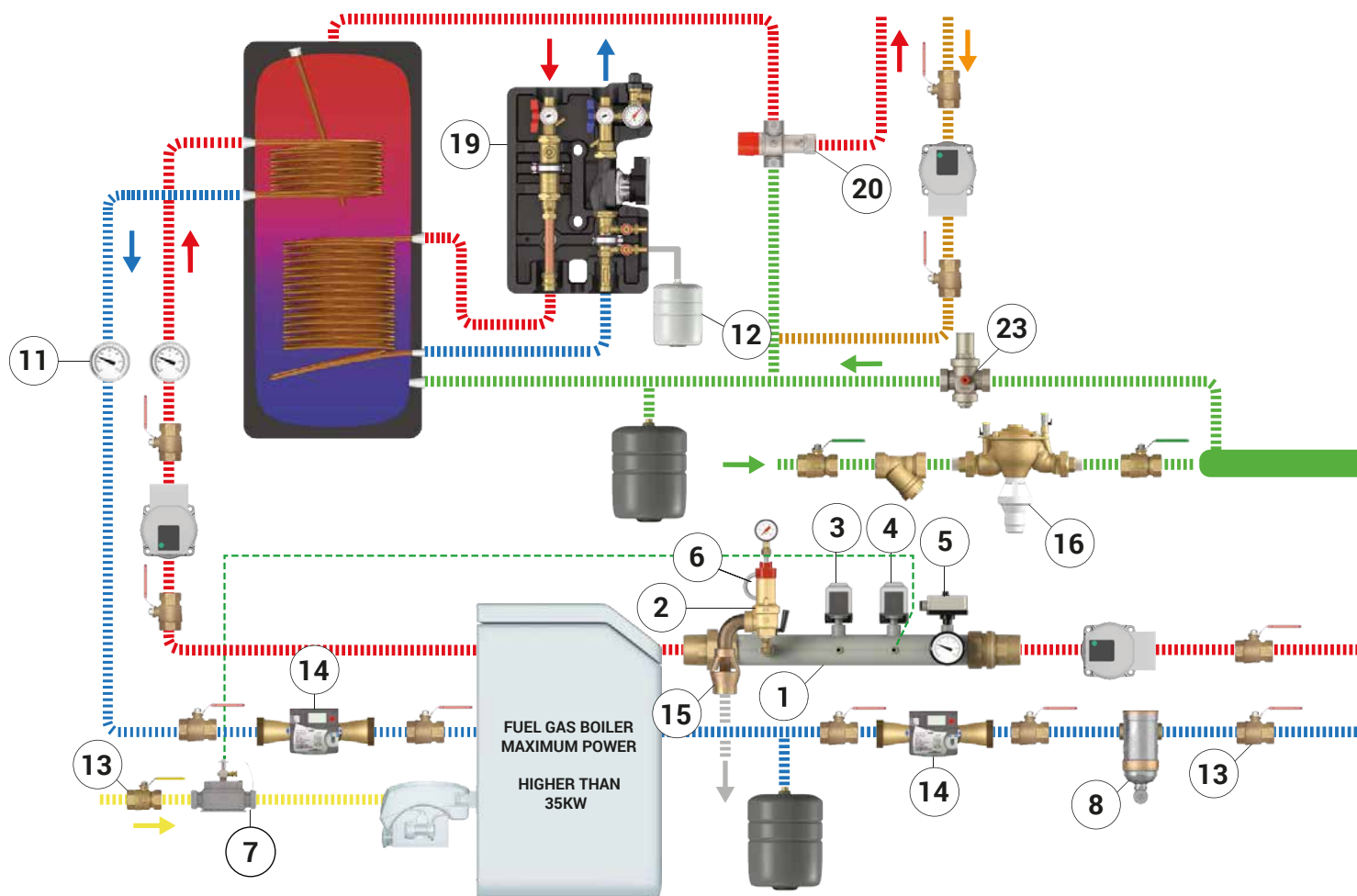
Renewable Sources



Hydrogen Systems



Fire Protection



1 R555 INAIL
threaded or flanged
manifold



2 R140D INAIL
safety valve



3 K374 INAIL
pressure switches



4 K374 INAIL
pressure switches



7 N143 INAIL
fuel shut-off valve



8 R146D/R146M/R146C
dirt separator



9 R146I
deaerator group



10 R150M
automatic filling unit



13 R950/R910
ball valve



14 GE552-1
meters
for thermal heating



15 R141
relief funnel



16 R626
backflow preventer



19 R586S
circulation unit
for solar thermal systems



20 R156/R156-2
thermostatic mixer



21 R74A/R74M
Y-filter



22 R60
disk check valve



25 R206C
differential pressure
control valve



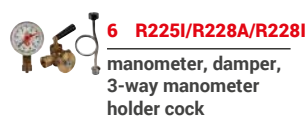
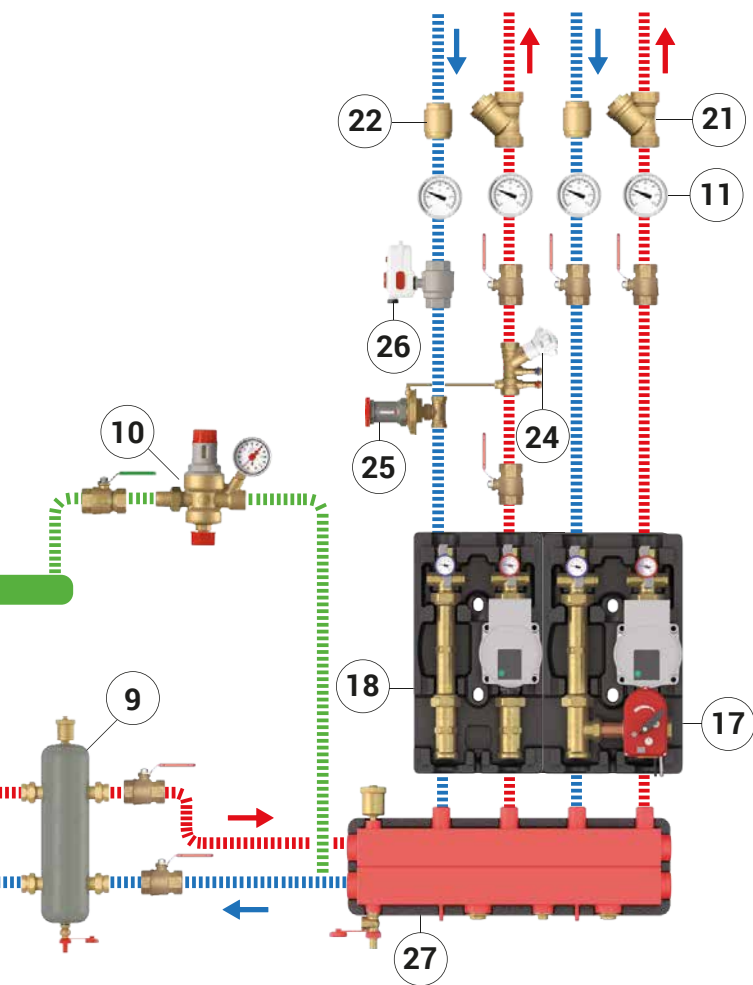
26 R276/R267B/R277
motorised zone valve



27 R586SEP
multifunction boiler room
manifold

COMPONENTS FOR BOILER ROOM

Modern buildings should offer work continuity, easy maintenance and low running costs; for this reason, boiler rooms characterized by high safety, reliable protection and total compliance with laws are required. In order to satisfy these requests, Giacomini offers a complete range of boiler room components; with it, a single supplier can provide all you need for thermo-vector fluid and sanitary water distribution from central room to room terminals.



The application of the boiler room components shown in the figure is merely an example. The sizing of the components, and their positioning in the layout diagram, depends on the system configuration chosen during the design phase.



➤ Balancing valves

R206B

PRODUCT CODE	SIZE		
R206BY003	1/2"	1	-
R206BY004	3/4"	1	-
R206BY005	1"	1	-
R206BY006	1 1/4"	1	-
R206BY007	1 1/2"	1	-
R206BY008	2"	1	-
R206BY013	1/2" *	1	-
R206BY014	3/4" *	1	-
R206BY015	1" *	1	-
R206BY016	1 1/4" *	1	-
R206BY017	1 1/2" *	1	-
R206BY018	2" *	1	-



☺ BENEFITS

- ✓ Fix orifice
- ✓ DZR brass body
- ✓ Opening control through mechanical-memory mechanism

Static balancing valve with fixed orifice (Venturi principle). Brass body with female-female connections and 1/4"F connection for differential pressure controller capillary pipe. Available in version with or without probe holders to connect the differential pressure gauge for differential pressure measurement.
* Without probe holders.

① INFO

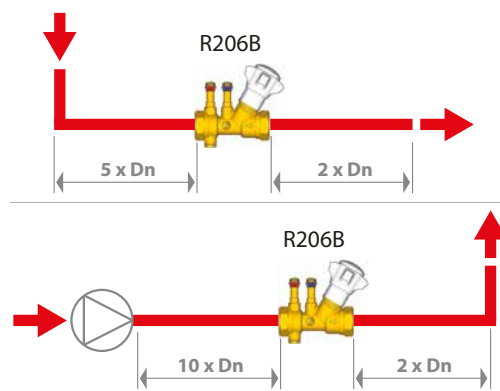
Accessories

- P206Y001: probe holder.
- R225EY001: differential manometer.

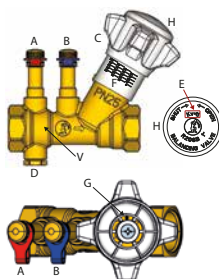


📺 VIDEO

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FLANGED VERSION
p 200



(A) High pressure probe, (B) Low pressure probe, (C) Handwheel, (D) Drain 1/4"F, (E) Kv of the Venturi flow meter, (F) Scale for 0÷100 % setting (20 positions), (G) Presetting screw (limiting the stroke), (H) Removable head (for presetting) with imprinted the Venturi, (V) Venturi flow meter

R206B-1

PRODUCT CODE	SIZE		
R206BY113	1/2"	1	25
R206BY114	3/4"	1	25
R206BY115	1"	1	25

☺ BENEFITS

- ✓ Extremely compact
- ✓ Opening control through mechanical-memory mechanism

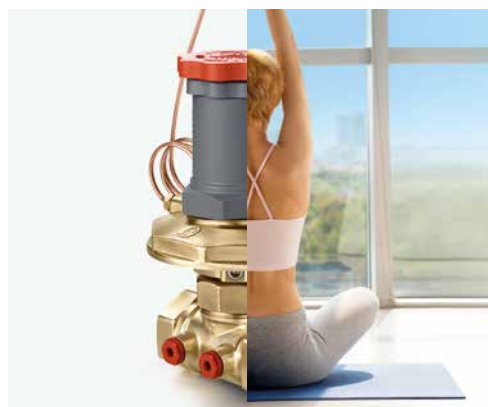


Compact static balancing valve.

Brass body with female-female connections and 1/4"F connection for differential pressure controller capillary pipe.

Maximum working temperature: 110 °C
Maximum working pressure: 25 bar

A piece of life.



NEW GIACOMINI R206C. PERFECT BALANCE.

Giacomini's research department developed R206C, the revolutionary differential pressure controller that can cover a wide range of applications while balancing any system and guaranteeing high levels of performance in terms of comfort and energy saving. In addition, thanks to the double regulation field, it makes planners, distributors and installers' work much easier. Together with other flow regulation devices, R206C adds up to the solutions by Giacomini dedicated to circuit balancing. Cutting-edge products now part of your life. *Giacomini, a piece of life.*

R206C

PRODUCT CODE	SIZE		
R206CY103	DN15 - 1/2" - Kv 2,24	1	8
R206CY104	DN20 - 3/4" - Kv 3,49	1	8
R206CY105	DN25 - 1" - Kv 5,92	1	5
R206CY106	DN32 - 1 1/4" - Kv 6,95	1	5
R206CY107	DN40 - 1 1/2" - Kv 11,72	1	6
R206CY108	DN50 - 2" - Kv 12,97	1	6



Differential pressure controller, equipped with a copper capillary pipe 1 m length. Differential pressure setting: 5÷30 kPa in "Low" modality; 25÷60 kPa in "High" modality.



