

Silent Check Valve (402)

◆ Application:

The Watts 402 Silent Check Valve is designed to realize automatic opening and closing the Disc, relying on the media itself flow. It is used to prevent the medium backflow, and also known as non-return valve, one-way valve and reflux valve. The valve is suitable for water supply and drainage systems, high-rise building pipe network, and widely used in the pipeline of pump discharge.



◆ Features:

1. Operates horizontally or vertically;
2. Minimum head loss;
3. Silent, reliable sealing, compact;
4. Exceptional robustness;
5. Does not generate hammering;
6. long back axial guiding for reduced displacement of disc;
7. Flange notch provided for cable to submerged pumps until DN 100.

◆ Working Principles:

When the media flow in accordance with the regulation direction, the disc is open by the role of media force; when the media back flow, due to the back spring force of disc and the reverse force of media, the valve seat and sealing surface fit closely and close. The valve sealing surface adopts rubber seal, thus achieve the goal of noise elimination and prevent media counter-current.

◆ Technical Parameters:

Nominal Diameter: DN50~DN300

Nominal Pressure: PN16

Working Temperature: -10~100°C

Working Medium: Water

Connection Type: Flange

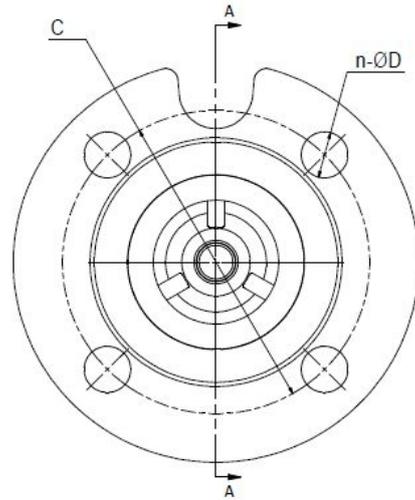
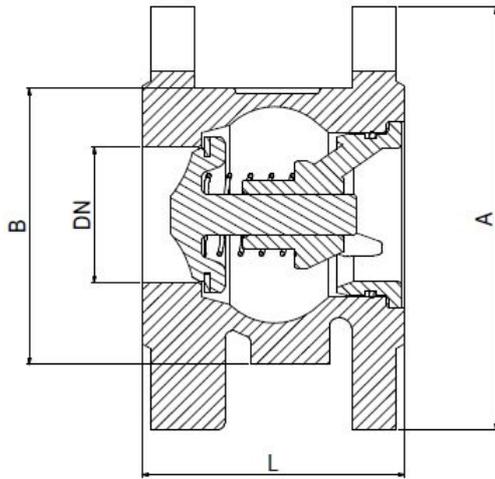
Connection Standard: GB/T 17241.6-2008

Test Standard: GB/T 13927-2008

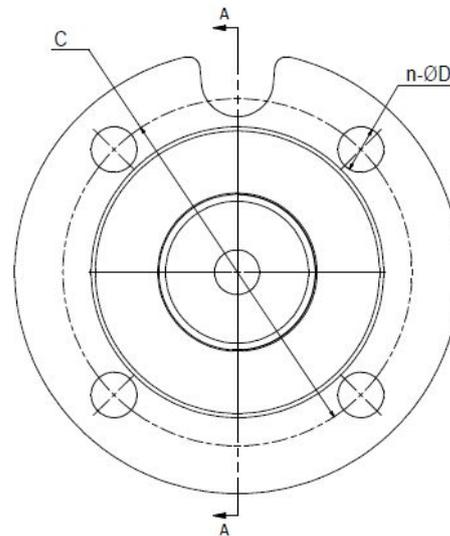
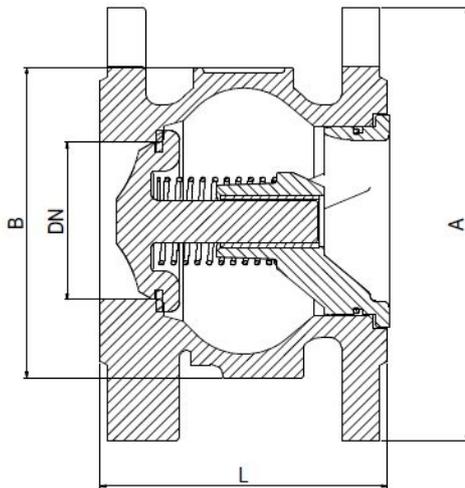
◆ Material:

Size	Body	Disc	Stem	Spring	Sealing	Shaft Sleeve	Positioning Bracket
DN50	Gray Cast Iron	Tin-bronze	Tin-bronze	Stainless Steel	EPDM	Stainless Steel	Tin-bronze
DN65	Gray Cast Iron	Tin-bronze	Stainless Steel	Stainless Steel	EPDM	Stainless Steel	Gray Cast Iron
DN65 above	Gray Cast Iron	Gray Cast Iron	Stainless Steel	Stainless Steel	EPDM	Stainless Steel	Gray Cast Iron

