

Series 402AF

Silencing Check Valve

Size: Flange DN50-DN600

The Watts 402 Silent Check Valve is designed to protect against medium backflow. The valve is suitable for water supply and drainage systems, high-rise building pipe network, and widely used in the pipeline of pump discharge, HVAC, irrigation, commercial, industrial application.

Features

- Horizontal or vertical installation
- Low noise and reliable sealing
- Low head loss
- Effective protection against water hammer

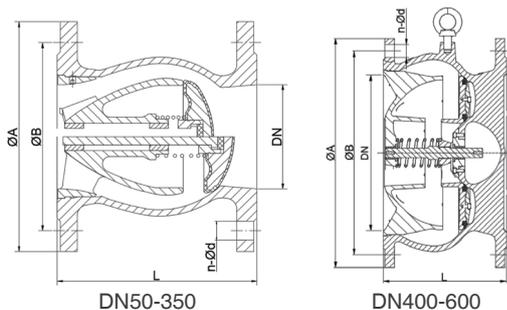
Operating Principle:

When the medium flows in the specified direction, the valve disc is opened by the force of the medium. When the medium flows in reverse, the valve disc is closed by the combined effect of its own weight, the reverse force of the medium, and the spring force, ensuring a tight seal between the valve disc and the valve seat, thus preventing backflow of the medium.

Material

Component	Material
Valve Body	Ductile iron
Valve Disc	Ductile iron/stainless steel
Valve Stem	Stainless steel
Seal Ring	EPDM
Spring	Stainless steel
Air Deflector	Ductile iron

Installation Dimensions



口径(DN)	L(mm)	φA	φB	n-φd
50	150	165	125	4-φ19
65	170	185	145	4-φ19
80	180	200	160	8-φ19
100	190	220	180	8-φ19
125	200	250	210	8-φ19
150	210	285	240	8-φ23
200	230	340	295	12-φ23
250	250	405	355	12-φ28
300	270	460	410	12-φ28
350	290	520	470	16-φ28
400	310	580	525	16-φ31
450	330	640	585	20-φ31
500	350	715	650	20-φ34
600	390	840	770	20-φ37



Specification

- Nominal diameter: DN50-DN600
- Maximum operating pressure: PN16
- Operating temperature: 0°C-80°C
- Liquid media: Water
- Connection standard: GB/T 17241.6-2008
- Test standard: GB/T 13927-2008

Typical Applications

- Water plant and water source engineering
- Environmental protection
- Municipal facilities
- Electricity and utilities
- Construction industry

Model Descriptions

1. Compare the rated parameters required by the equipment with the rated parameters indicated on the product to ensure that the product meets the required requirements;
2. The installation personnel must be well trained and experienced to ensure the smooth completion of the installation;
3. Thorough inspection is required after the installation to ensure that the installation is correct.
4. To avoid unexpected incidents during the installation, thorough cleaning of the pipeline system (using chemical agents if necessary) is required before installing the product, so as to ensure the cleanliness, and absence of rust and debris in the pipeline system. All filtration devices should be removed before flushing to ensure unobstructed flow in the pipeline;
5. It is recommended to install temporary pipelines at the equipment installation points during the initial system cleaning. The equipment can be installed onto the pipelines after flushing is completed;
6. Please avoid using this equipment in places where the medium contains excessive grease, mineral oil, or corrosive substances with high viscosity;
7. Use flanges that comply with the standards and secure them with corresponding bolts;
8. During installation, pay attention to aligning the flow direction of the medium with the direction indicated by the arrow on the valve body.