PATENTED

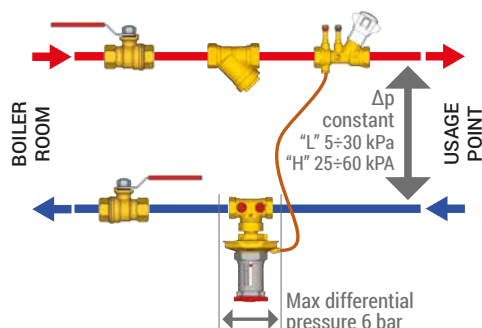
BENEFITS

- ✓ Exclusive dual control range selection: (5-30 kPa) and 25-60 kPa
- ✓ Control of high flow-rates
- ✓ CR brass body



VIDEO

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R206C-1

DIFFERENTIAL PRESSURE SETTING: 5÷30 KPA

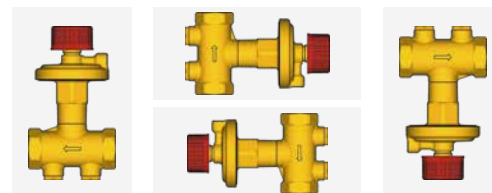
PRODUCT CODE	SIZE		
R206CY223	DN15 - 1/2" - Kv 1,55	1	15
R206CY224	DN20 - 3/4" - Kv 2,40	1	15
R206CY225	DN25 - 1" - Kv 4,15	1	10

DIFFERENTIAL PRESSURE SETTING: 25÷60 KPA

PRODUCT CODE	SIZE		
R206CY233	DN15 - 1/2" - Kv 1,55	1	15
R206CY234	DN20 - 3/4" - Kv 2,40	1	15
R206CY235	DN25 - 1" - Kv 4,15	1	10

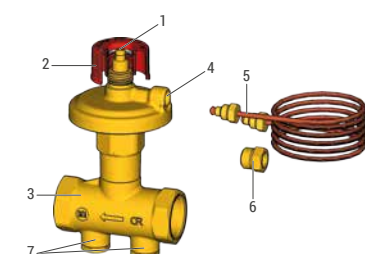
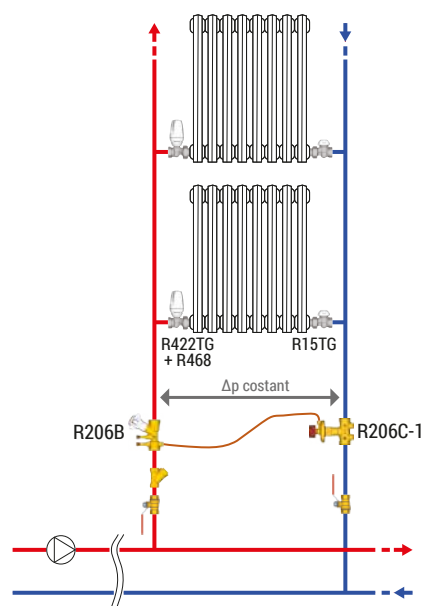


Compact differential pressure controller, equipped with a copper capillary pipe 1 m length. Differential pressure setting 5÷30 kPa or 25÷60 kPa.

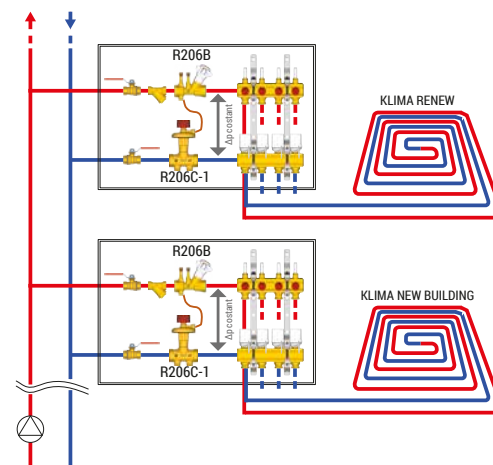


EXAMPLE OF APPLICATION WITH RISER-BASED RADIATOR SYSTEMS

EXAMPLE OF APPLICATION WITH RADIANT FLOOR SYSTEMS



- (1) Setting socket-head screw,
- (2) Shut-off knob,
- (3) Valve body,
- (4) Connection to copper capillary tube,
- (5) Copper capillary tube with 1/8" connection,
- (6) Adapter for copper capillary tube 1/8" x 1/4", for connection to static balancing valve R206B
- (7) Pressure outlets (only for versions with pressure outlets)



R206A

PRODUCT CODE	SIZE		
R206AY113	G 1/2" M - red	1	15
R206AY103	G 1/2" M - blue	1	15
R206AY104	G 3/4" M - black	1	15
R206AY105	G 1" M - green	1	15
R206AY125	G 1" M - blue	1	10
R206AY106	G 1-1/4" M - blue	1	10

INFO

Temperature range: 5÷120 °C
 Max. working pressure: 25 bar (2,5 MPa)
 Working differential pressure range:
 25÷400 kPa (max. 4 bar) with R473 thermo-electric actuator
 25÷800 kPa (max. 8 bar) with K281 actuator or without actuator
 Working flow rate range:
 R206AY113: 32÷520 l/h (single regulation scale)
 R206AY103: 150÷380 l/h (LF); 180÷630 l/h (HF)
 R206AY104: 320÷910 l/h (LF); 700÷1175 l/h (HF)
 R206AY105: 290÷1000 l/h (LF); 860÷1500 l/h (HF)
 R206AY125: 400÷3800 l/h (single regulation scale)
 R206AY106: 400÷4700 l/h (single regulation scale)

Accessories

- K281X062: actuator 24 V for proportional linear flow rate control (0-10 V)
- R473X221: thermo-electric actuator 230 V, normally closed, ON/OFF type
- R473X222: thermo-electric actuator 24 V, normally closed, ON/OFF type
- R453FY002: adapter ring M30 x 1,5 mm for R473 thermo-electric actuator
- P206Y001: pair of pressure outlets
- R225EY001: differential pressure gauge with probe

Spare parts R73PY010: regulation key for the presetting of the flow rate



BENEFITS

- ✓ Dual flow-regulation scale
- ✓ Reliable hermetic seal
- ✓ Pressure compensation for basic actuators
- ✓ Extremely compact

Pressure independent control valve (PICV). Combines an automatic control of the flow rate with an optional control of the valve through an actuator. The valve is able to regulate the flow rate and keep it constant as the differential pressure conditions vary within the hydraulic circuit in which it is installed.

The valve can be used with two operating modes:

- independent control of the pressure (with K281 actuator installed) in accordance with the thermal load requirements of the circuit section to be controlled;
- limitation of the flow rate and/or shut-off of the fluid (without actuator or with R473 thermo-electric actuator installed).

Flow rate adjustment is guaranteed within the declared differential pressure range, with a maintained error of $\pm 10\%$ on the controlled flow rate value.

The valve is equipped with pressure outlets for measuring the differential pressure in combination with a differential pressure gauge and its own probes.

R73PY010 regulation key for the presetting of the flow rate included.

R206AM

PRODUCT CODE	SIZE		
R206AY056	1 1/4"	1	-
R206AY057	1 1/2"	1	-
R206AY058	2"	1	-

INFO

Accessories

- K281X032: actuator 24 V, 0÷10 V, for valves R206AY056, valve connection M30 x 1,5 mm.
- K281X042: actuator 24 V, 0÷10 V, for valves R206AY057, R206AY058, valve connection M30 x 1,5 mm.
- P206Y001: probe holder.
- R225EY001: differential pressure gauge.



BENEFITS

- ✓ Combines multiple functions in one single product
- ✓ Automatic flow-rate control with proportional actuator
- ✓ Replaceable polymer cartridge with dual indicator

Pressure independent control valve (PICV). Combines an automatic flow rate regulator and a control valve with actuator. Brass body with female-female connections and predisposition for the connection of probe holder.

Flow rate is adjusted in two different ways:

- manually on the automatic flow rate regulator, to restrict the maximum value;
- automatically by the control valve in combination with a proportional 0÷10 V or ON/OFF actuator, in accordance with the thermal load requirements of the section of the circuit to be controlled.

	 R473X221 ON/OFF 230 V		 K281X062 0...10 24 V		 K281X042 0...10 24 V	 P206Y001	 R225EY001
R206AY113	✓	✓	✓			✓	✓
R206AY103	✓	✓	✓			✓	✓
R206AY104	✓	✓	✓			✓	✓
R206AY105	✓	✓	✓			✓	✓
R206AY125	✓	✓	✓			✓	✓
R206AY106			✓			✓	✓
R206AY056				✓		✓	✓
R206AY057					✓	✓	✓
R206AY058					✓	✓	✓

R280K

PRODUCT CODE	SIZE		
R280KY003	1/2"F	1	-
R280KY004	3/4"F	1	-

INFO

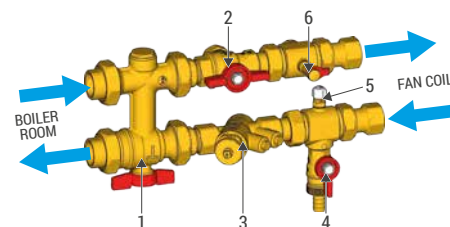
Working flow rate
R280KY003: 37 - 575 l/h - R280KY004: 64 - 1110 l/h
PICV working pressure
R280KY003: 16 - 200 kPa - R280KY004: 30 - 400 kPa
Accessories and spare parts
K281EX001: thermo-electric actuator NC, ON/OFF.
Power 230 Vac
K281EX002: thermo-electric actuator NC, ON/OFF.
Power 24 Vac
K281X012: actuator 0÷10 V. Power 24 V
K281X022: actuator ON/OFF. Power 24 V
P206Y001: probe holder kit (n°2) for temperature
and pressure measuring
R225EY001: differential pressure gauge
P206AMY001: spare cartridge for the PICV
valve of R280KY003 kit
P206AMY002: spare cartridge for the PICV
valve of R280KY004 kit



BENEFITS

- ✓ Reduction of manpower, installation time and costs on site
- ✓ Quick connection (only 4 connections required)
- ✓ Reduced need of a preassembly area
- ✓ One single kit for both heating and cooling
- ✓ Limitation of installation errors
- ✓ Prompt sizing (only two product codes)
- ✓ Limitation of planning errors

Compact preassembled kit for terminal units (fan coils, chilled beams or ceiling air conditioning systems). The kit includes a diverting ball valve to by-pass the terminal unit, a full port ball valve with integrated filter, a pressure-independent control valve (PICV), a manual air vent valve and a drain cock. The kit enables to set and maintain constant the flow rate when the differential pressure of the main circuit changes.



1) Diverting ball valve to by-pass unit, (2) Ball valve with integrated filter, (3) Pressure-independent control valve (PICV), (4) Drain cock, (5) Manual air vent valve, (6) Probe holder.

R280

PRODUCT CODE	SIZE		
R280Y003	DN15 - G 1/2" F X G 3/4" M	1	10
R280Y004	DN20 - G 1-1/4" M	1	10

Spare part valve for R280K kit.



R280AK

PRODUCT CODE	SIZE		
R280AKY113	1/2"F (50-800 l/h)	1	8
R280AKY114	3/4"F (50-1300 l/h)	1	4

Compact preassembled kit for fan coils. The kit includes a ball valve and a PICV on the delivery loop and a ball valve with integrated filter on the return loop.



P206

PRODUCT CODE	SIZE		
P206Y001	1/4" - straight	1	-
P206Y011	1/4" - adjustable fitting	1	-

Probe holder for pressure outlets, to measure the flow rate in the balancing valves. Suitable for pressure outlets with needle Ø3 mm and length 30÷40 mm.



P206C

PRODUCT CODE	SIZE		
P206CY111	For R206C and R206C-1	1	32

Copper capillary tube for valves R206C and R206C-1, 1 m length.



R280W

INSULATION FOR R280K

PRODUCT CODE	SIZE		
R280WY003	1/2"	1	2
R280WY004	3/4"	1	2

INSULATION FOR R280AK

PRODUCT CODE	SIZE		
R280WY020	1/2"F	1	8
R280WY021	3/4"F	1	8

Insulation for R280K and R280AK.



R225E

PRODUCT CODE	SIZE		
R225EY001	-10÷20 bar	1	-

Differential pressure gauge to measure the differential pressure and flow rate calculation for balancing plumbing systems.
Battery powered (2 x AA).
Equipped with two needle probes M10x1 mm.
Measuring range of differential pressure: -10÷20 bar.
Fluid temperature: -5÷90 °C.



P225E

PRODUCT CODE	SIZE		
P225EY001	Needle Ø 3 mm	1	-

Couple of valves for R225E pressure gauge, equipped with Ø 3 mm needle for measuring the pressure/flow rate through the pressure outlets of R206B static balancing valves.



➤ Distribution mixing groups

R586R



Distribution units to control heating and cooling for one zone of the system (R586RY104-114 for heating only).
System side connection 1" F ISO228.
Boiler side connection 1 1/2" M ISO228.
Delivery and return outputs centre distance 125 mm.

Reversible delivery and return outputs (except R586RY103-113).

Complete with interception ball valves with thermometers (0÷120 °C scale), check valve on return output, insulation and wall-mount plate.

