Serie F.100

GLOBE VALVE

F.160



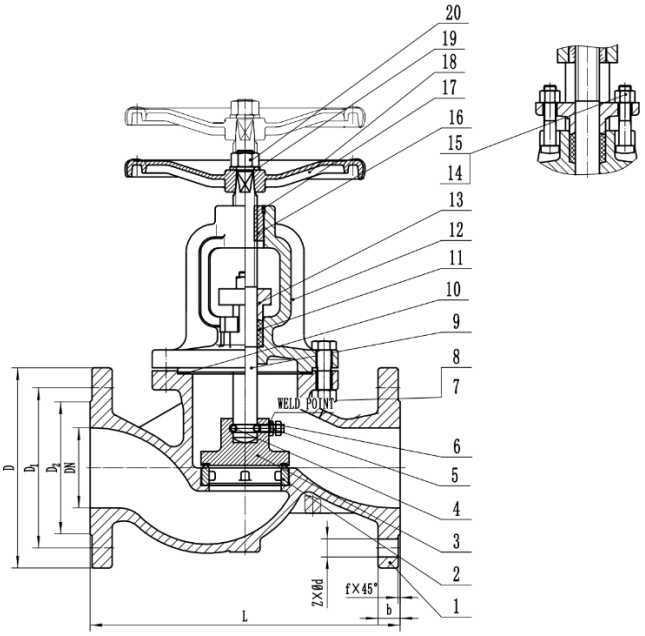
The valve model F.160 is flanged globe valve, made of cast iron, manufactured in accordance with severe product norms and relevant norms, and in conformity to EN ISO 9001

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

Application fieldsp

WATER CONDITIONING INDUSTRY DRINKING WATER FIRE FIGHTING

www.flowsureglobal.com.tr



Materials

	Component	Material
1	Body	GG25 - Cast Iron
2	Body seat ring	AISI304 - Stainless steel
3	Disc	DN40-DN65: X20Cr13 - Stainless Steel DN80-DN300: A105 + D507Mo – Carbon Steel (DN250-DN300 is double disc design)
4	Ball	Steel
5	Bolt	AISI304 - Stainless Steel
6	Nut	AISI304 - Stainless Steel
7	Bolt	Steel
8	Nut	Steel
9	Stem	X20Cr13 - Stainless Steel
10	Bonnet Gasket	Flexible Graphite
11	Packing	Flexible Graphite
12	Bonnet	DN40-DN200: GGG40 – Ductile Iron DN250-DN300: GG25 – Cast Iron
13	Packing Gland	Cast Iron
14	T Type Bolt	Steel
15	Nut	Steel
16	Stem Nut	HPb62-2 – Brass
17	Lock Nut	Steel
18	Handwheel	Ductile Iron
19	Washer	Steel
20	Nut	Steel

Dimensions (mm)

DN	40	50	65	80	100	125	150	200	250	300
L	200	230	290	310	350	400	480	600	730	850
D	150	165	185	200	220	250	285	340	405	460
D1	110	125	145	160	180	210	240	295	355	410
D2	84	99	118	132	156	184	211	266	319	370
B	18	20	20	22	24	26	26	30	32	32
f	3	3	3	3	3	3	3	3	3	4
n-d	4-19	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28
D0	140	140	200	200	240	280	315	360	400	400
H	233	261	293	341	381	419	485	569	634	801

Certificates

Standards

Design : TS EN 13789
Flange Dimensions : TS EN1092-2 (PN 16)
Face to Face Dimensions : TS EN 558
Tests : TS EN 12266-1
Nominal Pressure: PN16
Temperature: -10 ~ 150°C

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 50ºC and below 0ºC 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
- 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.