GIACOMINI WATER E-MOTION

	R60

Description

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	Shutter
R60Y002	3/8"	POM
R60Y003	1/2"	POM
R60Y004	3/4"	POM
R60Y005	1"	POM
R60Y006	1 1/4"	POM
R60Y007	1 1/2"	POM
R60Y008	2"	POM
R60Y009	2 1/2"	POM
R60Y010	3"	POM
R60Y011	4"	POM
R60Y032	3/8"	Brass
R60Y033	1/2"	Brass
R60Y034	3/4"	Brass
R60Y035	1"	Brass
R60Y036	1 1/4"	Brass
R60Y037	1 1/2"	Brass
R60Y038	2"	Brass
R60Y039	2 1/2"	Brass
R60Y040	3"	Brass
R60Y041	4"	Brass

Technical data

• Compatible fluids: water for heating systems, domestic hot water, water containing glycol (max. 30 % glycol)
• Connections: female threaded ISO 228
• Temperature range: 5÷95 °C (110 °C for occasional peaks)
• Opening pressure: 0,02 bar
• Max. working pressure:

Shutter in POM	Metal shutter
16 bar (from 3/8" to 1")	35 bar (from 3/8" to 1")
10 bar (from 1 1/4" to 2")	25 bar (from 1 1/4" to 2")
8 bar (from 2 1/2" to 4")	12 bar (from 2 1/2" to 4")

Materials

• Body: brass UNI EN 12165 - CW617N
• Gasket: NBR
• Spring: stainless steel AISI 302
• Shutter *(according to version)*: acetal copolymer (POM)
  brass: UNI EN 12165 - CW614N (3/8", 1/2")
  UNI EN 12165 - CW617N (3/4"÷4")

Values in Kv

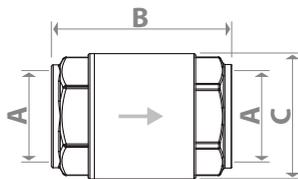| Size	Kv
3/8"	2,7
1/2"	4,0
3/4"	8,0
1"	10,3
1 1/4"	18,0
1 1/2"	24,0
2"	40,0
2 1/2"	60,0
3"	90,0
4"	170,0

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.

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Dimensions

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

Reference Standards

• Complies with D.M. 174

Product specifications

R60 - shutter in POM

Disc check valve with shutter in plastic material (POM). Compatible with water for heating systems, domestic hot water, water containing glycol (max. 30 % glycol). Female threaded connection ISO 228. Body in brass UNI EN 12165 CW617N. Gasket in NBR. Spring in stainless steel AISI 302. Temperature range: 5÷95 °C (110 °C for occasional peaks). 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 - shutter in brass

Disc check valve with brass shutter UNI EN 12165 CW614N (3/8", 1/2"); UNI EN 12165 CW617N (3/4"÷4"). Compatible with water for heating systems, domestic hot water, water containing glycol (max. 30 % glycol). Female threaded connection ISO 228. Body in brass UNI EN 12165 CW617N. Gasket in NBR. Spring in stainless steel AISI 302. Temperature range: 5÷95 °C (110 °C for occasional peaks). 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.