WITH CIRCULATOR

PRODUCT CODE	SIZE		
R586RY101	1 1/2" M x 1" F - NO mixing valve	1	-
R586RY102	1 1/2" M x 1" F - Mix. valve (R296)	1	-
R586RY103	1 1/2" M x 1" F - Mix. valve (R297)	1	-
R586RY104	1 1/2" M x 1" F - Thermostatic mix	1	-

① INFO

OPTIONAL COMPONENTS

- K275Y002: actuator with integrated constant temperature regulator (for R586RY102-112-103-113).
 - K275Y013: actuator with 0-10 V regulation controllable with KLIMAbus thermoregulation (for R586RY102-112-103-113).
 - R284Y021: differential by-pass kit.
 - R252Y001: shut-off ball valve 1" F x nut 1 1/2" F, for installation upstream the distribution unit.
 - KLIMAbus thermoregulation: KLIMAbus thermoregulation components (regulation unit, thermostats, ambient probes, etc.)
- COMPATIBLE CIRCULATORS (for circulator-free units)
- Wilo Para, 180 mm centre distance
 - Grundfos Alpha series, 180 mm centre distance



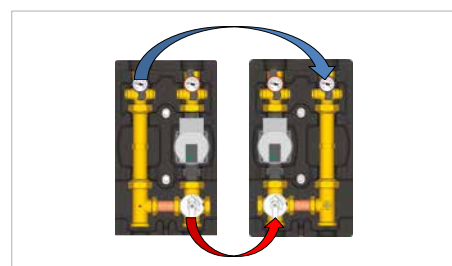
WITHOUT CIRCULATOR

PRODUCT CODE	SIZE		
R586RY111	1 1/2" M x 1" F - NO mixing valve	1	-
R586RY112	1 1/2" M x 1" F - Mix. valve (R296)	1	-
R586RY113	1 1/2" M x 1" F - Mix. valve (R297)	1	-
R586RY114	1 1/2" M x 1" F - Thermostatic mix	1	-



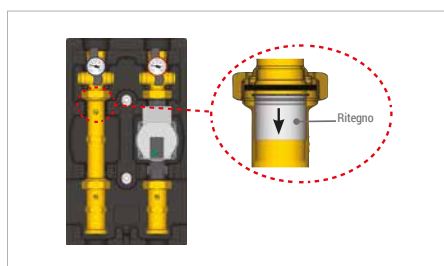
② VIDEO

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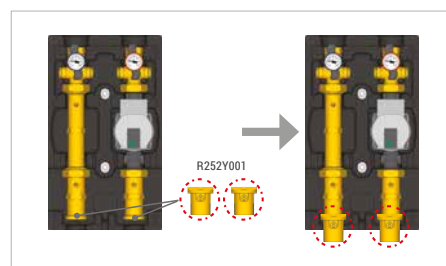
Reversible delivery/return outputs

R586RY101-111-102-112-104-114 units include reversible delivery and return outputs. On the contrary, R586RY103-113 units are not reversible.



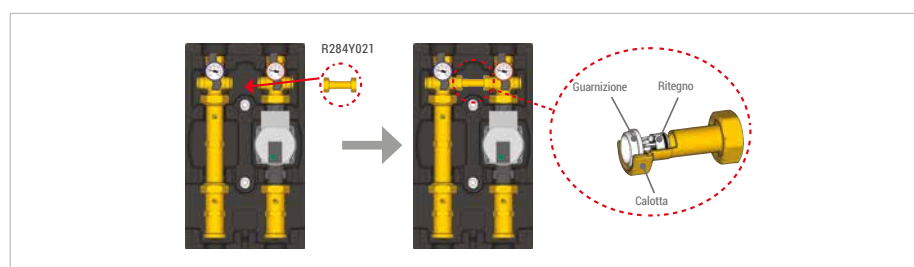
Check valve integrated in return output

All R586R units include a check valve inside the upper part of the spacer on the return output. The check valve can be disassembled by removing the Seeger ring used to fit the spacer.



Installation of R252Y001 ball valve

The R586R units can be shut off by installing upstream the R252Y001 ball valves. The valves can be opened and closed using a 5-mm Allen wrench.



Installation of the R284Y021 differential by-pass kit

The differential by-pass is used to protect the circulator by enabling water recirculation inside the R586R unit when the secondary circuit is off or closed. The kit consists of a brass spacer including an integrated check valve with fixed setting at 5 mH₂O, two nuts to be screwed on the check valves and two PTFE gaskets.



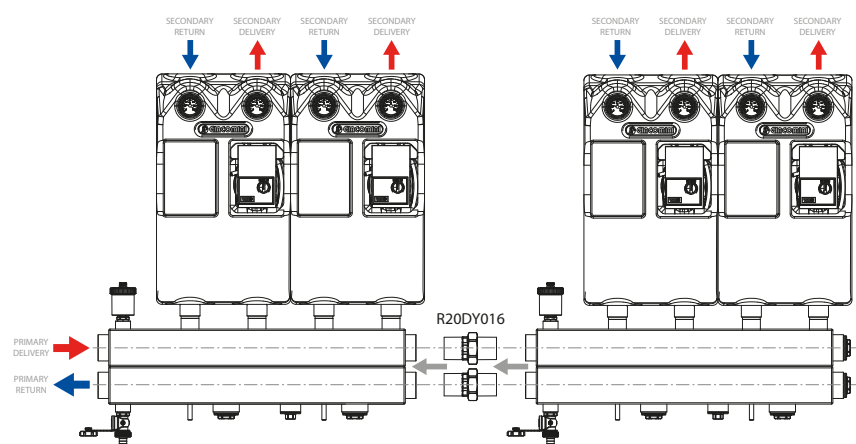
R586SEP

PRODUCT CODE	SIZE		
R586SEY02	1 1/4" F x 1" M (2 outputs)	1	-
R586SEY03	1 1/4" F x 1" M (3 outputs)	1	-



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The modular design enables to install two R586SEP manifolds in series so that up to six R586R distribution units can be installed; this is the ideal solution for large installations with proper balancing. To install the R586SEP manifolds in series, use the special R20DY016 3-piece fittings.



R586SEY02

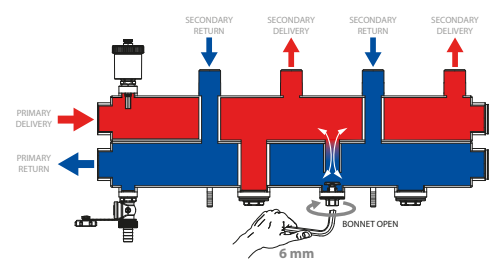


R586SEY03

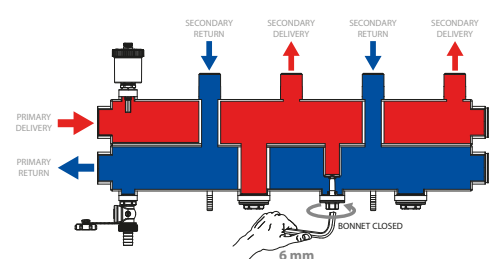


Multifunction boiler room manifold, steel made, with hydraulic separator function and connections for primary and secondary circuits. Equipped with automatic air vent valve, drain cock and insulation shell. Possibility to install N.2 R586R for every R586SEP (max. 2 R586SEP in series installation).

R586SEP can be used both as a basic boiler room manifold and hydraulic separator, based on the installation requirements. On the manifold lower side is an adjustment bonnet (components - ref. 5) to mechanically activate or deactivate the hydraulic separator function. Open the bonnet completely with a 6 mm Allen wrench to put the delivery and return circuits in communication and transform it into a hydraulic separator to balance the secondary side flow, if required.



Close the bonnet completely to interrupt the communication path between delivery and return circuits and transform R586SEP back into a boiler room manifold.



R588SEP

PRODUCT CODE	SIZE		
R588SEY01	-	1	-

Pair of brackets for wall installation of R586SEP boiler room manifold. Equipped with washers and M8 nuts.



R147N

PRODUCT CODE	SIZE		
R147NY004	3/4" x 3/4"	1	25

Differential pressure valve to be installed on heating system with thermostatic valves.



R284-1

PRODUCT CODE	SIZE		
R284Y021	26/19	1	30

Differential by-pass kit to protect the circulator of R586R units. The kit includes a brass spacer with integrated check valve calibrated at a fix value of 5 mH₂O, two nuts to be screwed on the interception valves and two PTFE gaskets.



R20DL

PRODUCT CODE	SIZE		
R20DY016	1 1/4"	2	20

Three pieces adaptor with self-sealing.



R19DL

PRODUCT CODE	SIZE		
R19DY016	1 1/4"	2	20

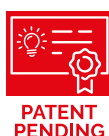
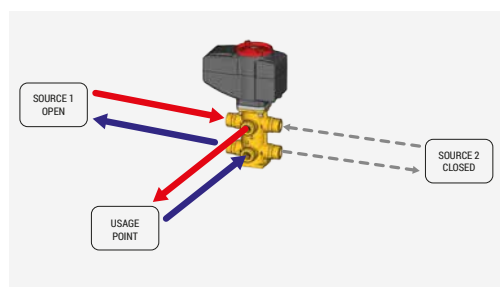
Angle fitting in three pieces with flat seat and self-sealing at male thread.



Zone and mixing valves

R274C

PRODUCT CODE	SIZE		
R274CY003	G 1/2"M	1	10



Compact six-way zone valve with male threaded connections. For use in applications on four pipes systems, where heating and cooling must be available simultaneously. The typical installation is on ceiling, underfloor and fan-coil systems, but are not excluded other applications.

Temperature range: 5÷90 °C.

Nominal pressure: 16 bar.

Valve closed with stem in 45° position.

The 40 mm center distance between inlet and outlet provides direct connection to the fan coils.

INFO

Optional:

- K274Y072: actuator 24 Vac/dc (0-10 V).
- P21SY001-P21SY006: calibrated washers to control the loss of pressure.
- RM179Y053, RM179Y056, P15FY013, P15Y018: fittings to connect the system pipes.
- R254PY102, R254PY112: ball valves to connect the system pipes.

R274N

PRODUCT CODE	SIZE		
R274Y033	G 1/2"M	1	20
R274Y133	G 1/2"M (DZR brass)	1	20
R274Y045	G 1"M	1	10
R274Y145	G 1"M (DZR brass)	1	10



Six-way zone valve with male threaded connections. For use in applications on four pipes systems, where heating and cooling must be available simultaneously. The typical installation is on ceiling, underfloor and fan-coil systems, but are not excluded other applications.

Temperature range: 5÷90 °C.

Nominal pressure: 10 bar.

Valve closed with stem in 45° position.

INFO

Optional for R274Y033, R274Y133 (1/2"):

- K274Y052: actuator 24 Vac/dc (0-10 V).
- P21SY001-P21SY006: calibrated washers to control the loss of pressure.
- RM179Y053, RM179Y056, P15FY013, P15Y018: fittings to connect the system pipes.
- R254PY102, R254PY112: ball valves to connect the system pipes.
- R274WY002: insulation.

Optional for R274Y045, R274Y145 (1"):

- K274Y052: actuator 24 Vac/dc (0-10 V).
- P21SY011-P21SY018: calibrated washers to control the loss of pressure.
- RM179Y073, RM179Y074, R252Y003, RM252Y004, R252Y023, R252Y025, P15Y015, P15Y016, P15Y017, P15FY004, P15FY005: fittings to connect the system pipes.
- R274WY001: insulation.



VIDEO

Scan the QR-Code with a smartphone or tablet to view the video-tutorial



PRODUCT CODE	SIZE	VALVE BODY MATERIAL	OPTIONAL			
			CALIBRATED WASHERS	ACTUATOR	INSULATION	FITTINGS
R274CY003	G 1/2"M	CW617N	P21SY001 ÷ P21SY006	K274Y072	-	RM179Y053 (1/2"F x 16x2) RM179Y056 (1/2"F x 20x2) P15FY013 (1/2"F x 1/2"F) P15Y018 (1/2"F x 1/2"M) R254PY102 (1/2"F x 1/2"M) red R254PY112 (1/2"F x 1/2"M) blue
R274Y033	G 1/2"M		P21SY001 ÷ P21SY006	K274Y052 K274Y072	R274WY002	RM179Y053 (1/2"F x 16x2) RM179Y056 (1/2"F x 20x2) P15FY013 (1/2"F x 1/2"F) P15Y018 (1/2"F x 1/2"M)
R274Y133	G 1/2"M	CW602N DZR	P21SY001÷P21SY006	K274Y052 K274Y072	R274WY002	RM179Y053 (1/2"F x 16x2) RM179Y056 (1/2"F x 20x2) P15FY013 (1/2"F x 1/2"F) P15Y018 (1/2"F x 1/2"M)
R274Y045	G 1"M	CW617N	P21SY011 ÷ P21SY018	K274Y052 K274Y072	R274WY001	RM179Y073 (1"F x 26x3) RM179Y074 (1"F x 32x3) RM252Y003 (1"F x RM16x2) RM252Y004 (1"F x RM20x2) R252Y023 (1"F x 1/2"M) R252Y025 (1"F x 18) P15Y015 (1"F x 1/2"M) P15Y016 (1"F x 3/4"M) P15Y017 (1"F x 1"M)
R274Y145	G 1"M	CW602N DZR	P21SY011 ÷ P21SY018	K274Y052 K274Y072	R274WY001	P15FY004 (1"F x 3/4"F RP, EN 10226) P15FY005 (1"F x 1"F RP, EN 10226)

P21S

FOR R274N, R274C SIZE 1/2"

PRODUCT CODE	SIZE		
P21SY001	Ø2,7 mm - Kv 0,25	1	5
P21SY002	Ø3,5 mm - Kv 0,40	1	5
P21SY003	Ø4,5 mm - Kv 0,65	1	5
P21SY004	Ø6,0 mm - Kv 1,00	1	5
P21SY005	Ø7,0 mm - Kv 1,30	1	5
P21SY006	Ø8,0 mm - Kv 1,60	1	5

FOR R274N SIZE 1"

PRODUCT CODE	SIZE		
P21SY011	Ø3,0 mm - Kv 0,25	1	5
P21SY012	Ø4,0 mm - Kv 0,40	1	5
P21SY013	Ø4,5 mm - Kv 0,65	1	5
P21SY014	Ø5,8 mm - Kv 1,00	1	5
P21SY015	Ø6,7 mm - Kv 1,30	1	5
P21SY016	Ø7,5 mm - Kv 1,60	1	5
P21SY017	Ø9,0 mm - Kv 2,50	1	5
P21SY018	Ø12,7 mm - Kv 3,45	1	5

Calibrated washers with seeger ring, for balancing the Kv of R274N, R274C six-way zone valves.

INFO

Order N°2 calibrated washers for every six-way valve.



