

A6DV Double Chamber Solenoid Control Valve with Vport

The A6DV is a double chamber solenoid control valve. It will fully open by releasing all water in the upper chamber to give a better headloss.

Features:

- Top and seat ring guided stem and diaphragm assembly for long life and reliability.
- All iron components are fusion epoxy bonded for corrosion resistance.
- Easy maintenance without removal from the main line.
- Nylon reinforced diaphragm for long term service.
- Drip tight shut off.
- Globe design for superior control characteristics.
- Ductile iron bodies for higher strength and durability.
- Corrosion resistant stainless steel seat and disc retainer ring.
- Various pilots and accessories available for configuration into many different applications.
- Special V-Port and double chamber are options, please consult factory.
- Meet standards BS EN 1074-5, ISO 5208, BS EN 12266-1, BS EN 558-1,



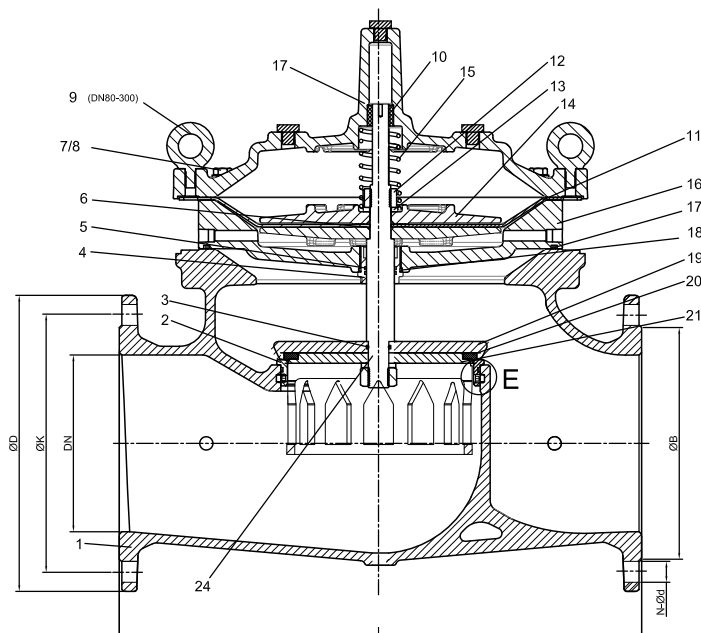
General Application:

For on/off control in water applications.

Technical Data:

Size Range: DN50~DN600mm Pressure Ratings: 1.0Mpa; 1.6Mpa; 2.5Mpa
Working Temperature: -10°C- 80°C
Suitable Media: Water
End connection: PN 10/ PN 16/ PN 25 / Table E. Consult Factory for other applications

A9DV-Main Valve DN50- DN300

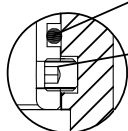


E

DN50-150



DN200-300



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Parts List

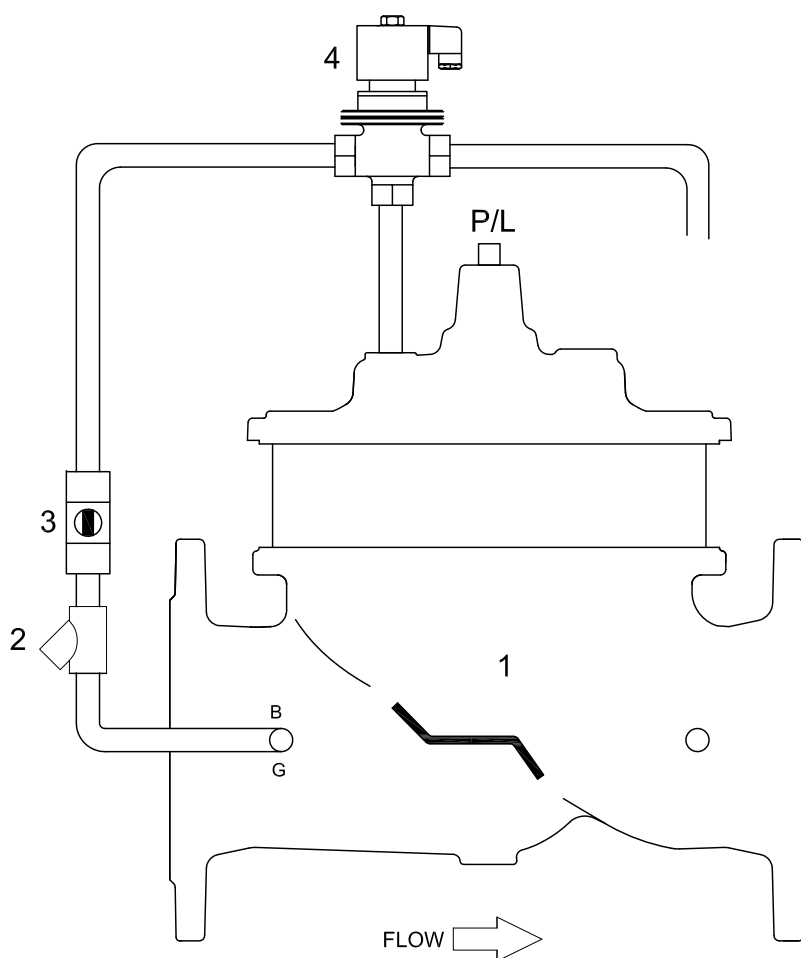
No.	Description	Material	Standard
1	Body	Ductile Iron	GJS 450-12
2	Seat	Stainless Steel	AISI 304
3	O-ring	Rubber	NBR
4	Bush	Bronze	C61900
5	O-Ring	Rubber	NBR
6	O-Ring	Rubber	NBR
7	Bolt	Stainless Steel	A2
8	Washer	Stainless Steel	A2
9	O-Rings	Rubber	NBR
10	Bush	Bronze	C61900
11	Diaphragm	Nylon-Reinforce Rubber	EPDM +Nylon Fabric
12	Chulking Nut	Stainless Steel	A4
13	Wahser	Stainless Steel	A2
14	Fix holder	Ductile Iron	GJS 450-12
15	Spring	Stainless Steel	AISI 304
16	Middle body	Ductile Iron	GJS 450-12
17	O-Ring	Rubber	NBR
18	O-Ring	Rubber	NBR
19	Disc Holder	Ductile Iron	GJS 450-12
20	Seal	Rubber	EPDM
21	Seat Retainer	Stainless Steel	AISI 304
22	O-Ring	Rubber	NBR
23	Screw	Stainless Steel	A2
24	Stem Vport	Stainless Steel	AISI 304

