Serie F.700

BALL VALVE FLANGED

F.720

The valve model F.720 is flanged ball valve, with the body in cast iron and a floating ball, manufactured in accordance with severe product standards and the quality management ISO 9001

Suitable for heating and conditioning (HVAC), district heating, distribution and water treatment, waste water, industrial applications, agricultural purposes, for compressed air processing, for oils and hydrocarbons.

YES: for installing in line and end of line, for services with frequent acting, the integrated ISO 5211 support allows the installation of a wide range actuator. F.720 ball valves are full and straight bore reducing turbulences and minimizing head loss.

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

Application fields

WATER CONDITIONING INDUSTRY GAS FIRE FIGHTING

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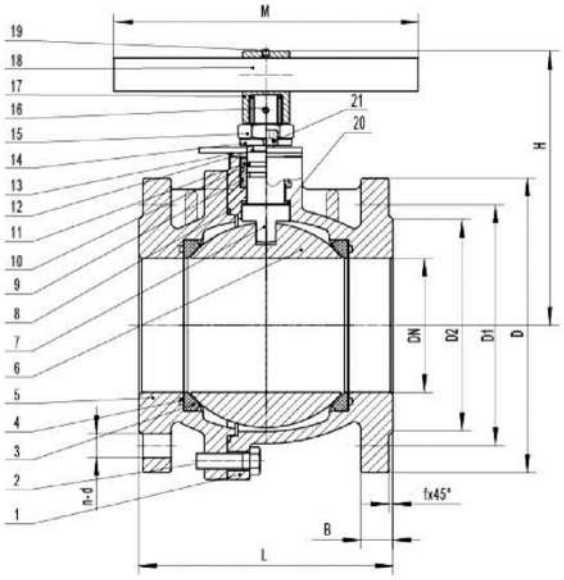

Materials

	Component	Material
1	Body	EN GJL 250 - Cast Iron
2	Bolt	BS970 43A - Steel
3	Seatring	Teflon
4	O-ring	EPDM
5	Bonnet	EN GJL 250 - Cast Iron
6	Ball	BS970 304S15 – Stainless steel
7	Stem	BS970 420S37 – Stainless steel
8	O-ring	EPDM
9	O-ring	EPDM
10	O-ring	EPDM
11	Sealed part	BS2874CZ122 – Cast brass
12	Spacing baffle	BS970 43A - Steel
13	Gasket	BS2874CZ122 – Cast brass
14	Washer	BS970 43A - Steel
15	Nut	BS970 43A - Steel
16	Screw	BS970 43A - Steel
17	Wrench	EN GJS 450-10 - Ductile Iron
18	Pipe	BS970 43A - Steel
19	Screw	BS970 43A - Steel
20	Easher	Teflon
21	Screw	BS970 43A - Steel

Dimensions (mm)

DN	50	65	80	100	125	150	600
L	150	170	180	190	325	350	400
D	165	185	200	220	250	285	340
D1	125	145	160	180	210	240	295
D2	99	118	132	156	184	211	266
B	20	20	21	24	26	26	30
f	3	3	3	3	3	3	3
n-d	4-19	4-19	8-19	8-19	8-19	8-23	12-23
M	220	284	284	500	600	800	1000
H	101	112	125	190	211	260	286

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

Instruction and Recommendations

STORING

Keep in dry and closed place.
While store, the valve must be fully open to avoid damage to the seats.

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 either the ON or OFF position.
- Place the valve between the flanges of the pipe and install the seal between the pipe and valve flanges. Check the correct position of the seals.
- The distance between the counter flanges should be equal to the valve's face to face distance. Do not use bolts of the counter flanges to bring the piping close to the valve. The bolts should be cross ightened.
- Do not weld the flanges to the piping after installing the valve.
- Water hammers might cause damage and ruptures. Inclinations, torsions 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.
- While heating from room temperature to the high operating temperature, the liquid located between the body and ball (valve open), or located in the bore of the ball (valve closed) tends to expand and may damage the ball and the seats; it is recommended that the valve be opened and closed at intermediate temperatures during the heating process (for example, at 40ºC /60ºC/…).
- At sub-zero temperatures, the liquid between the body and ball may freeze, causing irreparable damage. If the valve is exposed to such conditions, insulation of the valve is recommended.
- It is recommended that the valve be operated periodically, to prevent the build-up of materials on the ball and the seats, particularly in the presence of limestone.