

Serie F.900



FLOAT VALVE

F.910



The flanged float level control valves, piston type, are used to hydraulically controls reservoir filling to maintain constant water level for "Always Full" reservoir applications such as: large surface area reservoirs, low volume reservoirs, and fertilizer mixing tanks.

They allow the water level of the tank or reservoirs to be controlled automatically. The main valve control is provided by a 2-way pilot float. When the water level falls below the adjusted level, the valve opens to fill the tank. When reaching the pre-set level, the valve closes and the water level remains constant.

There must be 7 meters water column pressure in the network for the main valve's doing of the opening-closing up function.

They are made of ductile iron, with an epoxy coating. The valves are suitable for water supply.

NO: for steam and gas.

Application fields



WATER



INDUSTRY



DRINKING WATER

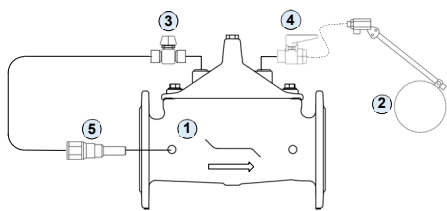


FIRE FIGHTING

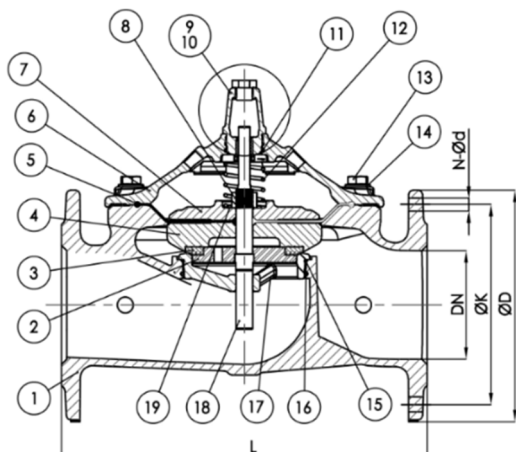


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Materials

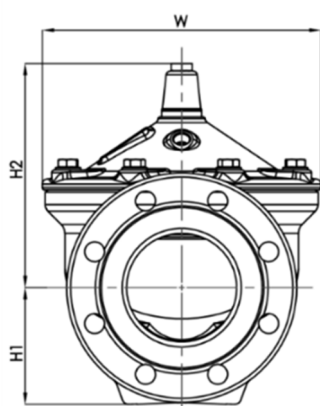


	Component	Material
1	Body	Ductile Iron
2	Float	Plastic
3	Needle valve	Brass
4	Ball Valve	Brass
5	Strainer	Brass



Materials

	Component	Material
1	Body	EN-GJS 500-7 Ductile Iron
2	Seal Retainer	AISI304 Stainless Steel
3	Seal	EPDM
4	Disc Holder	EN-GJS 500-7 Ductile Iron
5	Diaphragm	EPDM + Nylon
6	Bonnet	EN-GJS 500-7 Ductile Iron
7	Diaphragm Retainer	EN-GJS 500-7 Ductile Iron
8	Nut	A2 Steel
9	Plug	AISI304 Stainless Steel
10	Indicator (Option)	CF8 Stainless Steel
11	O-Ring	NBR
12	Spring	AISI304 Stainless Steel
13	Bolt	AISI304 Stainless Steel
14	Washer	AISI304 Stainless Steel
15	O-Ring	NBR
16	O-Ring	NBR
17	Seat	CF8 Stainless Steel
18	Stem	AISI304 Stainless Steel
19	Washer	A2 Steel



Dimensions (mm)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
Seat bore dia	52	67	82	102	127	152	202	252	302	352	400	450	500	600	700	800	900	1000
L	230	290	310	350	400	480	600	730	850	980	1100	1200	1250	1450	1450	1850	1850	2250
ØD	165	185	200	220	250	285	340	405	460	520	580	640	715	840	910	1025	1125	1255
ØK	125	145	160	180	210	240	295	355	410	470	525	585	650	770	840	950	1050	1170
N-Ød	4-Ø19	4-Ø19	8-Ø19	8-Ø19	8-Ø19	8-Ø23	12-Ø23	12-Ø28	12-Ø28	16-Ø28	16-Ø31	20-Ø31	20-Ø34	20-Ø37	24-Ø37	24-Ø41	28-Ø41	28-Ø44
H1	85	95	102	112	127	145	172	205	232	260	292	322	360	420	458	515	565	630
H2	170	185	220	230	270	300	405	460	510	560	670	720	790	930	1000	1170	1300	1460
W	165	205	230	270	300	355	455	530	620	710	-	-	-	-	-	-	-	-