R274W

PRODUCT CODE	SIZE		
R274WY001	1"	1	-
R274WY002	1/2"	1	-

Insulation made of cross-linked polyethylene foam, for R274N six-way zone valves.



P15M

PRODUCT CODE	SIZE		
P15Y018	1/2"F x 1/2"M	5	50
P15Y015	1"F x 1/2"M	10	50
P15Y016	1"F x 3/4"M	10	50
P15Y017	1"F x 1"M	5	50

Couple of brass tail pieces, male threaded, with nut and gasket, for the connection of R274N, R274C six-way zone valves.



P15F

PRODUCT CODE	SIZE		
P15FY013	1/2"F x 1/2"F	5	50
P15FY004	1"F x 3/4"F	1	50
P15FY005	1"F x 1"F	1	50

Couple of brass tail pieces, female threaded, with nut and gasket, for the connection of R274N, R274C six-way zone valves.



R295

PRODUCT CODE	SIZE		
R295Y001	1 1/2"	1	10

Four-way mixing valve male-female connections.
Centre distance: 120 mm.

INFO

To be completed with K274 or K275 actuator.



R296

PRODUCT CODE	SIZE		
R296Y001	1 1/2"	1	-

Three-way mixing valve male-female connections.
Centre distance: 120 mm.

INFO

To be completed with K274, K275 or K275-1 actuator.



R197P

PRODUCT CODE	SIZE		
R197PY001	1 1/4" x 1 1/2"	10	100

Fitting for horizontal installation of R295, R296 mixing valves.



R297

THREADED CONNECTIONS

PRODUCT CODE	SIZE		
R297Y004	3/4"	1	-
R297Y005	1"	1	-
R297Y006	1 1/4"	1	-
R297Y007	1 1/2"	1	-
R297Y008	2"	1	-

FLANGED CONNECTIONS

PRODUCT CODE	SIZE		
R297Y105	DN50	1	-
R297Y106	DN65	1	-
R297Y108	DN80	1	-
R297Y110	DN100	1	-
R297Y112	DN125	1	-

Sector mixing valve female-female threaded or flanged connections.
Threaded versions made of brass; flanged versions made of cast iron.

INFO

To be completed with K275 or K275-1 actuator.
To install the K275 or K275-1 actuators on flanged version valves, it is necessary to order the installation kit P275Y001.



R298

PRODUCT CODE	SIZE		
R298Y027	1 1/2"	1	-

Three-way mixing valve male-female flat seat connections.
Centre distance: 120 mm. M30 x 1,5 mm actuator connection.

INFO

To be completed with K281 or K282 actuator.



R298N

PRODUCT CODE	SIZE		
R298Y024	3/4"	1	-

Three-way mixing valve female-female connections.
M30 x 1,5 mm actuator connection.

INFO

To be completed with K281 or K282 actuator.



R276

PRODUCT CODE	SIZE		
R276Y004	3/4"	1	25
R276Y005	1"	1	25

Two-way zone valve with female-female connections.

INFO

To be completed with K270 or K272 actuator.



R277

PRODUCT CODE	SIZE		
R277Y004	3/4"	1	25
R277Y025	1"	1	10

Two-way zone valve with male-male connections with tail pieces.

INFO

To be completed with K270 or K272 actuator.



R278

PRODUCT CODE	SIZE		
R278Y004	3/4"	1	10
R278Y005	1"	1	10

Three-way zone valve with male-male connections with tail pieces, by-pass and lockshield for adjustment.

INFO

To be completed with K270 or K272 actuator.



R279

PRODUCT CODE	SIZE		
R279Y004	3/4"	1	25
R279Y005	1"	1	10

Three-way zone valve with female-female connections, with lockshield for adjustment.

INFO

To be completed with K270 or K272 actuator.



R279D

PRODUCT CODE	SIZE		
R279DY024	3/4"	1	-
R279DY025	1"	1	-

Three-way diverting valve with female-female connections.

INFO

To be completed with K270 or K272 actuator.



R276B

PRODUCT CODE	SIZE		
R276BX006	1 1/4" - 230 V	1	-
R276BX007	1 1/2" - 230 V	1	-
R276BX008	2" - 230 V	1	-
R276BX026	1 1/4" - 24 V	1	-
R276BX027	1 1/2" - 24 V	1	-
R276BX028	2" - 24 V	1	-

Two-way zone valve with female-female connections, with K272 actuator and insulation included.



R291

PRODUCT CODE	SIZE		
R291Y004	3/4"	1	10
R291Y005	1"	1	10

Two-way piston zone valve, male-male connections with tail pieces.

INFO

To be completed with R473, R473M actuator.



R292

PRODUCT CODE	SIZE		
R292Y004	3/4"	1	10
R292Y005	1"	1	10

Three-way piston zone valve, male-male connections with tail pieces.

INFO

To be completed with R473, R473M actuator.



R292E

PRODUCT CODE	SIZE		
R292EY004	3/4"	1	10
R292EY005	1"	1	10

Three-way piston zone valve, male-male connections with eccentric tail pieces.

INFO

To be completed with R473, R473M actuator.



R193K

PRODUCT CODE	SIZE		
R193Y011	Ø18 - for R500 cabinets	1	50
R193Y021	Ø18 - for R500-2 cabinets	1	50

Connection kit for R278, R292, R292E zone valves.



P15E

PRODUCT CODE	SIZE		
P15EY004	1" x 3/4"	1	15
P15EY005	1" x 1"	1	15

Eccentric tail piece.



P19

PRODUCT CODE	SIZE		
P19Y001	From M28 to M30	1	50
P19Y002	From M30 to M28	1	50

Ring nut to change the connection of the mixing valves.



P275

PRODUCT CODE	SIZE		
P275Y001	Kit for R297 flanged valves	1	-

Installation kit for K275/K275-1 actuators on R297 flanged valves.



Electrical actuators

R473

PRODUCT CODE	SIZE		
R473X221	230 V	1	25
R473X222	24 V	1	25

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



R473M

PRODUCT CODE	SIZE		
R473MX221	230 V	1	25
R473MX222	24 V	1	25

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



K281

PRODUCT CODE	SIZE		
K281X012	24 V - 0÷10 V	1	-
K281X022	24 V - 3 point floating	1	-
K281X032	24 V - 0÷10 V	1	-
K281X042	24 V - 0÷10 V	1	-
K281X062	24 V - 0÷10 V	1	-

Actuator for R298 or R298N mixing valves, R206A, R206AM PICV, R280K compact preassembled kit for terminal units. Operation in combination with Giacomini thermoregulation. M30 x 1,5 mm connection.

INFO

- K281X012: actuator for valves R298, R298N, R280K. Power supply 24 V. Version 0÷10 V.
- K281X022: actuator for valves R298, R298N, R280K. Power supply 24 V. Version ON/OFF.
- K281X032: actuator for valves R206AY056. Power supply 24 V; 50/60 Hz. Version 0÷10 V. 5 VA. UL approved.
- K281X042: actuator for valves R206AY057, R206AY058. Power supply 24 V; 50/60 Hz. Version 0÷10 V. 7 VA. UL approved.
- K281X062: actuator for valves R206A. Power supply 24 V; Version 0÷10 V.



K282

PRODUCT CODE	SIZE		
K282X022	24 V - 3 point floating	1	-

Actuator for R298 or R298N mixing valves. With integrated delivery temperature probe and electronic regulator. M30 x 1,5 mm connection.



K270

PRODUCT CODE	SIZE		
K270Y101	230 V	1	-
K270Y102	24 V	1	-

Actuator for R276, R277, R278, R279 zone valves and R279D diverting valve. With stroke-end microswitch. 90° rotation in around 40 seconds.



K274-2

PRODUCT CODE	SIZE		
K274Y052	24 V / 0-10 V (CE, UL)	1	-
K274Y072	24 V / 0-10 V (CE)	1	-

Actuator for R274N, R274C six-way zone valves. Automatic or manual operation by handwheel. Power supply 24 V - 0-10 V.



K274

PRODUCT CODE	SIZE		
K274Y101	230 V / 3-point floating	1	-
K274Y102	24 V / 3-point floating	1	-

Actuator for R295, R296 mixing valves. Possibility of automatic command in combination with Giacomini thermoregulation.



K275-1

PRODUCT CODE	SIZE		
K275Y011	230 V - 3-point floating	1	-
K275Y013	24 V - 0-10 V	1	-

Actuator for R296 or R297 mixing valves.



K272

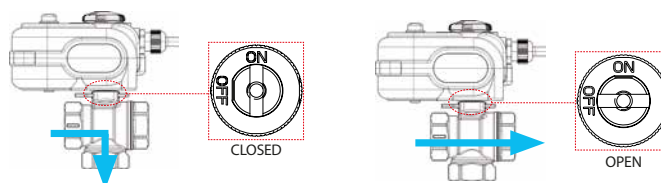
PRODUCT CODE	SIZE		
K272Y101	230 V	1	-
K272Y102	24 V	1	-

Actuator for R276, R277, R278, R279 zone valves and R279D diverting valve. With stroke-end microswitch and handwheel for manual operation. 90° rotation in around 60 seconds.



INFO

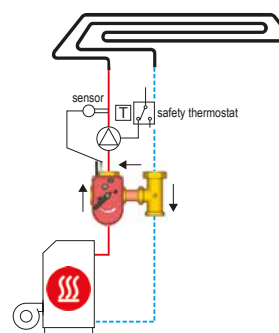
Actuator used also in R276B valves.



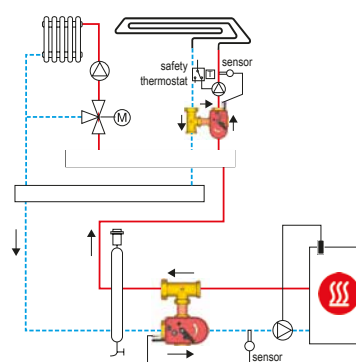
K275

PRODUCT CODE	SIZE		
K275Y002	24 V / 230 V	1	-

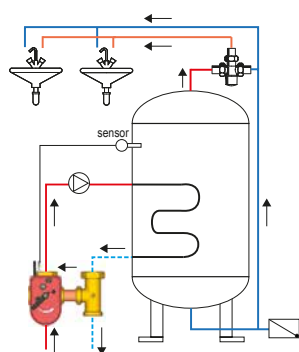
Actuator with integrated regulator for R295, R296 or R297 mixing valves.



Underfloor heating
Maintain a constant temperature of heating water. The installation of a safety thermostat is recommended.
























Radiator and underfloor radiant systems
Maintain a constant return flow water temperature (protection against condensation in solid fuel boiler) and constant temperature in the heating system.





Tank to heat the drinking water
Maintain a constant water temperature inside the hot water tank.

MIXING VALVE - ACTUATOR COMPATIBILITY TABLE


										
	K275	K275-1	K274	K281	K282	K274-2	K272	K270	R473	R473M
 R297	✓	✓								
 R298				✓	✓					
 R298N				✓	✓					
 R296	✓	✓	✓							
 R274N						✓				
 R276							✓	✓		
 R277							✓	✓		
 R278							✓	✓		
 R279							✓	✓		
 R291									✓	✓
 R292									✓	✓

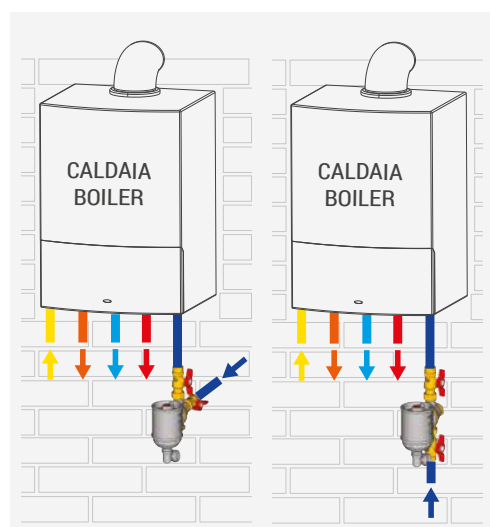
Dirt and hydraulic separators

R146C

PRODUCT CODE	SIZE		
R146CX004	3/4"M	1	10
R146CX005	1"M	1	10

KIT DIRT-SEPARATOR + BALL VALVE + ADJUSTABLE TAIL PIECE

PRODUCT CODE	SIZE		
R146CKX004	3/4"M (kit)	1	10



VIDEO

Scan the QR-Code with a smartphone or tablet to view the video-tutorial

Adjustable magnetic dirt separator.

Equipped with adjustable inlet/outlet fitting with 3/4"M or 1"M ISO 228 connections, cap, adjustable drain cock, filter, magnet housing and magnet.

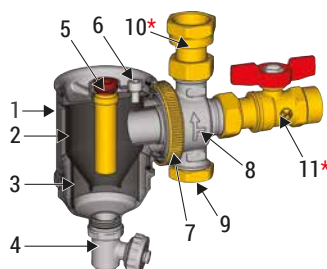
INFO

Optional accessories for R146CX004

- R254PY034: shut-off ball valve, 3/4"F flat seat nut (ISO228) x 3/4"M (ISO228)
- R176PY008: tail piece, 3/4"F flat seat nut (ISO228) x 3/4"F (ISO228)
- R176PY018: adjustable tail piece, 3/4"F flat seat nut (ISO228) x 3/4"F (ISO228)

Optional accessories for R146CX005

- P15FY005: pair of two tail pieces, 1"F flat seat nut (ISO228) x 1"F (Rp - EN10226)



- (1) Dirt separator body, (2) Cyclonic chamber, (3) Filter, (4) Adjustable drain cock, (5) Magnet housing and magnet, (6) Air vent screw, (7) Fitting lock nut, (8) Adjustable inlet/outlet fitting, (9) Cap (3/4"F or 1"F depending on the codes), (10) 3/4"F x 3/4"F flat seat tail piece *(Optional), (11) 3/4"M x 3/4"F interception ball valve *(Optional).



