

R60

Disc check valve



Water
Management



Energy
Management

Datasheet
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The R60 check valves are available with single direction function, thus preventing the return of pressurised fluid. They are ideally suited to use in domestic water systems, raised water systems, heating systems, boiler rooms (wall-mounted boilers, wood boilers, heat pumps), and in solar heating systems and industrial and agricultural systems in general.

The internal architecture of the valves renders a flawless seal, allowing them to be installed in any position.

Versions and product codes

PRODUCT CODE	SIZE	STOPPER
R60Y001	G 1/4"F	POM
R60Y002	G 3/8"F	
R60Y003	G 1/2"F	
R60Y004	G 3/4"F	
R60Y005	G 1"F	
R60Y006	G 1-1/4"F	
R60Y007	G 1-1/2"F	
R60Y008	G 2"F	
R60Y009	G 2-1/2"F	
R60Y010	G 3"F	
R60Y011	G 4"F	

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

► Technical data

Main technical data

- Fluids of use: water for HVAC systems (max. 30 % glycol), domestic hot water
- Working temperature range: 5÷95 °C
- Max. temperature for short periods of time: 110 °C
- Opening pressure: 0,02 bar
- Max. working pressure:

SIZE	POM STOPPER	BRASS STOPPER
From 1/4" to 1"	16 bar	35 bar
From 1-1/4" to 2"	10 bar	25 bar
From 2-1/2" to 4"	8 bar	12 bar

Materials

- Body: brass UNI EN 12165 - CW617N
- Stopper (according to version):
 - acetal copolymer (POM)
 - brass: UNI EN 12165 - CW614N (from 1/4" to 1/2")
 - brass: UNI EN 12165 - CW617N (from 3/4" to 4")
- Gasket: NBR
- Spring: stainless steel AISI 302

Kv

SIZE	Kv
G 1/4"F	1,3
G 3/8"F	2,7
G 1/2"F	4
G 3/4"F	8
G 1"F	10,3
G 1-1/4"F	18
G 1-1/2"F	24
G 2"F	40
G 2-1/2"F	60
G 3"F	90
G 4"F	170

► Installation

The R60 check valves can be fitted in any position, respecting the direction of flow indicated by the arrow printing on the valve body. The valves are fitted onto the piping using threaded connections, according to normal hydraulic practices.

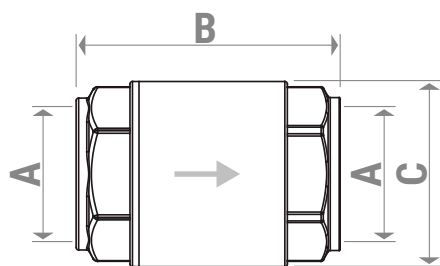
► Maintenance

Check the valve periodically, according to the working conditions and how often it is used.

Leaks from the seal gasket can be caused by build-up of deposits or foreign bodies.

In such cases, the valve must be removed from the system, and the gasket must be carefully cleaned, removing all impurities mechanically or with compressed air.

➤ Dimensions



SIZE A	B [mm]	C [mm]
G 1/4"F	45	29
G 3/8"F	45	29
G 1/2"F	48	30
G 3/4"F	53	37
G 1"F	59	44
G 1-1/4"F	66	56
G 1-1/2"F	71	63
G 2"F	80	78
G 2-1/2"F	93	104
G 3"F	104	121
G 4"F	119	156

➤ Product specifications

R60 - POM stopper

Disc check valve with plastic stopper. Fluids of use: water for HVAC systems (max. 30 % glycol), domestic hot water. Female threaded connection ISO 228. Body in brass UNI EN 12165 CW617N. Stopper in POM. Gasket in NBR. Spring in stainless steel AISI 302. Working temperature range: 5÷95 °C. Max. temperature for short periods of time: 110 °C. Max. working pressure 16 bar (3/8"÷1"); 10 bar (1 1/4"÷2"); 8 bar (2 1/2"÷4"). Opening pressure 0,02 bar.

R60 - brass stopper

Disc check valve with brass stopper. Fluids of use: water for HVAC systems (max. 30 % glycol), domestic hot water. Female threaded connection ISO 228. Body in brass UNI EN 12165 CW617N. Stopper in brass UNI EN 12165 - CW617N (from 1/4" to 1/2"); stopper in brass UNI EN 12165 - CW617N (from 3/4" to 4"). Gasket in NBR. Spring in stainless steel AISI 302. Working temperature range: 5÷95 °C. Max. temperature for short periods of time: 110 °C. Max. working pressure 35 bar (3/8"÷1"); 25 bar (1 1/4"÷2"); 12 bar (2 1/2"÷4"). Opening pressure 0,02 bar.

⚠ Safety Warning. Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

♻ Package Disposal. Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

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♻ Product Disposal. Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.