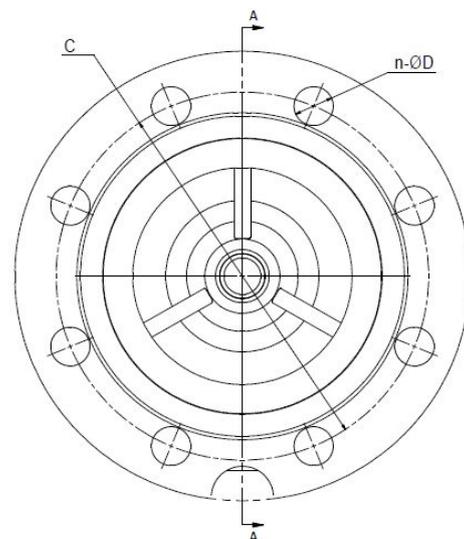
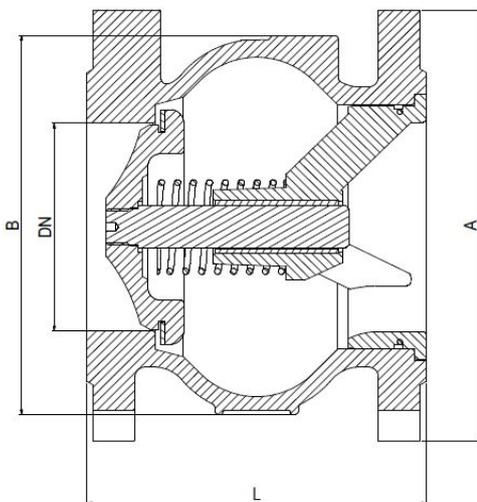
◆ Installation Dimensions:



DN50



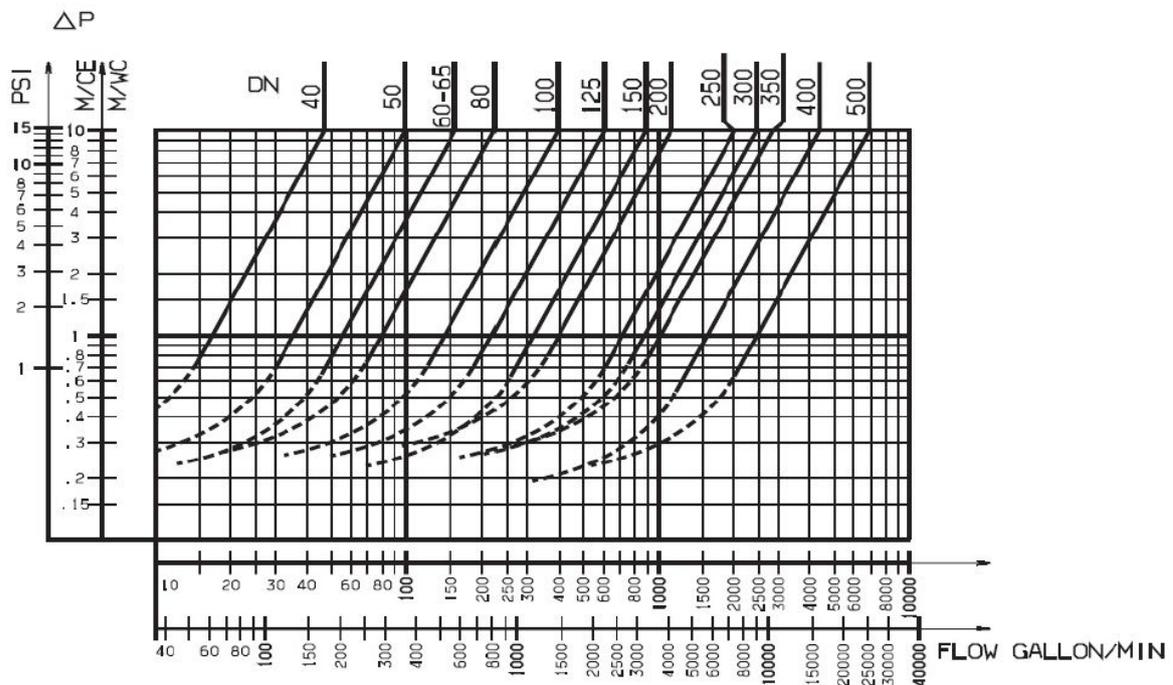
DN65



DN80-DN300

Size (DN)	L	A	B	C	n-φD
50	100	165	103	125	4-φ19
65	120	185	131	145	4-φ19
80	140	220	156	160	8-φ19
100	170	220	194	80	8-φ19
125	200	250	229	210	8-φ19
150	230	285	268	240	8-φ23
200	289	340	344	295	12-φ23
250	354	405	422	355	12-φ28
300	396	460	492	410	12-φ28

◆ Working Curve:



Direction for use:

1. M/CE, M/WE: mm/water
2. Solid line: Valve completely open
3. Dotted line: opening stage of valve

◆ **Installation Instructions:**

- (1) Please follow the flow direction on the valve body when installation;
- (2) This valve can be installed horizontally or vertically, do not allow be installed in the vertical pipe with down flow direction of medium;
- (3) In the process of hoisting, can not put the point of pressure on the guide bracket, it may influence the sealing property.