

Silent Check Valve (W-H41X-25C)

◆ Application:

The Watts W-H41X Silent Check Valve is designed to prevent medium backflow; it can automatically open and close the valve disc relying on the flow of medium itself. It's generally used in construction industry, water treatment, etc.



◆ Features:

1. Simple structure, low manufacturing cost;
2. Rely on the flow of medium itself to open and close the disc;
3. No noise.

◆ Operating Principles:

When media flow in a specified direction, the disc opens because of the media; when media back flow, the sealing faces of the disc and seat tightly fit because of the gravity of disc and the effect of backward force of media and spring force, realizing the purpose of preventing media backflow.

◆ Technical Specification:

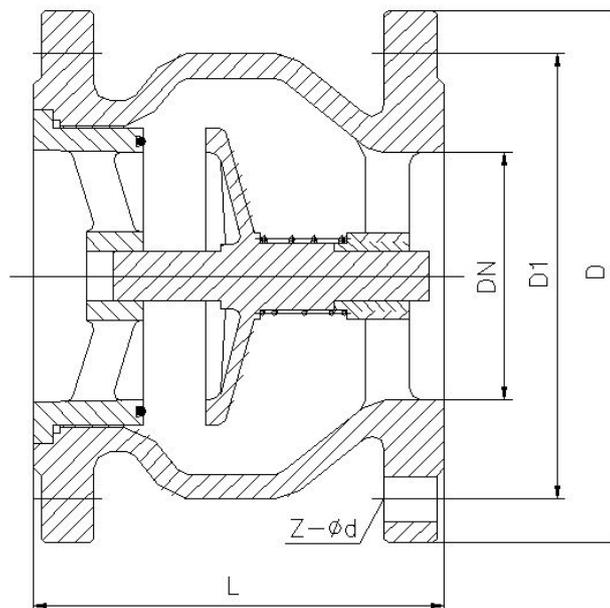
Nominal Diameter: DN50-DN600
 Nominal Pressure: PN25
 Working Temperature: 0°C ~ 80°C
 Fluid Medium: Water
 Test Standard: GB/T 13927-2008

◆ Material:

Part	Body	Disc	Sealing	Spring
Material	Carbon Steel with Spray Paint	Stainless Steel/ Carbon Steel	NBR	Stainless Steel

◆ Installation Dimensions:

Connection Dimension: GB/T 9113;



DN	L	D	D1	Z-Ød
50	120	165	125	4-Ø18
65	130	185	145	4-Ø18
80	150	200	160	8-Ø18
100	165	235	190	8-Ø22
125	190	270	220	8-Ø26
150	210	300	250	8-Ø26
200	255	360	310	8-Ø26
250	310	425	370	12-Ø30
300	320	485	430	12-Ø30
350	380	555	490	16-Ø33
400	405	620	550	16-Ø36
450	430	670	600	20-Ø36
500	450	730	660	20-Ø36
600	510	845	770	20-Ø39

◆ Typical Application:

1. Water plant and water source project;
2. Environmental protection;
3. Municipal facilities;
4. Electric power and utilities;
5. Construction industry.

◆ Installation Instructions:

- (1) The valve's rated parameters should match the equipment's. Make sure that the valve's rated flow satisfies the actual demand;
- (2) The installer must be trained or experienced so as to operate the installation correctly;
- (3) A thorough check after installation is needed to ensure no errors;
- (4) A thorough cleaning before installation is needed (chemical reagent can be applied if it is necessary) to ensure that there is not any rusting or dirt in the pipe. All the filters must be removed before washing to keep the pipe smoothly open;
- (5) When beginning to wash the system, it is suggested to install the valve on a temporary pipe. After finishing system cleaning, move the valve back and install it on the system's pipe;
- (6) Use flange and the corresponding bolts that meet the standard to connect the valve;
- (7) When installation, the direction of flow must accord with the direction of the arrow head on the valve body.