

■ WAFER CHECK VALVE

Product Overview

The valve is composed of valve body, disc, stem, spring and other parts, which are connected by clamp. Due to the short closing stroke of the disc and the spring loading, the water hammer phenomenon can be significantly reduced. It is mainly applicable to the water supply and drainage pipe network of urban, industrial and high-rise buildings and other non corrosive medium pipes to prevent the unidirectional opening and closing of medium reverse flow.

Product Features

1. Thin and lightweight design, short disc closing stroke, spring function can accelerate closing effect, reduce water hammer and water hammer sound.
2. The distance between the surfaces is shorter than that of the general non-return valve, which is the most convenient for places with limited installation space.
3. Small volume, light weight, compact structure, easy maintenance.
4. It can be installed on the pipeline horizontally or vertically. When it is installed on the horizontal pipeline, the valve axis shall be vertical to the water surface. When it is installed on the vertical pipeline, the direction of the fluid shall be from the bottom to the top.

Main Technical Parameters

Test pressure	PN10 Shell: 1.5MPa Seal: 1.1MPa PN16 Shell: 2.4MPa Seal: 1.76MPa
Applicable temperature	0°C~80°C
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.

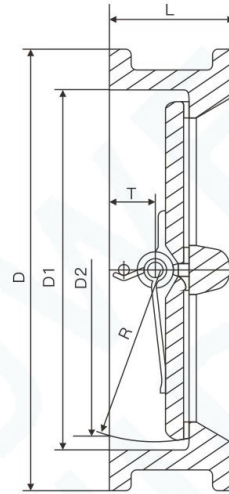
Material of Main Parts

No.	Component	Material
01	Body	Ductile iron GGG50
02	Plate	Ductile iron plating GGG50 or stainless steel
03	Shaft	Stainless steel 304
04	Spring	Stainless steel 304
05	Rubber seat	EPDM or NBR

Optional: Ductile iron valve plate or stainless steel 304 valve plate.



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Main External and Connection Dimension

PN 1.0/1.6MPa

DN		PN	Dimensions(mm)					
inch	mm		L	D	D1	D2	R	T
2"	50	PN10/16	54	107	64	41.6	28.5	19.5
2.5"	65	PN10/16	54	127	78	36.6	36	31
3"	80	PN10/16	57	142	94	67.5	42	25
4"	100	PN10/16	64	162	117	83.5	50	27.5
5"	125	PN10/16	70	192	145	116	66	31.5
6"	150	PN10/16	76	218	170	140.5	77	31.5
8"	200	PN10/16	95	273	224	189.2	102.5	39.5
10"	250	PN10/16	108	328	265	233.7	125	44.5
12"	300	PN10/16	143	378	310	203.6	146	72.5
14"	350	PN10/16	127	438	360	327.87	170	45
16"	400	PN10/16	140	489	410	375.88	195	52
18"	450	PN10/16	152	555	450	414.06	215	58
20"	500	PN10/16	152	594	505	467.83	241	58
24"	600	PN10/16	178	700	624	569.59	294	73