

# Serie F.400



## DUAL PLATE CHECK VALVE

F.410



The valves F.410 are dual-plate wafer check valves, which are manufactured in accordance with the most severe product norms, and in conformity with the quality requirements of EN ISO 9001.

With cast iron body, suitable for heating and conditioning (HVAC), water treatment and distribution, pumping stations and industrial applications.

**YES:** for installing in horizontal or vertical position.

### Application fields



WATER



CONDITIONING



INDUSTRY



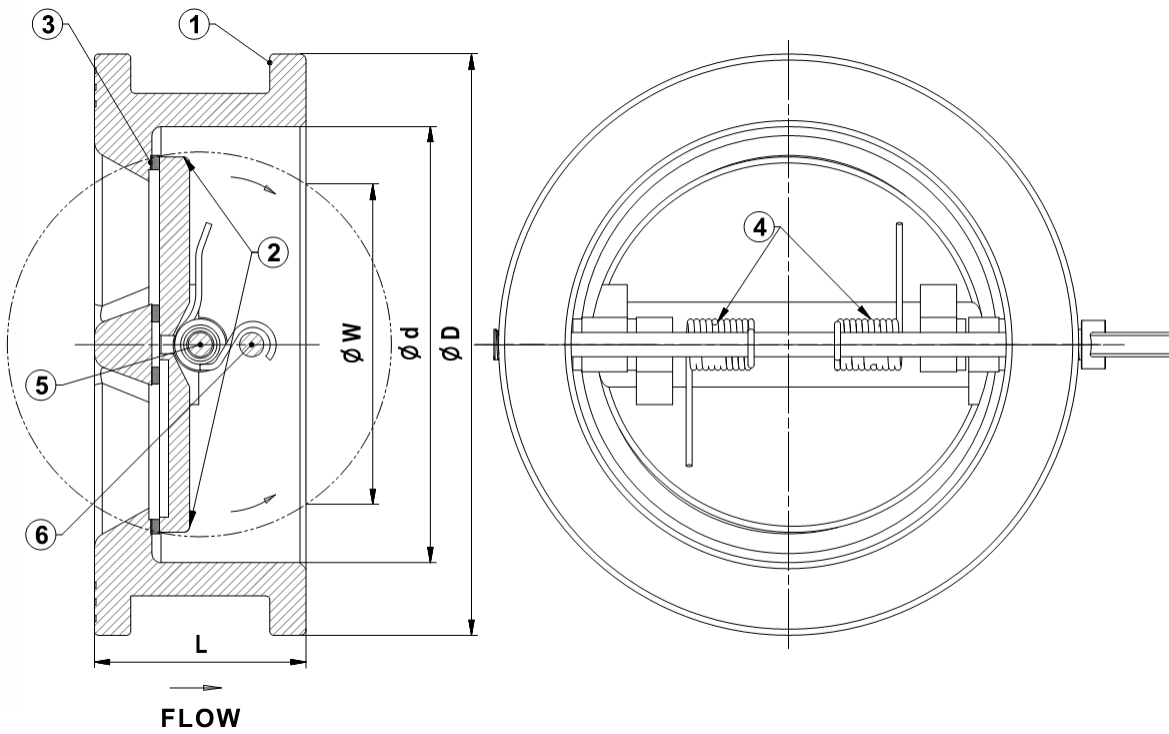
HEATING



FIRE FIGHTING



[www.bkvvana.com](http://www.bkvvana.com)



## Materials

Component	Material
1 Body	GG 25 - EN GJL 250 - Cast Iron
2 Disc	GGG 40 - EN GJS 400-15 - Ductile Iron
3 Seat	EPDM-NBR
4 Spring	X12CrNi18 8 - AISI302 - Stainless Steel
5 Stem	X20Cr13 - AISI420 - Stainless Steel
6 Stop pin	X20Cr13 - AISI420 - Stainless Steel

## Dimensions (mm)

DN	50	65	80	100	125	150	200	250	300	350	400
ØD	107	127	142	162	192	218	273	328	378	438	489
Ød	65	80	94	117	145	170	224	265	310	360	410
L	43	46	64	64	70	76	89	114	114	127	140
ØW	49	63	69	97	121	145	197	234	284	333	379

## Weight (kg)

	1.3	1.6	2.8	4	5.5	8	13.5	24.4	33	46.4	62
--	-----	-----	-----	---	-----	---	------	------	----	------	----

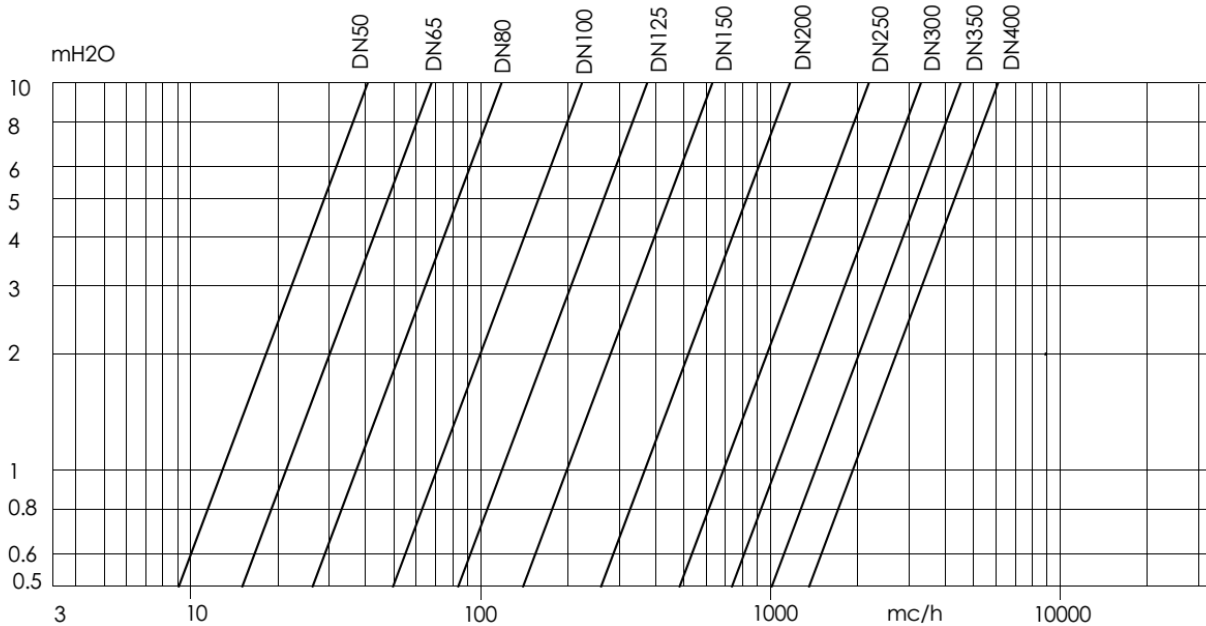
### Certificates



### Standards

Design : TS EN 12334  
 Flange Dimensions : TS EN1092-2 (PN 16)  
 Tests : TS EN 12266-1  
 Nominal Pressure: PN16  
 Temperature: -10 ~ 120°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.