Certificates



Standards

Flange Dimensions : TS EN1092-2 (PN 16)

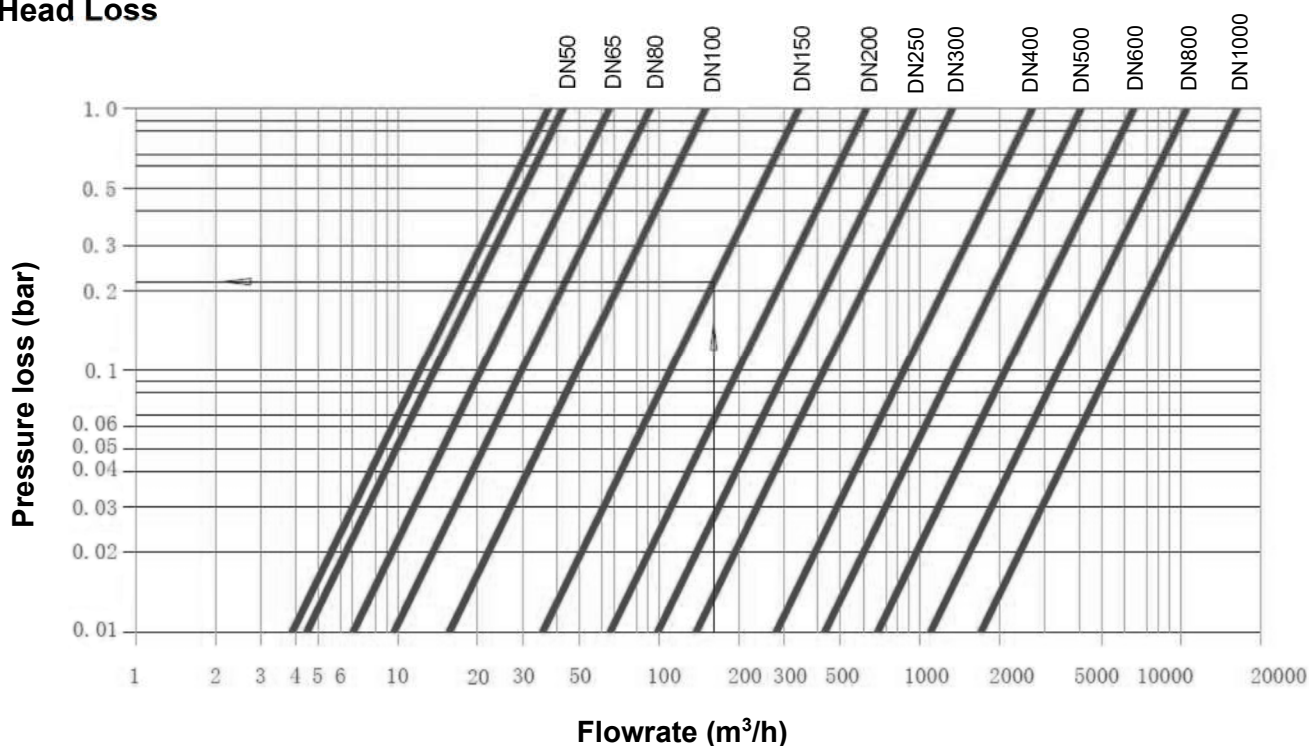
Face to Face Dimensions : TS EN 558-1

Tests : TS EN 12266-1

Nominal Pressure: PN16 (Option: PN25)

Temperature: 0 ~ 70°C

Head Loss



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
- Install the pressure reducing valves in a horizontal position, for the best working situation, in order to reduce wear of the internal part; if necessary, it is possible to install the pressure reducing valve in a vertical position.
- Before installing the valve, ensure that the piping is cleaned thoroughly in order to avoid damage to the internal parts of the valve caused by residues and stones.
- 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.
- Valve can be assembled horizontally or vertically.

INDICATIONS TO BE MADE WHEN ORDERING:

- Maximum flowrate
- Line pressure value (min and max)

ADJUSTMENT

- Step 1: Connect the valve together with the float according to the maximum level that the water raises.
- Step 2: Assemble the float according to the maximum water level inside the reservoir.
- Step 3: Connect and check the hose between the valve and float.
- Step 4: With the needle valve on the valve, you may adjust the main valve on and off rates regularly in accordance with your network.
- Step 5: Supply the water to the water network.