A piece of life.



NEW R146C DIRT SEPARATOR.

MAKE YOUR JOB EASIER, GIVE A LONGER LIFE TO YOUR BOILER.

No impurities. No worries. The innovative R146C dirt separator will change everything. Extremely compact, it makes installation and maintenance much easier, giving you a combined solution for cleaning your hydraulic system: classic inox filtration, magnetic action, cyclonic effect. The best supporter for your well-being. For your job and people's comfort. *Giacomini, a piece of life.*



R146M

THREADED CONNECTIONS

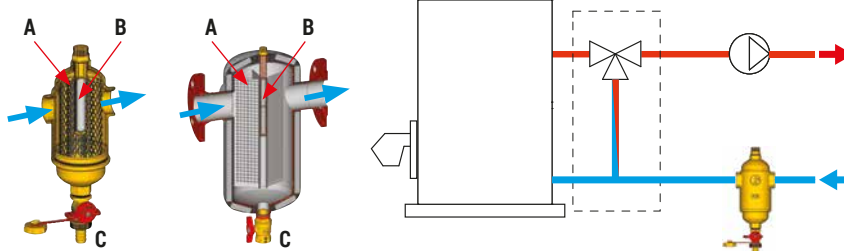
PRODUCT CODE	SIZE		
R146MY014	3/4"	1	-
R146MY015	1"	1	-
R146MY016	1 1/4"	1	-
R146MY017	1 1/2"	1	-
R146MY018	2"	1	-

FLANGED CONNECTIONS

PRODUCT CODE	SIZE		
R146MY105	DN50	1	-
R146MY106	DN65	1	-
R146MY108	DN80	1	-
R146MY110	DN100	1	-
R146MY112	DN125	1	-
R146MY115	DN150	1	-

OPERATION

The flow enters the dirt separator and is slowed down, allowing for the separation of the solid impurities present in the fluid. The solid impurities are separated when they collide with the metal mesh (A) and ferrous particles are retained by the attraction force generated by the magnet (B). The filter can be cleaned without having to remove it and/or switch off the system, by opening the shut-off cock (C) and removing the magnet (B) from the container housing, by pulling it upwards.



Magnetic dirt separator with female threaded connections (insulation optional) or flanged connections (with insulation). Equipped with magnet holder housing, P146M magnetic kit, drain cock, filter and gaskets.

① INFO

THREADED VERSION

- Housing for magnetic kit, size 1/2"M
- Female threaded connections UNI ISO228

FLANGED VERSION

- Housing for magnetic kit, size 1/2"M
- Flange UNI EN 1092-1 PN16
- Insulation: thickness 20 mm, density 30 kg/m³, thermal conductivity 0,038 W/m K, fire reaction class B2)

R146D

THREADED CONNECTIONS

PRODUCT CODE	SIZE		
R146DY004	3/4"	1	-
R146DY005	1"	1	-
R146DY014	3/4"	1	-
R146DY015	1"	1	-
R146DY016	1 1/4"	1	-
R146DY017	1 1/2"	1	-
R146DY018	2"	1	-

FLANGED CONNECTIONS

PRODUCT CODE	SIZE		
R146DY105	DN50	1	-
R146DY106	DN65	1	-
R146DY108	DN80	1	-
R146DY110	DN100	1	-
R146DY112	DN125	1	-
R146DY115	DN150	1	-



Dirt separator with female threaded connections (insulation optional) or flanged connections (with insulation).

It can be use also as a deaerator unit by installing the R99S air vent valve instead of the upper plug. Equipped with drain cock, filter and gaskets.

① INFO

THREADED VERSION

- Upper connection: 1/2"F
- Female threaded connections UNI ISO228

FLANGED VERSION

- Upper connection: 1/2"F
- Flange UNI EN 1092-1 PN16
- Insulation: thickness 20 mm, density 30 kg/m³, thermal conductivity 0,038 W/m K, fire reaction class B2)



R146I

THREADED CONNECTIONS

PRODUCT CODE	SIZE		
R146IY005	1"	1	-
R146IY006	1 1/4"	1	-
R146IY007	1 1/2"	1	-
R146IY008	2"	1	-

FLANGED CONNECTIONS

PRODUCT CODE	SIZE		
R146IY105	DN50	1	-
R146IY106	DN65	1	-
R146IY108	DN80	1	-
R146IY110	DN100	1	-
R146IY112	DN125	1	-
R146IY115	DN150	1	-



Hydraulic separator with female threaded or flanged connections, with insulation. Equipped with automatic air vent valve and drain cock with hose connection.

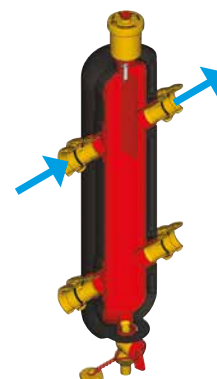
① INFO

THREADED VERSION

- Connections: UNI ISO228 for 1", 1 1/4".
- Connections: IS07/1 for 1 1/2", 2".
- Insulation: density 40 kg/m³, thermal conductivity 0,023 W/mK, fire reaction class 1.

FLANGED VERSION

- Flange: UNI EN 1092-1 PN16
- Insulation: density 30 kg/m³, thermal conductivity 0,039 W/mK, fire reaction class B2.



R146IM

THREADED CONNECTIONS

PRODUCT CODE	SIZE		
R146IM005	1"	1	-
R146IM006	1 1/4"	1	-
R146IM007	1 1/2"	1	-
R146IM008	2"	1	-

FLANGED CONNECTIONS

PRODUCT CODE	SIZE		
R146IM105	DN50	1	-
R146IM106	DN65	1	-
R146IM108	DN80	1	-
R146IM110	DN100	1	-
R146IM112	DN125	1	-
R146IM115	DN150	1	-



Hydraulic separator equipped with magnet to remove solid debris, with female threaded or flanged connections, with insulation. Equipped with automatic air vent valve and drain cock with hose connection.

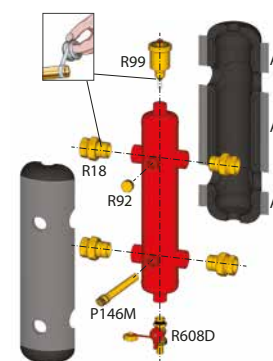
① INFO

THREADED VERSION

- Connections: UNI ISO228 for 1", 1 1/4".
- Connections: IS07/1 for 1 1/2", 2".
- Insulation: density 40 kg/m³, thermal conductivity 0,023 W/mK, fire reaction class 1.

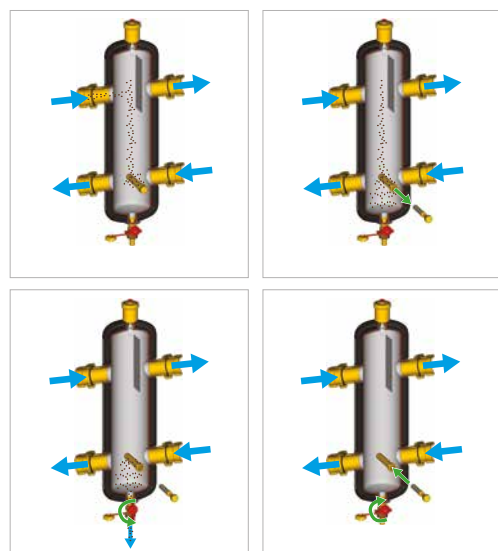
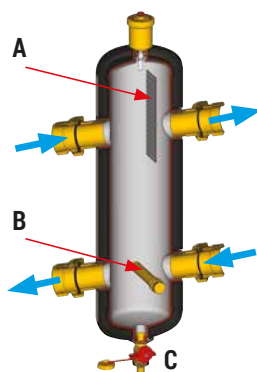
FLANGED VERSION

- Flange: UNI EN 1092-1 PN16
- Insulation: density 30 kg/m³, thermal conductivity 0,039 W/mK, fire reaction class B2.



① INFO

The R146IM hydraulic separator enables to decouple the primary circulator flow from the secondary. When the flow running through a primary or secondary circuit exceeds the one circulating in the other, the separator bypasses part of the flow. This results in a production circuit featuring a constant flow and a distribution circuit with a variable flow. The flow enters the separator and slows down to separate the solid debris from the fluid. The solid impurities are separated when they collide with the metal mesh (A) and ferrous particles are retained by the attraction force generated by the magnet (B). We recommend to periodically open the drain tap (C) on the lower end of the separator to discharge possible debris collected on the bottom of the separator.



P146C

FOR DIRT SEPARATORS WITH NEW RED MAGNET

PRODUCT CODE	SIZE		
P146CY002	3/8" - Length 81 mm	1	-
P146CY012	3/8" - Length 81 mm	1	-

FOR DIRT SEPARATORS WITH OLD TYPE MAGNET

PRODUCT CODE	SIZE		
P146CY003	3/8" - Length. 63 mm + housing	1	-
P146CY012	3/8" - Length 81 mm	1	-
P146CY001	3/8" - Length 51 mm *	1	-
P146CY011	3/8" - Length 81 mm *	1	-

Magnetic kit for R146C dirt separator.

① INFO

P146CY002: for 3/4" R146C dirt separator

P146CY012: for 1" R146C dirt separator

P146CY003: for 3/4" R146C dirt separator (brass housing included)

P146CY001: for 3/4" R146C dirt separator

P146CY011: for 1" R146C dirt separator

* Last in production

P146CY002 - P146CY012



P146M

PRODUCT CODE	SIZE		
P146MY002	1/2" - Length 90 mm	1	-
P146MY003	1/2" - Length 110 mm	1	-
P146MY103	1/2" - Length 245 mm	1	-
P146MY104	1/2" - Length 375 mm	1	-
P146MY105	1/2" - Length 395 mm	1	-

Kit composed of magnet holder housing with gaskets for installation on dirt separator and/or hydraulic separators.

① INFO

FOR DIRT SEPARATORS

P146MY003: for all threaded dirt separators.

P146MY103: for flanged dirt separators DN50, DN65, DN80.

P146MY104: for flanged dirt separators DN100, DN125.

P146MY105: for flanged dirt separators DN150.

FOR HYDRAULIC SEPARATORS

P146MY002: for threaded hydraulic separators 1", 1 1/4".

P146MY003: for threaded hydraulic separators 1 1/2", 2".

R176P-1

PRODUCT CODE	SIZE		
R176PY018	3/4" F x 3/4" F	5	30

Adjustable fitting with nut.



R73D

PRODUCT CODE	SIZE		
R73DY001	For R146C	10	40

Maintenance wrench for R146C dirt separator.



R701

PRODUCT CODE	SIZE		
R701X013	G 1/2" M x G 3/4" M	10	100

Drain cock for R146C dirt separator.



R146W

INSULATION FOR THREADED R146D, R146M

PRODUCT CODE	SIZE		
R146WY001	3/4" - 1"	1	-
R146WY002	1 1/4" - 1 1/2"	1	-
R146WY003	2"	1	-

INSULATION FOR R146C

PRODUCT CODE	SIZE		
R146WY504	3/4"	1	-

Insulation for R146D, R146M and R146C threaded dirt separators. Thickness 20 mm, density 30 kg/m³, thermal conductivity 0,038 W/m K, fire reaction class B2.



P142

PRODUCT CODE	SIZE		
P142X003	For R142DP 1/2"	1	12

Kit of 5 replacement cartridges for R142DP.



R143N

PRODUCT CODE	SIZE		
R143NX004	3/4" F x 3/4" M w/hose connect. Ø20	1	12

Acid condensate neutralizer for condensation boilers; including first recharge, straight and 90° curve hose connections (3/4" x Ø20 mm) for various installation needs, two support brackets with screw anchors and boiler anti-block system. Room temperature range: 1÷50 °C. Max. flow rate: 3 l/h.



P143

PRODUCT CODE	SIZE		
P143X004	For R143N 3/4"	1	24

Recharge kit for condensate neutralization R143N.



Protect the quality of your system and your work

Radiant
Systems

Energy
Management



▲ Brand new non-acid products to protect system materials and the environment.

▲ Easy to use and measure: 1 liter for 100 liters of system water.

K375

PRODUCT CODE	SIZE		
K375Y021	1l	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.



K380

PRODUCT CODE	SIZE		
K380Y001	1l	1	18

CLEAN is a neutral, quick and effective cleaning product for heating systems. It can also be used to flush radiant panel systems. Used in new systems, it removes machining debris, oil, grease, corrosive substances or start-up deposits of different types.



K381

PRODUCT CODE	SIZE		
K381Y001	1l	1	18

REMOVE-RAPID Non-acid concentrated product for removal of scales, dirt and oxides in heating systems. Removes iron debris and scales from heat exchangers, radiators and pipes. Also suitable for flushing radiant panel systems. Effective as dispersant and complexing agent and, thanks to its neutral formula (suitable also in presence of aluminum components), it does not require neutralization. Contains rust inhibitors.



