

Serie F.400



SILENT CHECK VALVE

F.430



The valves model F.430 are silent check valves, with a ductile iron body, manufactured in accordance with the most severe product norms, and in conformity with the quality requirements of EN ISO 9001.

They are suitable for heating and conditioning (HVAC), water treatments and distribution, pump station, agricultural applications, industrial applications and fire fighting applications.

YES: For in-line installation (horizontal or vertical position) and as foot valves.
The shape of the body and shutter minimizes turbulence and head loss.

NO: for steam and gas.

Application fields



WATER



CONDITIONING



INDUSTRY



HEATING



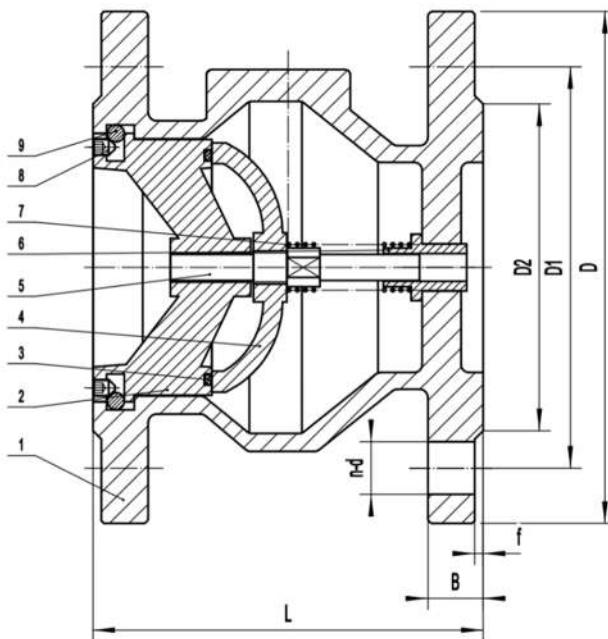
DRINKING WATER



FIRE FIGHTING



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Materials

	Component	Material
1	Body	GJS450-10 - Ductile Iron
2	Seat Body	GJS450-10 - Ductile Iron
3	Seat	EPDM/NBR
4	Disc	GJS450-10 - Ductile Iron
5	Stem	304S15 - Stainless steel
6	Bushing	CZ122 - Brass
7	Spring	304S15 - Stainless steel
8	Screw	304S15 - Stainless steel
9	Ball	304S15 - Stainless steel

Dimensions (mm)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	133	140	152	185	216	230	259	362	393	400	448	476	524	610
D	165	185	200	220	250	285	340	405	460	520	580	640	715	840
D1	125	145	160	180	210	240	295	355	410	470	525	585	650	770
D2	99	118	132	156	184	211	266	319	370	429	480	548	609	720
B	19	19	19	19	19	19	20	22	24.5	26.5	28	30	31.5	36
f	3	3	3	3	3	3	3	3	4	4	4	4	4	5
n-d	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28	16-28	16-31	20-31	20-34	20-37

Certificates



Standards

Design : TS EN 12334
 Flange Dimensions : TS EN1092-2 (PN 16)
 Face to Face Dimensions : TS EN 558
 Tests : TS EN 12266-1
 Nominal Pressure: PN16 (Option: PN25)
 Temperature: -10 ~ 90°C

Versions



F.430

Body: EN GJS450-10
Disc: EN GJS450-10
PN16

F.430.1

Body: EN GJS450-10
Disc: AISI304
PN16

F.430.2

Body: EN GJS450-10
Disc: AISI316
PN16

F.430.3

Body: EN GJS450-10
Disc: AISI304L
PN16

F.430.4

Body: EN GJS450-10
Disc: AISI316L
PN16

Instruction and Recommendations

STORING

- Keep in dry and closed place.

RECOMMENDATIONS

Before carrying out maintenance or dismantling the valve:

- Ensure that the pipes, valves and fluids have cooled down
- That the pressure has decreased, and that the lines and pipes have been drained in case of toxic, corrosive, inflammable or caustic liquids.

Temperatures above 50°C and below 0°C might cause damage to people.

INSTALLATION

- Handle with care
- Place the valve between the flanges of the pipe and install the seal between the pipe and valve flanges. Check that the seals are positioned correctly.
- The distance between the counterflanges must be equal to the valve's face to face distance.
- Do not use the bolts of the counterflanges to bring the piping close to them. The bolts must be cross tightened.
- Do not weld the flanges to the piping after installing the valve.
- Water hammers might cause damage and ruptures. Inclination, twisting and misalignments of the piping may subject the installed valve to excessive stresses. It is recommended that elastic joints be used, in order to reduce such effects as much as possible.
- These valves are unidirectional: install in accordance with the flow direction arrow indicated on the body.

DISPOSAL

- For valve operating with hazardous media (toxic, corrosive...) , if there is a possibility of residue remaining in the valve, take due safety precaution and carry out required cleaning operation. Personnel in charge must be trained and equipped with appropriate protection devices.
- Prior to disposal, disassemble the valve and separate the component according to various materials. Please refer to product literature for more information. Forward sorted material to recycling (e.g. metallic materials) or disposal, according to local and currently valid legislation and under consideration of the environment.