

# Serie F.100



RESILIENT SEATED GATE VALVE OS&Y TYPE

F.110



The valve model F.110 is resilient seated gate valve OS&Y type, made of ductile iron, manufactured in accordance with severe product norms and relevant norms, and in conformity to EN ISO 9001

These valves are suitable for fire fighting system, heating and conditioning (HVAC), water treatment and water distribution, waste water, industrial applications, agricultural purposes.

**NO:** for steam, for choking and regulation of the flow

## Application fields



WATER



CONDITIONING



INDUSTRY



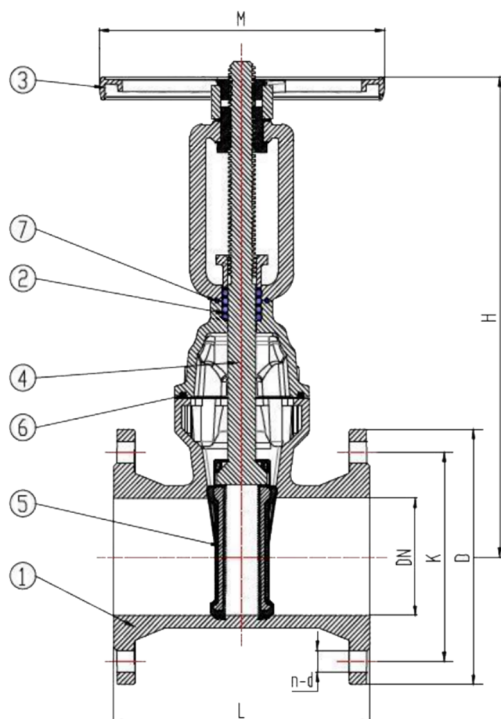
DRINKING WATER



FIRE FIGHTING



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### Materials

	Component	Material
1	Body	GGG 50 - EN GJS 500-15 - Ductile Iron
2	Bonnet	GGG 50 - EN GJS 500-15 - Ductile Iron
3	Handwheel	GGG 50 - EN GJS 500-15 - Ductile Iron
4	Stem	X20Cr13 - AISI420 - Stainless steel
5	Wedge	GGG 50 - EN GJS 500-15 - Ductile Iron + EPDM
6	Gasket	NBR
7	O-Ring	NBR

### Dimensions (mm)

DN	50	65	80	100	125	150	200	250	300
D	165	185	200	220	250	285	340	395/405	445/460
k	125	145	160	180	210	240	295	350/355	400/410
L	150	170	180	190	200	210	230	250	270
H	315	325	355	415	490	550	670	845	1100
nxd	4-19	4-19	8-19	8-19	8-19	8-23	8-23/ 12-23	12-23/ 12-28	12-23/ 12-28
M	200	200	200	254	315	315	315	406	406

### Weight (kg)

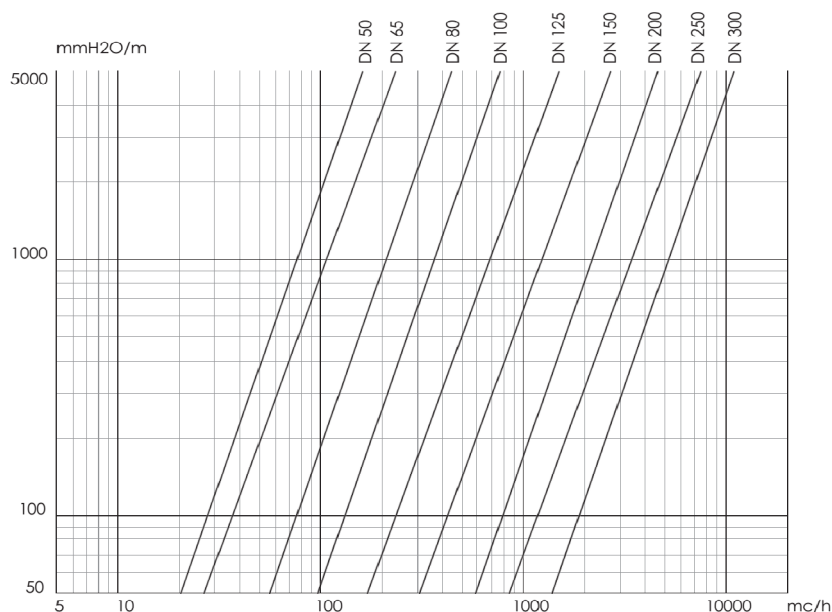
	9,5	13,7	16	22,5	25,4	37,6	55,8	82,6	114,7
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### Certificates



### Standards

Design : TS EN 1171  
 Flange Dimensions : TS EN1092-2 (PN 16)  
 Face to Face Dimensions : TS EN 558 (Seri 14)  
 Tests : TS EN 12266-1  
 Nominal Pressure: PN16  
 Temperature: -10 ~ 110°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
- The valve must be installed in an open or closed position.
- The lifting of the valve must be done using belts and safety hooks (fig)
- Do not weld the flanges to the piping after installing the valve
- Prior to installing the valve, ensure that the piping has been carefully cleaned and is free of any residual particles, such as soil, small stones, etc
- In case of installation in wells, ensure there is suitable drainage.
- In case of installation of valves of diameter greater than DN 200, it is recommended that a dismantling joint be installed, in order to facilitate the installation/disassembly.
- Place the valve between the flanges of the tube and put liners between the flanges of the valve and the flanges of the tube. Check that the liners are positioned correctly
- The distance between the counter flanges must be the same as the face to face distance of the valve.
- Do not use the bolts of the counter flanges to close the piping. The bolts must be tightened crosswise
- Water hammers might cause damage and ruptures. Inclination, twisting and misalignments of the piping may subject the valve to stress, once it has been installed. It is recommended that elastic joints be used, in order to reduce these effects as much as possible.

