

Check valve art. VNR 01



When, for any reason, water pressure in a private system gets higher than the water mains', reverse flow may occur. Check valves VNR 01 are anti-pollution devices allowing water to flow through in only one direction. The check valve, when properly positioned between the public line and the private system, stops backflow, thus preventing direct contact between the two networks and the contamination of public supply water.

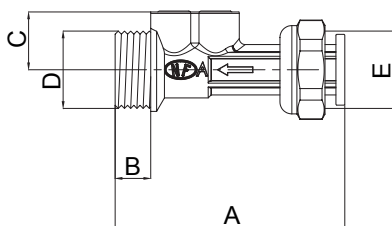
■ TECHNICAL FEATURES

Fluid: drinking water
 Max. working temperature: 120 °C
 Max. working pressure: 10 bar

■ MATERIALS

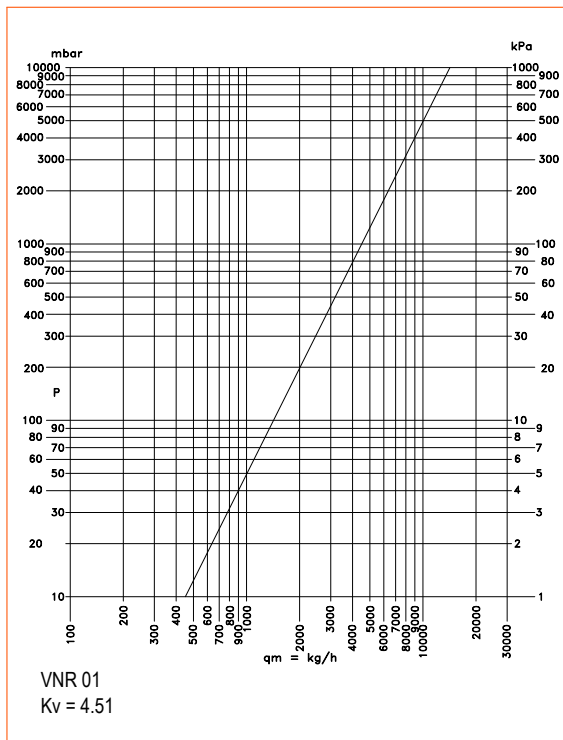
Brass parts: CW617N, natural surface
 Spring: stainless steel
 Plastic parts: POM
 Check valve o-ring: NBR

■ DIMENSIONS



COD.	A	B	C	D	E
500899	58	12	19.5	3/4" M	G 3/4" F
500900	77.5	12	19.5	3/4" M	G 3/4" F

■ HYDRAULIC FEATURES



■ OPERATING INSTRUCTIONS

Application

VNR 01 is a "Type EA" verifiable single check valve which permits water to flow from upstream to downstream but not in the reverse direction.

Maximum permissible fluid category against which a "Type EA" device is accepted as adequate backflow protection is fluid category 2, according to the definitions in EN 1717:2000 standard. Therefore, VNR 01 valve is suitable to the following fluid categories:

- Category 1: water intended for human consumption, directly coming from a drinking water installation.
- Category 2: fluid presenting no human health hazard as in category 1, whose aesthetic quality is impaired owing to a change in its temperature, taste, odour or appearance.

Installation

VNR 01 check valve should be installed downstream of a shut-off valve, so to make system isolation possible. VNR 01 valve should remain accessible during all its working life. Clean the pipeline carefully before VNR 01 installation.

Inspection

To inspect VNR 01 valve, the following procedure should be carried out:

1. Close all shut-off valves downstream of VNR 01 and both the test points on VNR 01;
2. Close the shut-off valve immediately upstream of VNR 01;
3. Open the first test point (1 in Fig. 1);

The water content indicated in blue in Fig. 1 should pour out of test point 1, then the flow should stop.

In case water flow does not stop, check the valve sealing and eventually consider to replace the valve. Point 2 in Fig. 1 can be used to

drain the system.

VNR 01 valve operation should be checked periodically.

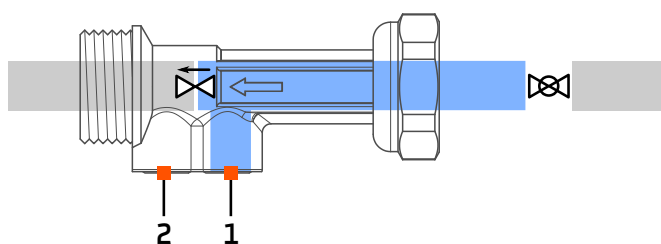


Fig. 1: VNR 01 installation layout.

■ CERTIFICATIONS



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