K382

PRODUCT CODE	SIZE		
K382Y001	1l	1	9

2IN1 Special non-acid descaling, sludge removal, cleaning, anti-corrosion and sanitizing fluid. Suitable for high and low temperature circuits, radiant panels and combined hot/cold circuits. Pour the product in the system to be cleansed and protected, then allow to act. No need to drain the system like traditional sludge removal product. Use with a dirt separator. This is a double-action product: sludge removal, dispersing and sanitizing action; PROTECTS: rust and limestone inhibitor.



R140

PRODUCT CODE	SIZE		
R140Y001	1/2" - 1,5 bar	1	50
R140Y002	1/2" - 2,5 bar	1	50
R140Y003	1/2" - 3 bar	1	50
R140Y005	1/2" - 3,5 bar	1	50
R140Y006	1/2" - 4 bar	1	50
R140Y007	1/2" - 4,5 bar	1	50
R140Y008	1/2" - 5 bar	1	50
R140Y009	1/2" - 6 bar	1	50
R140Y010	1/2" - 7 bar	1	50
R140Y011	1/2" - 8 bar	1	50
R140Y013	1/2" - 10 bar	1	50
R140Y021	3/4" - 1,5 bar	1	25
R140Y020	3/4" - 2 bar	1	25
R140Y022	3/4" - 2,5 bar	1	25
R140Y023	3/4" - 3 bar	-	-
R140Y025	3/4" - 3,5 bar	1	25
R140Y026	3/4" - 4 bar	1	25
R140Y028	3/4" - 5 bar	1	25
R140Y029	3/4" - 6 bar	1	25
R140Y031	3/4" - 8 bar	1	25
R140Y032	3/4" - 10 bar	1	25
R140Y040	1" - 2 bar	1	20
R140Y042	1" - 2,5 bar	1	20
R140Y043	1" - 3 bar	1	20
R140Y045	1" - 3,5 bar	1	20
R140Y046	1" - 4 bar	1	20
R140Y048	1" - 5 bar	1	20
R140Y049	1" - 6 bar	1	20
R140Y051	1" - 8 bar	1	20
R140Y052	1" - 10 bar	1	20
R140Y062	1 1/4" - 2,5 bar	1	10
R140Y063	1 1/4" - 3 bar	1	10
R140Y065	1 1/4" - 3,5 bar	1	10
R140Y066	1 1/4" - 4 bar	1	10
R140Y067	1 1/4" - 4,5 bar	1	10
R140Y068	1 1/4" - 5 bar	1	10
R140Y069	1 1/4" - 6 bar	1	10

Membrane safety valve, female-female connections.
Use with hot/cold water, air.
Temperature range: 5÷110 °C.
Nominal pressure: 10 bar.

R140M

PRODUCT CODE	SIZE		
R140MY003	1/2" - 3 bar	1	25
R140MY009	1/2" - 6 bar	1	25

Membrane safety valve, male-female connections.
Use with hot/cold water, air.
Temperature range: 5÷110 °C.
Nominal pressure: 10 bar.



R140PT

PRODUCT CODE	SIZE		
R140PY021	1/2" x Ø15 mm (4 bar)	1	-
R140PY026	1/2" x Ø15 mm (7 bar)	1	-
R140PY031	3/4" x Ø22 mm (4 bar)	1	-
R140PY036	3/4" x Ø22 mm (7 bar)	1	-

Combined temperature and pressure safety valve, male connections.
Use with hot/cold water.
Calibration settings:
- Temperature: 90°C
- Pressure: 4 and 7 bar
(depending on versions)
Nominal pressure: 10 bar.



R140C

PRODUCT CODE	SIZE		
R140CY006	1/2" x 3/4" - 4 bar	1	30
R140CY009	1/2" x 3/4" - 6 bar	1	30

Membrane safety valve for solar thermal systems, female-female connections.
Use with hot water or glycol solutions (max. 50 %).
Temperature range: 5÷160 °C.
Nominal pressure: 10 bar.



R140C-1

PRODUCT CODE	SIZE		
R140CY010	1/2" x 3/4" - 7 bar	1	30
R140CY011	1/2" x 3/4" - 8 bar	1	30

Membrane safety valve for domestic water systems, female-female connections.
Use with hot/cold water, air.
Temperature range: 5÷110 °C.
Nominal pressure: 10 bar.



R554E

PRODUCT CODE	SIZE		
R554EY001	1"	1	10

Safety unit for closed heating system.
It consists of: 551E brass bar, R88I automatic air vent with shut off valve, R140R relief valve, R225 pressure gauge 0÷4 bar, R608D filling valve.



R554F

PRODUCT CODE	SIZE		
R554FY001	1"	1	10

Safety unit for closed heating system.
It consists of: R551E brass bar, R88I automatic air vent with shut off valve, R140R relief valve, R225 pressure gauge 0÷4 bar.



R554P

PRODUCT CODE	SIZE		
R554PY005	1"	1	10

Safety valve unit with provision for pressure switch, for sealed heating system, furnace power up to 35 KW.

It consists of: R551E brass body, R88I automatic air vent with shut off valve, R140R pressure relief valve 3 bar, R225 pressure gauge 0÷4 bar, 1/4" connection for switch.



R141

PRODUCT CODE	SIZE		
R141Y003	1/2" x 1/2"	4	40
R141Y014	3/4" x 3/4"	5	50
R141Y015	1" x 1"	5	50
R141Y016	1 1/4" x 1 1/4"	2	20
R141Y017	1 1/2" x 1 1/2"	2	20

Brass relief funnel.



R141C

PRODUCT CODE	SIZE		
R141CY004	3/4" x 3/4"	1	20
R141CY005	1" x 1"	1	20
R141CY006	1 1/4" x 1 1/4"	1	10

90° elbow brass relief funnel.



K373I

PRODUCT CODE	SIZE		
K373Y013	-	1	-
K373Y021	1/2"M	1	-
K373Y022	1/2"M	1	-
K373Y023	1/2"M	1	-

Safety thermostat INAIL approved.

INFO

K373Y013: contact regulation thermostat.
Temperature regulation: 20÷90 °C.

K373Y021: immersion regulation thermostat.
Temperature regulation: 0÷90 °C.
Max. working pressure: 10 bar.
Bulb length: 97 mm. Housing (included): 1/2"NPT-M; length 100 mm.

K373Y022: immersion safety and regulation bi-thermostat, with manual reset.
Temperature regulation: 0÷90 °C.
Safety limitation: factory set 100 °C.
Max. working pressure: 10 bar.
Bulb length: 97 mm.
Housing (included): 1/2"NPT-M; length 100 mm.

K373Y023: immersion safety thermostat, with manual reset.
Safety limitation: factory set 100 °C.
Max. working pressure: 10 bar.
Bulb length: 97 mm.
Housing (included): G 1/2"M; length 100 mm.

K373Y013



K373Y021



K373Y022



K373Y023



K374

PRODUCT CODE	SIZE		
K374Y001	1/4" - Pmax 5 bar - Tmax 110 °C	1	-
K374Y002	1/4" - Pmax 5 bar - Tmax 110 °C	1	-
K374Y003	1/4" - Pmax 5 bar - Tmax 55 °C	1	-
K374Y004	1/4" - Pmax 5 bar - Tmax 55 °C	1	-

Pressure switch.

INFO

K374Y001: safety pressure switch with manual reset.
Regulation range: 2-4,5 bar.
Pressure of intervention: 3 bar (factory set).

K374Y002: minimal pressure switch with manual reset.
Regulation range: 0,5-1,7 bar.
Pressure of intervention: 0,9 bar (factory set).

K374Y003: regulation pressure switch for autoclaves.
Regulation range: 1-5 bar.
Pressure of intervention: 1,4-2,8 bar (factory set).

K374Y004: regulation pressure switch for autoclaves.
Regulation range: 3-12 bar.
Pressure of intervention: 5-7 bar (factory set).

K374Y001 - K374Y002



K374Y003 - K374Y004



K500

PRODUCT CODE	SIZE		
K500Y002	1"	1	15

Flow switch for pipes from DN25 to DN200.

Protection degree: IP65

Max. working pressure: 10 bar

Max. working temperature: 110 °C.



R227

PRODUCT CODE	SIZE		
R227Y001	1/2" - Length 45 mm	1	250
R227Y010	1/2" - Length 100 mm	1	15

Thermometer brass housing.



R228I

PRODUCT CODE	SIZE		
R228IY001	1/4"	1	5
R228IY002	3/8"	1	5
R228IY003	1/2"	1	5

3-way pressure gauge holder cock.

Compliance with INAIL.



R228A

PRODUCT CODE	SIZE		
R228AY001	1/4"	1	-
R228AY002	3/8"	1	-
R228AY003	1/2"	1	-

Damper for the protection of pressure gauge. To be used in combination with R225I and R228I.



R225I

PRODUCT CODE	SIZE		
R225IY004	1/4" 0÷6 bar	1	-
R225IY005	1/4" 0÷6 bar	1	-
R225IY006	1/4" 0÷10 bar	1	-
R225IY007	1/4" 0÷10 bar	1	-
R225IY009	3/8" 0÷4 bar	1	-
R225IY010	3/8" 0÷6 bar	1	-
R225IY011	3/8" 0÷10 bar	1	-

Pressure gauge in compliance with INAIL.

INFO

R225IY004: back connection.
R225IY005: radial connection.
R225IY006: radial connection.
R225IY007: back connection.
R225IY009: radial connection.
R225IY010: radial connection.
R225IY011: radial connection.



R540I

PRODUCT CODE	SIZE		
R540IY001	1/2"	1	-
R540IY002	1/2"	1	-
R540IY003	1/2"	1	-

Thermometer, scale 0÷120 °C, in compliance with INAIL.

INFO

R540IY001:
50 mm thermometer housing, back connection.
R540IY002:
100 mm thermometer housing, back connection.
R540IY003:
50 mm thermometer housing, radial connection.



R540

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

Thermometer, back connection.



R226

PRODUCT CODE	SIZE		
R226Y001	1/2" 0÷4 bar	1	50
R226Y002	1/2" 0÷6 bar	1	50

Thermometer/pressure gauge.
Temperature scale: 20÷120 °C.
Pressure scale: 0÷4 bar or 0÷6 bar.



R150M

PRODUCT CODE	SIZE		
R150MY003	1/2" - with manometer	1	10
R150MY013	1/2" - without manometer	1	10

Automatic filling unit for installation on water addition pipes of closed-circuit heating/cooling systems.
Possibility to preset the system fluid pressure.
Removable cartridge and filter for easy cleaning and maintenance.
Anti-limestone function and compensated housing pressure adjustment.
Connections: inlet 1/2" M with tail piece; outlet 1/2" F; pressure gauge: 1/4" F.



WARNING We recommend installing an interception valve before the filling group to clean and service of the cartridge and filter.

R150B

PRODUCT CODE	SIZE		
R150BY103	1/2"	1	25

Female x male filling valve, plastic coated tail piece.



R150

PRODUCT CODE	SIZE		
R150Y103	1/2"	1	25

Female x female filling valve.



Water controls

R153M

PRODUCT CODE	SIZE		
R153MY003	1/2"	1	-
R153MY004	3/4"	1	-
R153MY005	1"	1	-
R153MY006	1 1/4"	1	-
R153MY007	1 1/2"	1	-
R153MY008	2"	1	-

Diaphragm pressure reducer, PN25, female-female connections. With Rp 1/4"F connection for pressure gauge.



R153MK

PRODUCT CODE	SIZE		
R153MY103	1/2"	1	10
R153MY104	3/4"	1	10
R153MY105	1"	1	6

Diaphragm pressure reducer, PN25, tail pieces male connections. With pressure gauge, scale 0÷10 bar.



R153C

PRODUCT CODE	SIZE		
R153CX003	1/2"	1	-
R153CX004	3/4"	1	-

Piston pressure reducer, PN16, female-female connections. With Rp 1/4"F connection for pressure gauge.



R153P

PRODUCT CODE	SIZE		
R153PX003	1/2"	1	-
R153PX004	3/4"	1	-
R153PX005	1"	1	-
R153PX006	1 1/4"	1	-
R153PX007	1 1/2"	1	-
R153PX008	2"	1	-

Piston pressure reducer, PN25, female-female connections. With Rp 1/4"F connection for pressure gauge.



R156

PRODUCT CODE	SIZE		
R156X004	3/4" - Kv 2,0	1	25
R156X005	1" - Kv 2,2	1	25

Thermostatic mixer for use in domestic water systems, chrome plated brass, female-female connections. Temperature range: 38÷60 °C.



R156-1

PRODUCT CODE	SIZE		
R156X024	3/4" - Kv 1,8	1	10
R156X025	1" - Kv 2,0	1	10

Thermostatic mixer for use in domestic water systems, chrome plated brass, tail pieces male connections. Temperature range: 38÷60 °C.



R156-2

PRODUCT CODE	SIZE		
R156Y223	1/2" - Kv 1,3	1	10
R156Y224	3/4" - Kv 1,4	1	10
R156Y225	1" - Kv 5,0	1	10
R156Y226	1 1/4" - Kv 5,8	1	8
R156Y227	1 1/2" - kv 11,0	1	5
R156Y228	2" - Kv 12,0	1	5

Thermostatic mixer for use in domestic water systems, brass finish, tail pieces male connections. With anti-scalding function. Temperature range: 30÷65 °C.



R158A

PRODUCT CODE	SIZE		
R158AY004	3/4"	1	-

Temperature limiter for heating and/or domestic hot water systems. Automatically controls the temperature of the water flowing through the valve and ensures thermal balance throughout the hydraulic system. Adjustment range: 35÷65 °C.



