

DIN SILENCING CHECK VALVE

Product Overview

The function of the valve is to prevent the flow in the opposite direction and only allow the medium to flow in one direction. Usually, the valve works automatically. Under the action of fluid pressure flowing in one direction, the valve disc opens; when the fluid flows in the opposite direction, the fluid pressure and the self weight of the valve disc act on the valve seat to cut off the flow. It is not suitable for medium with solid particles and high viscosity.

Product Features

1. Short shutoff stroke of valve core, combined with the closed design of spring speed, can effectively reduce the influence of water hammer.
2. Before the water hammer strikes, the valve has been closed to achieve the mute effect.
3. Full flow design, water loss is very low.
4. Because the use of both ends of the disc guide design, can be applied to any direction of installation.

Main Technical Parameters

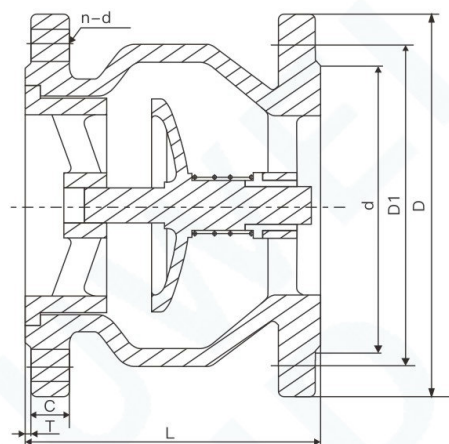
Test pressure	PN10 Shell: 1.5MPa Seal: 1.1MPa PN16 Shell: 2.4MPa Seal: 1.76MPa PN25 Shell: 3.75MPa Seal: 2.75MPa
Applicable temperature	0°C~80°C
Connection End	Flange: EN 1092-2
Surface treatment	Epoxy powder coating, 150-500um, according to AWWA C550 standard.
Application range	Pipes for drinking water, water supply and drainage, sewage treatment, irrigation, air conditioning, fire fighting, etc. shall prevent medium backflow and eliminate water hammer noise.

Material of Main Parts

No.	Component	Material
01	Body	Ductile iron GGG50
02	Shaft	Stainless steel 304
03	Spring	Stainless steel 304
04	Hexagonal nut	Stainless steel 304
05	Disc	Ductile iron is copper or brass plated
06	Seat	Ductile iron is copper or brass plated
07	O-Ring	NBR or EPDM



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Main External and Connection Dimension

PN 1.0/1.6/2.5MPa

DN		PN	Dimensions(mm)						
inch	mm		L	D	D1	d	C	T	n-d
2"	50	10/16/25	120	165	125	99	19	3	4-Φ19
2.5"	65	10/16/25	135	185	145	118	19	3	4-Φ19
3"	80	10/16/25	155	200	160	132	19	3	8-Φ19
4"	100	10/16	165	220	180	156	19	3	8-Φ19
		25	165	235	190	156	19	3	8-Φ23
5"	125	10/16	190	250	210	184	19	3	8-Φ19
		25	190	270	220	184	19	3	8-Φ28
6"	150	10/16	210	285	240	211	19	3	8-Φ23
		25	210	300	250	211	20	3	8-Φ28
8"	200	10	260	340	295	266	20	3	8-Φ23
		16	260	340	295	266	20	3	12-Φ23
		25	260	360	310	274	22	3	12-Φ28
10"	250	10	285	405	350	319	22	3	12-Φ23
		16	285	405	355	319	22	3	12-Φ28
		25	285	425	370	330	24.5	3	12-Φ28
12"	300	10	315	460	400	370	24.5	4	12-Φ23
		16	315	460	410	370	24.5	4	12-Φ28
		25	315	485	430	389	27.5	4	16-Φ31
14"	350	10	330	520	460	429	26.5	4	16-Φ23
		16	330	520	470	429	26.5	4	16-Φ28
		25	330	555	490	448	30	4	16-Φ34
16"	400	10	330	580	515	480	28	4	16-Φ28
		16	330	580	525	480	28	4	16-Φ31
		25	330	620	550	503	32	4	16-Φ37