Dimension:

Unit: mm

DN	Model Code	L	ØD			ØK			H	N-Ød			ØB		
			PN10	PN16	TE	PN10	PN16	TE		PN10	PN16	TE	PN10	PN16	TE
50	A900-0050	230	165	165	165	125	125	114	169	4-Ø19	4-Ø19	4-Ø18	Ø99	Ø99	Ø90
65	A900-0065	290	185	185	185	145	145	127	189	4-Ø19	4-Ø19	4-Ø18	Ø118	Ø118	Ø103
80	A900-0080	310	200	200	200	160	160	146	209	8-Ø19	8-Ø19	4-Ø18	Ø132	Ø132	Ø122
100	A900-0100	350	220	220	220	180	180	178	244	8-Ø19	8-Ø19	4-Ø18	Ø156	Ø156	Ø154
150	A900-0150	480	285	285	285	240	240	235	368	8-Ø23	8-Ø23	8-Ø18	Ø211	Ø211	Ø211
200	A900-0200	600	340	340	340	295	295	292	442	8-Ø23	12-Ø23	8-Ø18	Ø266	Ø266	Ø268
250	A900-0250	730	405	405	405	350	355	356	526	12-Ø23	12-Ø28	8-Ø22	Ø319	Ø319	Ø328
300	A900-0300	850	460	460	460	400	410	406	586	12-Ø23	12-Ø28	12-Ø26	Ø370	Ø370	Ø378

A6DV-Assembling

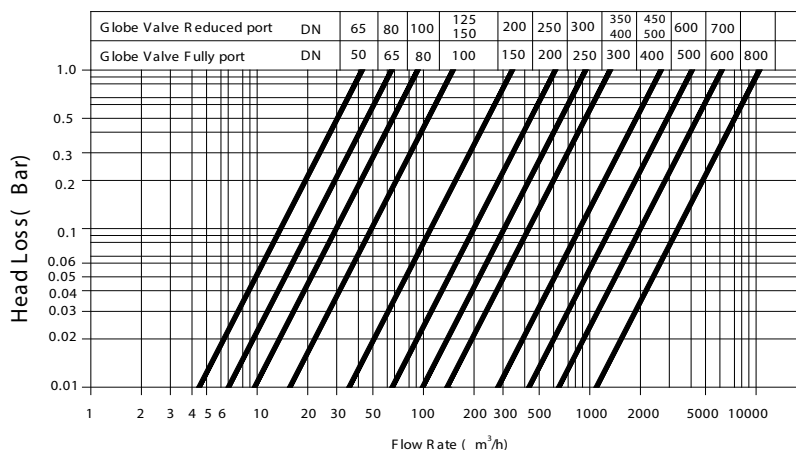


Note:

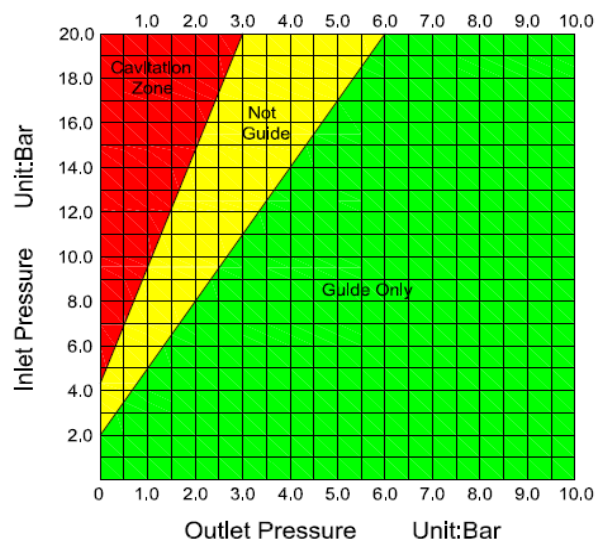
1. Main valve Test:
 - 1.1 Sealing test
 - Low pressure: 0.5bar;
 - High pressure: 1.1xPN bar;
 - 1.2 Shell test
 - 1.5xPN bar
2. Flange dimension according to order;
3. If need optional material or others, consult factory.
4. Solenoid control pilot could be DC24V AC 220V etc; NC/N0.

NO.	Part Name	Material	Standard
1	Main Valve	Ductile Iron	GJS 500-7
2	Y-Type Filter	Stainless Steel	SUS304
3	Ball Valve	Stainless Steel	SUS304
4	Two - position three - way solenoid valve.	Commercial	Burkert-0330
T	Tube	Stainless Steel	SUS304

Head Loss Curve



Cavitation



Ordering Code

Model:

A6DV: Solenoid control valve with double chamber and Vport

A 6DV - 0200 - 16 - YYY

YYY: Special Code
Please Consult Factory

Pressure Rating:

10: PN10
16: PN16
TE: Table E

Size:

0080: 80 mm
0200: 200 mm