



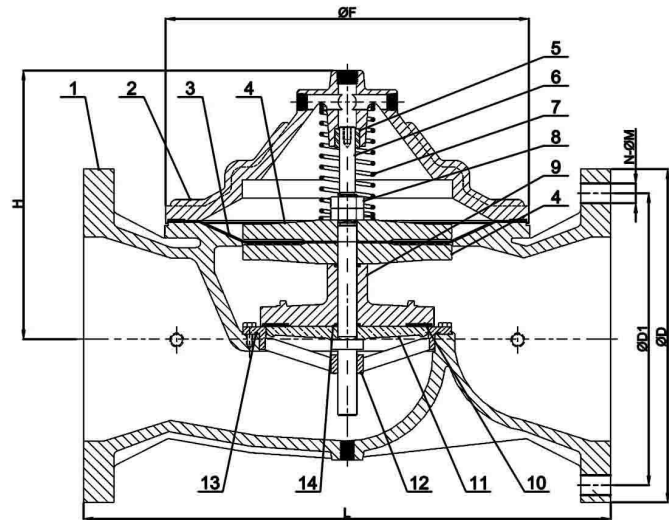
UNIMECH GROUP, MALAYSIA



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BALL FLOAT VALVE FLANGED END PN16

Model : ARV-719FE(D)



Material

No	PART	MATERIAL
1	BODY	DUCTILE IRON
2	COVER	DUCTILE IRON
3	DIAPHRAGM	NBR
4	DIAPHRAGM PLATE	CF8 / DI
5	BUSHING	BRASS
6	STEM	SS 304
7	SPRING	SS 304
8	HEX. JAM NUT	SS 304
9	SPOOL	CF8 / DI
10	SEAT SEAL	NBR
11	SEAT PLATE	SS 304
12	SEAT RING	CF8
13	SEAT O-RING	NBR
14	SPOOL O-RING	NBR

Technical Data

Nominal Pressure	PN 16
Seal Test Pressure	1.76 Mpa
Shell Test Pressure	2.4 Mpa
Suitable Temperature	-10 to 80 °C

Connection according to EN1092 PN16

Dimension in mm

DN	NPS	L	H	F	ØD	Ball Float Ø	Weight (kg)
50	2"	230	118	Ø170	Ø165	Ø95	10
80	3"	278	118	Ø170	Ø200	Ø95	17
100	4"	305	165	Ø205	Ø235	Ø95	30
150	6"	419	205	Ø284	Ø305	Ø95	55

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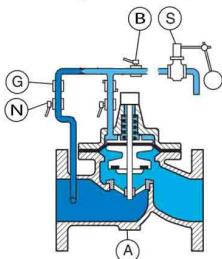
Model : ARV-719FE(D)

Material

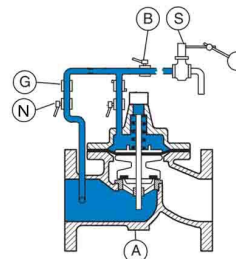
No	PART	MATERIAL
A	MAIN VALVE	DUCTILE IRON
B	MINI BALL VALVE	SS 304
G	STRAINER	SS 304
N	NEEDLE VALVE	SS 304
S	FLOW PILOT VALVE	SS 304



Working Principle



When the water level is low in the tank, the float pilot valve is completely open, the valve is open to fill the tank.

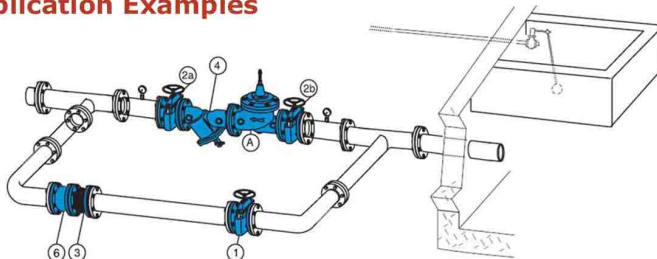


When the float is half way, the pilot valve is half closed, the pressure above the membrane pushed the valve to the close position. The valve will be completely closed when the float pilot valve will be in the upper position.

Controlling water level through the float ball device, to prevent the overflow.

When the water level is close to the set value, the automatic adjustment of the water inlet valve flow.

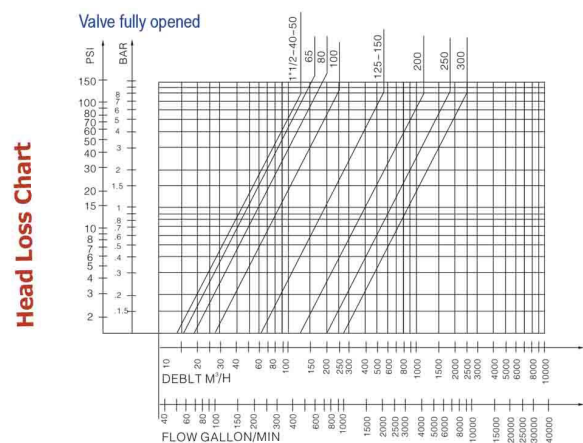
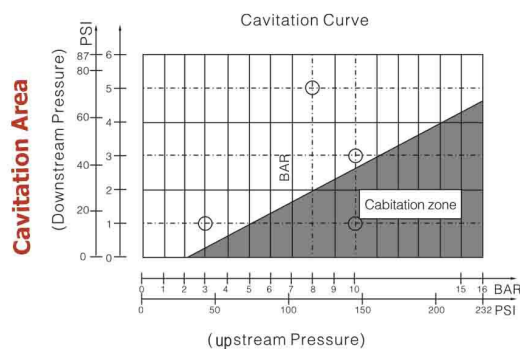
Application Examples



1. Isolation valve of the by-pass
- 2a-2b. Isolation valves of the main water pipe
3. Rubber expansion joints.
4. Strainer
6. Check valve
- A. FB control valve

Matters Needing Attention

1. Strainer should be installed in the upstream of the control valve to ensure good water quality.
2. The exhaust valve should be installed in the downstream of the control valve to exhaust the mixed gas in pipeline.
3. When the control valve is mounted horizontally, the maximum inclination angle of the control valve can not be exceed 45°.



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