

# Serie F.400



## SWING CHECK VALVE

F.400



The valves F.400 are flanged swing check valves, with a cast 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, agricultural and industrial applications

**YES:** for installing in a horizontal position. Low head losses.

**NO:** for steam and gas.

### Application fields



WATER



CONDITIONING



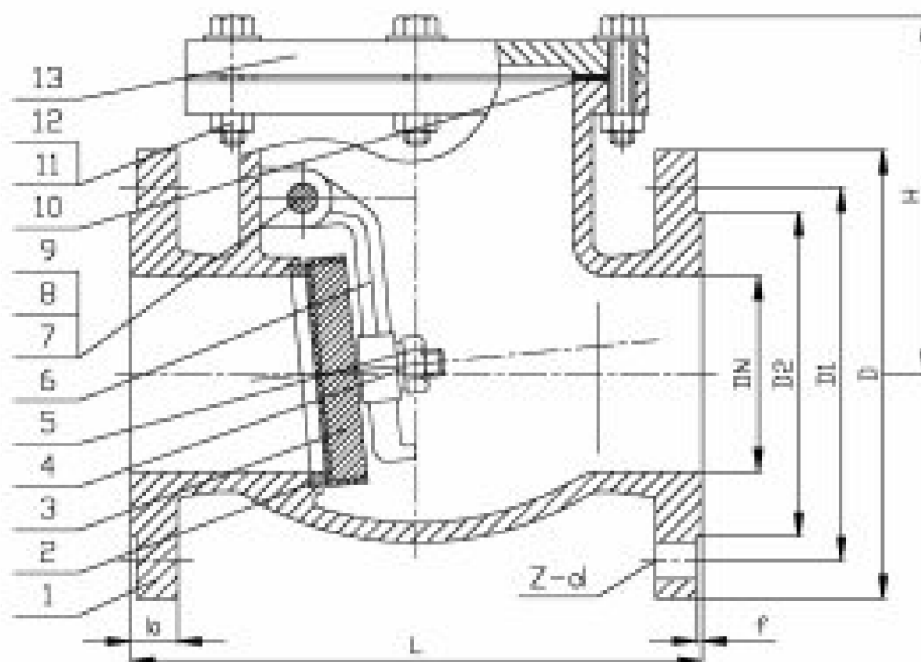
INDUSTRY



HEATING



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## Materials

Component	Material
1 Body	GG 25 - EN GJL 250 - Cast Iron
2 Seat Ring	Brass
3 Disc Ring	Brass
4 Washer	Steel
5 Locking Nut	Steel
6 Arm	GGG 50 - GJS 500 - Ductile Iron
7 Stem	Stainless steel
8 Plug	Steel
9 Gasket	Nylon
10 Gasket	NBR
11 Bolt	Steel
12 Nut	Steel
13 Bonnet	GG 25 - EN GJL 250 - Cast Iron

## Dimensions (mm)

DN	40	50	65	80	100	125	150	200	250	300
L	165	203	216	241	292	330	356	495	622	698
D	150	165	185	200	220	250	285	340	395/405	445/460
K	110	125	145	160	180	210	240	295	350/355	400/410
n-d	4-φ16	4-φ19	4-φ19	8-φ19	8-φ19	8-φ19	8-φ23	8-φ23/ 12-φ23	12-φ23/ 12-φ28	12-φ23/ 12-φ28

## Weight (kg)

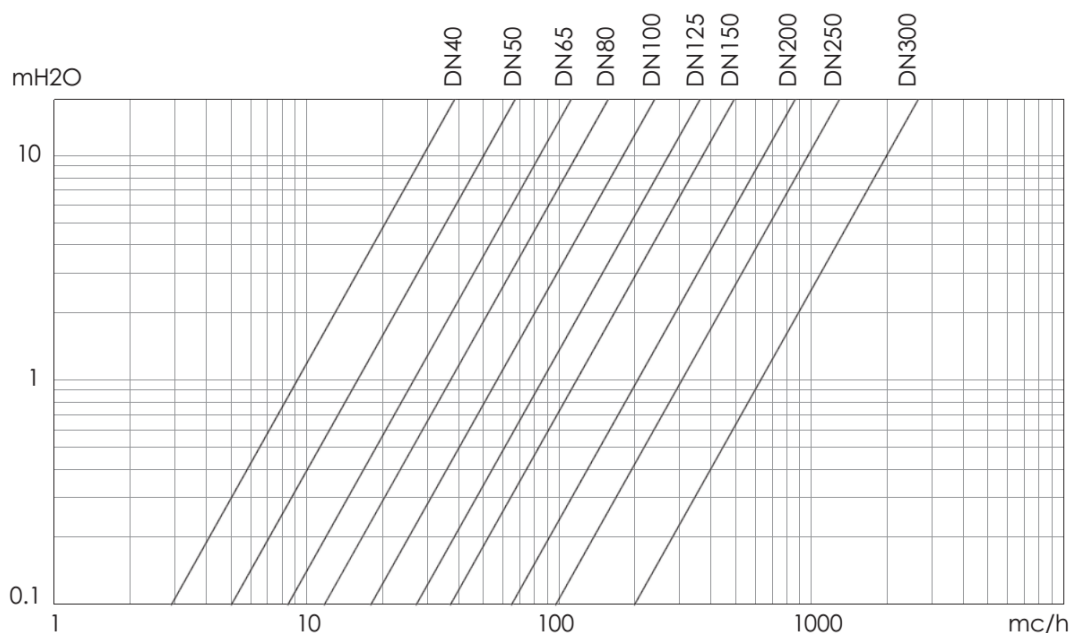
	11	13	16	21	31	40	52	98	160	180
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### Certificates



### Standards

Design : TS EN 5153  
 Flange Dimensions : TS EN1092-2 (PN 16)  
 Face to Face Dimensions : TS EN 5153  
 Tests : TS EN 12266-1  
 Nominal Pressure: PN16  
 Temperature: -10 ~ 100°C

**Head loss Fluid: water** (1m H<sub>2</sub>O = 0.098bar)**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.