R225

PRODUCT CODE	SIZE		
R225Y001	1/4" 0÷6 bar	1	100
R225Y002	1/4" 0÷10 bar	1	100
R225Y012	1/4" 0÷10 bar	1	100

Pressure gauge, 1/4" connection. Accuracy class according with EN 837-1: 1,6.

INFO

R225Y001, R225Y002: back connection
R225Y003: radial connection



➤ Components for biomass systems

R157A

1" CONNECTIONS

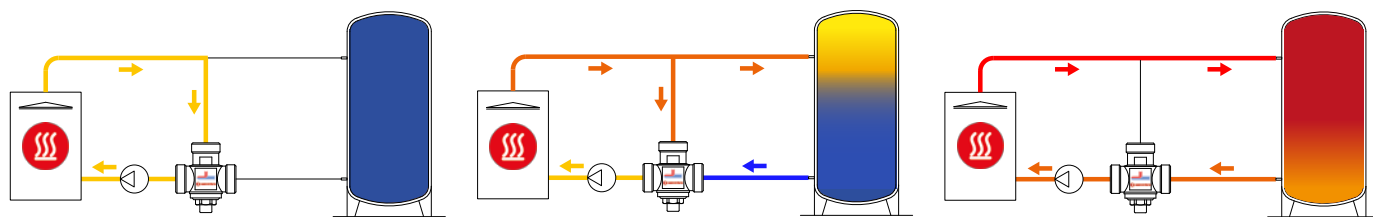
PRODUCT CODE	SIZE		
R157AY051	1" (45 °C)	1	-
R157AY052	1" (55 °C)	1	-
R157AY053	1" (60 °C)	1	-
R157AY054	1" (70 °C)	1	-

1 1/4" CONNECTIONS

PRODUCT CODE	SIZE		
R157AY061	1 1/4" (45 °C)	1	-
R157AY062	1 1/4" (55 °C)	1	-
R157AY063	1 1/4" (60 °C)	1	-
R157AY064	1 1/4" (70 °C)	1	-



Anti-condensation valve for solid fuel boilers.
Temperature range: 5÷100 °C.
Max. working pressure: 10 bar.
Valves with 1" connections: Kv 3,2 - DN25
Valves with 1 1/4" connections: Kv 9 - DN32



R144ST

PRODUCT CODE	SIZE		
R144SY001	3/4"	1	-

Thermal safety discharge valve, with dual safety sensor. Complete with remote probe with housing and 1/2"M connection.
Capillary pipe 1300 mm length.
Temperature range: 92÷112 °C.
Calibration temperature: 95 °C
Max. working pressure: 10 bar.

ⓘ INFO

WARNING: PRODUCT INSTALLATION IN ELECTRICAL OR ELECTRONIC EQUIPMENT (EEE)
The product can be installed only if the EEE - Electrical and/or Electronic Equipment - is excluded or not falling within the scope of Directive 2011/65/EU according to the provisions at point e) of par. 4 of art. 2 of the Directive itself, as a product intended for large fixed installations.



R140PT-1

PRODUCT CODE	SIZE		
R140PX028	1/2" x Ø 15 mm (10 bar)	1	-
R140PX038	3/4" x Ø 22 mm (10 bar)	1	-

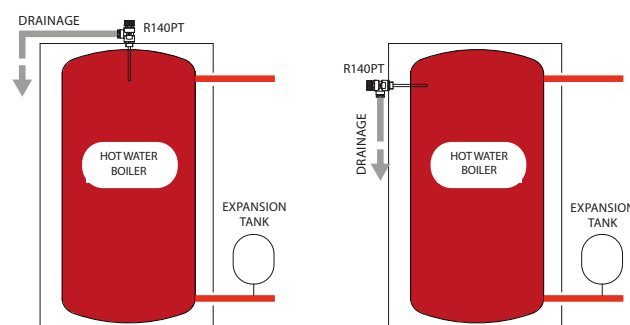
Combined temperature and pressure safety valve, male connections. Use with hot/cold water for solar thermal systems.
Calibration temperature: 100°C.
Calibration pressure: 10 bar.
Nominal pressure: 10 bar.



R140PT

PRODUCT CODE	SIZE		
R140PY021	1/2" x Ø15 mm (4 bar)	1	-
R140PY026	1/2" x Ø15 mm (7 bar)	1	-
R140PY031	3/4" x Ø22 mm (4 bar)	1	-

Combined temperature and pressure safety valve, male connections. Use with hot/cold water. Calibration settings:
- Temperature: 90°C
- Pressure: 4 and 7 bar
(depending on versions)
Nominal pressure: 10 bar.



R158

PRODUCT CODE	SIZE		
R158Y001	3/4"	1	-

Draught regulator for delivery water temperature control in solid fuel boilers.



➤ Backflows, filters, check valves

R626

THREADED CONNECTION

PRODUCT CODE	SIZE		
R626Y003	1/2"	1	-
R626Y004	3/4"	1	-
R626Y005	1"	1	-
R626Y006	1 1/4"	1	-
R626Y007	1 1/2"	1	-
R626Y008	2"	1	-

FLANGED CONNECTION

PRODUCT CODE	SIZE		
R626Y106	DN65	1	-
R626Y108	DN80	1	-
R626Y110	DN100	1	-
R626Y115	DN150	1	-

Dual-check backflow preventer with controlled reduced pressure zone. BA type. Protection against fluids of categories 1, 2, 3, 4 (in accordance with UNI EN 1717).



R623

PRODUCT CODE	SIZE		
R623Y004	3/4"	1	25
R623Y005	1"	1	25

Dual-check backflow preventer. ED type (in accordance with UNI EN 1717).



R624

PRODUCT CODE	SIZE		
R624Y003	1/2" - drain 1/2"F	1	20
R624Y004	3/4" - drain 1/2"F	1	25

Dual-check backflow preventer with non-controlled reduced pressure zone. CA type. Protection against fluids of categories 1, 2, 3 (in accordance with UNI EN 1717).



R74A

NOT MAGNETIZABLE VERSION

PRODUCT CODE	SIZE		
R74AY009	2 1/2"	1	9
R74AY010	3"	1	6
R74AY011	4"	1	2

MAGNETIZABLE VERSION

PRODUCT CODE	SIZE		
R74AY103	1/2"	1	10
R74AY104	3/4"	1	5
R74AY105	1"	1	5
R74AY106	1 1/4"	1	4
R74AY107	1 1/2"	1	4
R74AY108	2"	1	2

Y-filter, brass finishing.

① INFO

P74MY001: for R74A and R74M filters of 1/2" and 3/4".
P74MY002: for R74A and R74M filters of 1" and 1 1/4".
P74MY003: for R74A and R74M filters of 1 1/2" and 2".



R74M

PRODUCT CODE	SIZE		
R74MY003	1/2"	1	10
R74MY004	3/4"	1	5
R74MY005	1"	1	5
R74MY006	1 1/4"	1	4
R74MY007	1 1/2"	1	4
R74MY008	2"	1	2

Magnetic Y-filter, brass finishing.
Max. working temperature: 90 °C.
Max. working pressure: 30 bar.



P74M

PRODUCT CODE	SIZE		
P74MY001	1/2", 3/4" - Length 29 mm	1	-
P74MY002	1", 1 1/4" - Length 44 mm	1	-
P74MY003	1 1/2", 2" - Length 55 mm	1	-

Magnetic kit for R74A and R74M filters.

① INFO

P74MY001: for R74A and R74M filters of 1/2" and 3/4".
P74MY002: for R74A and R74M filters of 1" and 1 1/4".
P74MY003: for R74A and R74M filters of 1 1/2" and 2".



R60

PLATE IN POLYMERIC MATERIAL

PRODUCT CODE	SIZE		
R60Y002	3/8"	1	-
R60Y003	1/2"	1	-
R60Y004	3/4"	1	-
R60Y005	1"	1	-
R60Y006	1 1/4"	1	-
R60Y007	1 1/2"	1	-
R60Y008	2"	1	-
R60Y009	2 1/2"	1	-
R60Y010	3"	1	-
R60Y011	4"	1	-

PLATE IN METALLIC MATERIAL

PRODUCT CODE	SIZE		
R60Y032	3/8"	1	-
R60Y033	1/2"	1	-
R60Y034	3/4"	1	-
R60Y035	1"	1	-
R60Y036	1 1/4"	1	-
R60Y037	1 1/2"	1	-
R60Y038	2"	1	-
R60Y039	2 1/2"	1	-
R60Y040	3"	1	-
R60Y041	4"	1	-

Disc check valve, brass finish. Temperature range: 5÷95 °C (110 °C for peaks).

① INFO

Plate in polymeric material:
16 bar (from 3/8" to 1")
10 bar (from 1 1/4" to 2")
8 bar (from 2 1/2" to 4")

Plate in metallic material:
35 bar (from 3/8" to 1")
25 bar (from 1 1/4" to 2")
12 bar (from 2 1/2" to 4")



R701F

UNI EN 12165 CW617N BRASS

PRODUCT CODE	SIZE		
R701FY023	G 1/2"F	1	25
R701FY024	G 3/4"F	1	25
R701FY025	G 1"F	1	14

UNI EN 12165 CW602N BRASS "DZR"

PRODUCT CODE	SIZE		
R701FY112	Rc 3/8"	1	25
R701FY113	Rc 1/2"	1	25
R701FY114	Rc 3/4"	1	25
R701FY115	Rc 1"	1	14

Ball valve with built-in filter, female-female threaded connections. Brass finishing. Full port. Red T-handle (water use).



N5

PRODUCT CODE	SIZE		
N5Y003	1/2"	1	-
N5Y004	3/4"	1	-
N5Y005	1"	1	-
N5Y006	1 1/4"	1	-
N5Y007	1 1/2"	1	-
N5Y008	2"	1	-
N5Y009	2 1/2"	1	-
N5Y010	3"	1	-
N5Y011	4"	1	-

Clapper check valve, neoprene seat, brass finish.



N6

PRODUCT CODE	SIZE		
N6Y003	1/2"	1	-
N6Y004	3/4"	1	-
N6Y005	1"	1	-
N6Y006	1 1/4"	1	-
N6Y007	1 1/2"	1	-
N6Y008	2"	1	-
N6Y009	2 1/2"	1	-
N6Y010	3"	1	-

Clapper check valve, metal seat, brass finish.



P36S

FOR R74A NOT MAGNETIZABLE

PRODUCT CODE	SIZE		
P36SY003	1/2"	1	-
P36SY004	3/4"	1	-
P36SY005	1"	1	-
P36SY006	1 1/4"	1	-
P36SY007	1 1/2"	1	-
P36SY008	2"	1	-
P36SY009	2 1/2"	1	-
P36SY010	3"	1	-
P36SY011	4"	1	-

FOR R74A MAGNETIZABLE AND R74M

PRODUCT CODE	SIZE		
P36SY103	1/2"	1	-
P36SY104	3/4"	1	-
P36SY105	1"	1	-
P36SY106	1 1/4"	1	-
P36SY107	1 1/2"	1	-
P36SY108	2"	1	-

Filter cartridge for R74A and R74M filters.



P36-1



PRODUCT CODE	SIZE		
P36Y013	G 1/2"F	12	300
P36Y014	G 3/4"F	10	250
P36Y015	G 1"F	8	200

Filter cartridge for R701F valves.



Gate valves



R55

PRODUCT CODE	SIZE		
R55Y002	3/8"	10	50
R55Y003	1/2"	10	50
R55Y004	3/4"	5	50
R55Y005	1"	4	20
R55Y006	1 1/4"	5	30
R55Y007	1 1/2"	3	18
R55Y008	2"	-	-
R55Y009	2 1/2"	1	6
R55Y010	3"	1	3
R55Y012	4"	1	2

Brass gate valve, female-female connections.





R54

PRODUCT CODE	SIZE		
R54Y004	3/4"	5	50
R54Y005	1"	4	20
R54Y006	1 1/4"	5	30

Brass gate valve, female-male connections.





R230

PRODUCT CODE	SIZE		
R230Y005	Ø22	5	50
R230Y006	Ø28	4	20

Brass gate valve, welding connections.



P22C

PRODUCT CODE	SIZE		
P22CY001	3/8" - 1/2"	1	-
P22CY002	3/4" - 1"	1	-
P22CY003	1 1/4"	1	-
P22CY004	1 1/2"	1	-
P22CY005	2"	1	-
P22CY008	2 1/2" - 3"	1	-

Red handwheel for R54, R55, R230 gate valves.



Automatic air vent valves



R88

PRODUCT CODE	SIZE		
R88Y001	1/4"	1	100
R88Y002	3/8"	1	100

Automatic air vent valve, brass finish.



R99I

PRODUCT CODE	SIZE		
R99IY002	3/8"	1	1
R99IY003	1/2"	1	50

Automatic air vent valve, with shut-off valve, brass finish.





R88I

PRODUCT CODE	SIZE		
R88IY002	3/8"	1	100
R88IY003	1/2"	1	100

Automatic air vent valve, with shut-off valve, brass finish.



R160

PRODUCT CODE	SIZE		
R160Y001	1/4" x 3/8"	1	1.000
R160Y002	1/4" x 1/2"	1	500

Shut-off valve for automatic air vent valves.





R99

PRODUCT CODE	SIZE		
R99Y001	1/4"	1	50
R99Y002	3/8"	1	50
R99Y003	1/2"	1	50

Automatic air vent valve, brass finish.



R99S



PRODUCT CODE	SIZE		
R99SY003	1/2" - with shut-off valve	1	10
R99SY013	1/2" - without shut-off valve	1	-

Automatic air vent valve for solar thermal systems with shut-off valve included.



Accessories for circulators



R252

PRODUCT CODE	SIZE		
R252Y001	1"F x 1 1/2"F nut	2	50
R252Y002	1 1/4"F x 2"F nut	2	20
R252Y003	Ø22 x 1 1/2"F nut	2	50
R252Y004	Ø28 x 1 1/2"F nut	2	50



Ball valve, with female-female threaded connections with nut and gasket or with compression-female threaded connections with nut and gasket, for the connection of circulator or mixing valve. Brass finishing. Standard port. Screwdriver bonnet handle (water use). For opening and closing operations use a screwdriver or a 5 mm Allen wrench.

R37K

PRODUCT CODE	SIZE		
R37KY003	1" x 1/2"	30	-
R37KY004	1 1/4" x 3/4"	25	-
R37KY005	1 1/2" x 1"	25	-
R37KY006	2" x 1 1/4"	10	-



Pair of flat-seat tail pieces with nuts and gaskets.



R39

PRODUCT CODE	SIZE		
R39Y001	1 1/2" x 1"	2	50



Check valve.



R197

PRODUCT CODE	SIZE		
R197Y001	130 mm	1	50
R197Y002	180 mm	1	36



Threaded male fitting spacer for circulator.



R197M

PRODUCT CODE	SIZE		
R197MY001	130 mm	1	10
R197MY002	180 mm	1	10



Unit consisting of: threaded male fitting R197 size 1 1/2", shut-off circulator valve R252 1 1/2" x 1".



R182AM

PRODUCT CODE	SIZE		
R182MY002	1 1/4"	1	10



Unit consisting of: angle fitting R19D 1 1/4", Tee fitting R182A 1 1/4" x 1" x 35.

R285L

PRODUCT CODE	SIZE		
R285LY001	1"F x 1 1/2" nut connection	4	40
R285LY003	1 1/4"F x 2" nut connection	4	20





Ball valve, with female threaded connection-connection for nut, specific for circulator connection. Brass finishing. Standard port. Red lever handle (water use).

① INFO

To be completed with P18LY007 (1 1/2") or P18LY009 (2") nut. Possibility to install the R288 check valve inside the valve.

R285

PRODUCT CODE	SIZE		
R285Y001	1"F x 1 1/2" nut connection	4	40
R285Y002	1 1/4"F x 1 1/2" nut connection	4	20
R285Y003	1 1/4"F x 2" nut connection	4	20



Ball valve, with female threaded connection-connection for nut, specific for circulator connection. Brass finishing. Standard port. Red T-handle (water use).

① INFO

To be completed with P18LY007 (1 1/2") or P18LY009 (2") nut. Possibility to install the R288 check valve inside the valve.

P18L

PRODUCT CODE	SIZE		
P18LY007	1 1/2" for R252, R285, R285L	1	20
P18LY009	2" - for R252, R285, R285L	1	20



Brass nut, female thread.

R284

PRODUCT CODE	SIZE		
R284Y001	3/4"	1	20



Differential valve with 3/4" female connections, complete with 18 mm copper pipe and compression fitting for connection to R287 valve.

R284M

PRODUCT CODE	SIZE		
R284MY001	1" x 1 1/2"	1	10

Valve set for by-pass with differential valve and N.2 special ball valves and thermometers.



R287

PRODUCT CODE	SIZE		
R287Y005	1"F x 1 1/2"F nut	4	20

Ball valve, with female-female nut threaded connections, specific for circulator connection, with additional connections for thermometers or other optional components. Brass finishing. Standard port. Red T-handle (water use).



R287M

PRODUCT CODE	SIZE		
R287MY005	1"F x 1 1/2"F nut	1	10

Couple of ball valves, with female-female nut connections, specific for circulator connection, with thermometers (R540 series), check valves (R288), plugs (R92). Brass finishing. Standard port. Red and blue T-handles (water use).



Oil system components

N1

NYLON GLASS AND INOX FILTER

PRODUCT CODE	SIZE		
N1UY001	3/8"MM	1	20
N1Y001	3/8"FF	1	20

Oil filter with shut-off cock, check valve and bracket. Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.



N3

PRODUCT CODE	SIZE		
N3Y001	3/8"FF	1	25

Oil filter.
Nylon glass and inox filter.



N1UB

PRODUCT CODE	SIZE		
N1UBY001	3/8"MM	1	20

Oil filter with shut-off cock, recirculation, check valve and bracket. Nylon glass and inox filter.
Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.



INFO

N1UBY002: brass ferrule.

N10

PRODUCT CODE	SIZE		
N10Y002	3/8"	1	200
N10Y003	1/2"	1	100

Check valve for tank.



N2

PRODUCT CODE	SIZE		
N2Y001	3/8"FF	1	20

Oil filter with shut-off cock.
Nylon glass and inox filter.



N12

PRODUCT CODE	SIZE		
N12Y005	1" x (8-10-12)	1	100

Double connection for oil tank. 45° connections. With stuffing box for copper pipe.



N14

PRODUCT CODE	SIZE		
N14Y001	2" x 2"	1	50

Tank plug with female connection.



N17

PRODUCT CODE	SIZE		
N17Y002	3/8"	10	100
N17Y003	1/2"	10	100

Shut-off emergency valve.



N15

PRODUCT CODE	SIZE		
N15Y005	1"	1	150
N15Y006	1 1/4"	1	100
N15Y007	1 1/2"	1	50
N15Y008	2"	1	50

Air vent valve for tank.



P36

PRODUCT CODE	SIZE		
P36Y001	-	1	-

Filter insert stainless for N1, N2, N3.



N16-1

PRODUCT CODE	SIZE		
N16KY001	2" x (8-10-12) x 1700 mm	1	10
N16KY002	2" x (8-10-12) x 2200 mm	1	10
N16KY003	2" x (8-10-12) x 3200 mm	1	10

Emergency valve complete with flexible suction pipe and level gauge connection. Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.



① INFO

WARNING: PRODUCT INSTALLATION IN ELECTRICAL OR ELECTRONIC EQUIPMENT (EEE)
The product can be installed only if the EEE - Electrical and/or Electronic Equipment - is excluded or not falling within the scope of Directive 2011/65/EU according to the provisions at point e) of par. 4 of art. 2 of the Directive itself, as a product intended for large fixed installations.

P78T

PRODUCT CODE	SIZE		
P78TY001	N1	1	-
P78TY002	N2-N3	1	-

Transparent filter cup.



N16-2

PRODUCT CODE	SIZE		
N16GY001	1" x (8-10-12) x 1700 mm	1	10
N16GY002	1" x (8-10-12) x 2200 mm	1	10
N16GY003	1" x (8-10-12) x 3200 mm	1	10

Emergency valve complete with flexible suction pipe. Equipped with nylon ferrules of 8 mm, 10 mm, 12 mm and brass nuts.



① INFO

WARNING: PRODUCT INSTALLATION IN ELECTRICAL OR ELECTRONIC EQUIPMENT (EEE)
The product can be installed only if the EEE - Electrical and/or Electronic Equipment - is excluded or not falling within the scope of Directive 2011/65/EU according to the provisions at point e) of par. 4 of art. 2 of the Directive itself, as a product intended for large fixed installations.

Solar thermal systems components

R586S-O

PRODUCT CODE	SIZE		
R586SY002	3/4"	1	-

Single-way circulation unit for solar thermal systems, with safety group and mechanical flow meter. Circulator ErP compliance. To be coupled with KTD electronic unit.



R586S

PRODUCT CODE	SIZE		
R586SY001	3/4"	1	-

Two-way circulation unit for solar thermal systems, with safety group and mechanical flow meter. Circulator ErP compliance. To be coupled with KTD electronic unit.



P586S

PRODUCT CODE	SIZE		
P586SY001	-	1	50
P586SY002	-	1	10
P586SY003	-	1	20
P586SY004	-	1	10
P586SY005	-	1	20
P586SY007	-	1	20
P586SY008	-	1	-

Spare parts for R586S-1 circulation units.

INFO

P586SY001: flow meter for R586S with 2÷12 l/min
P586SY002: flow meter unit plus probe for R586S.
P586SY003: valve body R586S 1/2" (3/4"F) for system filling.
P586SY004: return valve for R586S 3/4".
P586SY005: delivery valve for R586S 3/4".
P586SY006: safety fitting R586S 1/2"xMx3/4"M.
P586SY007: air separator for R586S 1 1/2"x1/2".
P586SY008: R252 1 1/2"xØ22 (for solar system).



KTD

PRODUCT CODE	SIZE		
KTD3Y003	3 probes	1	-
KTD5Y006	6 probes	1	-

Electronic unit for the control of the differential temperatures in solar thermal systems.
PT1000 temperature probes included.



KTDP

PRODUCT CODE	SIZE		
KTDPY001	-	1	-

Protection device against overvoltage, for KTD electronic unit.



KTDS

PRODUCT CODE	SIZE		
KTDSY001	-	1	-

PT1000 (180 °C) probe, for KTD electronic unit.



GS556

PRODUCT CODE	SIZE		
GS556Y001	-	1	-

Domestic hot water unit for solar thermal systems.
67 kW @ 70 °C.



R140C

PRODUCT CODE	SIZE		
R140CY006	1/2" x 3/4" - 4 bar	1	30
R140CY009	1/2" x 3/4" - 6 bar	1	30

Membrane safety valve for solar thermal systems, female-female connections.
Use with hot water or glycol solutions (max. 50 %).
Temperature range: 5÷160 °C.
Nominal pressure: 10 bar.



R99S

PRODUCT CODE	SIZE		
R99SY003	1/2" - with shut-off valve	1	10

Automatic air vent valve for solar thermal systems with shut-off valve included.



R227-1

PRODUCT CODE	SIZE		
R227Y003	1/2" x 6 mm	25	250

Probe housing.



R20SC

PRODUCT CODE	SIZE		
R20SCY004	3/4"	10	100

Straight fitting in three pieces, male-male threaded for connection to the manifolds.



R182

PRODUCT CODE	SIZE		
R182Y006	3/4"F x 3/4"F x 3/4"M	5	50

Tee fitting, to install the R99S automatic air vent valve on solar panels.



310

PRODUCT CODE	SIZE		
310Y004	15 x 15	20	200
310Y010	18 x 18	10	100
310Y006	22 x 22	10	100
310Y007	28 x 28	10	100

Straight fitting for copper pipe.
With metallic seal. Suitable for solar thermal systems.
In compliance with EN1254-2 standard.



311

PRODUCT CODE	SIZE		
311Y001	1/2" x 15	25	250
311Y010	1/2" x 18	20	200
311Y011	3/4" x 18	20	200
311Y003	3/4" x 22	10	100
311Y005	1" x 28	10	100

Straight fitting male thread, for copper pipe.
With metallic seal. Suitable for solar thermal systems.
In compliance with EN1254-2 standard.



312

PRODUCT CODE	SIZE		
312Y001	1/2" x 15	25	250
312Y010	1/2" x 18	20	200
312Y011	3/4" x 18	10	100
312Y003	3/4" x 22	10	100
312Y005	1" x 28	10	100

Straight fitting female thread, for copper pipe.
With metallic seal. Suitable for solar thermal systems.
In compliance with EN1254-2 standard.



315

PRODUCT CODE	SIZE		
315Y001	15 x 15	25	250
315Y010	18 x 18	10	100
315Y003	22 x 22	10	100
315Y004	28 x 28	5	50

Elbow fitting, for copper pipe.
With metallic seal. Suitable for solar thermal systems.
In compliance with EN1254-2 standard.



316

PRODUCT CODE	SIZE		
316Y001	G 1/2"M x Ø 15	25	250
316Y002	G 3/4"M x Ø 22	10	100
316Y004	G 1"M x Ø 28	10	100

Elbow fitting, male threaded, for copper pipe. With metallic seal. Suitable for solar thermal systems. In compliance with EN1254-2 standard.



317

PRODUCT CODE	SIZE		
317Y001	G 1/2"F x Ø 15	25	250
317Y002	G 3/4"F x Ø 22	10	100
317Y004	G 1"F x Ø 28	5	50

Elbow fitting, female threaded, for copper pipe. With metallic seal. Suitable for solar thermal systems. In compliance with EN1254-2 standard.



318

PRODUCT CODE	SIZE		
318Y001	15 x 15 x 15	10	100
318Y010	18 x 18 x 18	10	100
318Y006	22 x 22 x 22	5	50
318Y014	28 x 28 x 28	5	50

Tee fitting, for copper pipe.
With metallic seal. Suitable for solar thermal systems.
In compliance with EN1254-2 standard.



351

PRODUCT CODE	SIZE		
351Y001	Ø 15	50	500
351Y002	Ø 22	25	250
351Y003	Ø 28	10	100

End fitting (plug), for copper pipe.
With metallic seal. Suitable for solar thermal systems.
In compliance with EN1254-2 standard.



R189

PRODUCT CODE	SIZE		
R189Y004	3/4"	25	250
R189Y005	1"	20	200

Nipple with male-male threaded connections.



R564P

PRODUCT CODE	SIZE		
R564PY004	3/4"	1	25
R564PY005	1"	1	10

Tee fitting, flat seat male thread connections.

