

FLOW CONTROL VALVE

Model: F8040

General Application:

Flow Control Valve prevents excessive flow by limiting flow to a preselected MAX. rate, regardless of changing line pressure, diaphragm valve. The pilot control response to the differential pressure produced across an orifice plate installed downstream of the valve. Accurate control is assured as very small changes in the controlling differential pressure produce immediate corrective action of the main valve. Flow rate adjustments are made by turning and adjusting screw on the pilot.

The valve includes an orifice plate with a holder the should be installed one to five pipe diameters downstream of the valve.

To guarantee accurate control of flow rate, there are several orifice plate with different hold optional for each size, see the additional table for selection of the orifice.

WALTER series of automatic control valves are Basic Valves to provide hydraulically driven solutions to pressure, flow and level control applications.

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.
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Technical Data:

Size Range: DN50~DN1000mm

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

Consult Factory for other applications

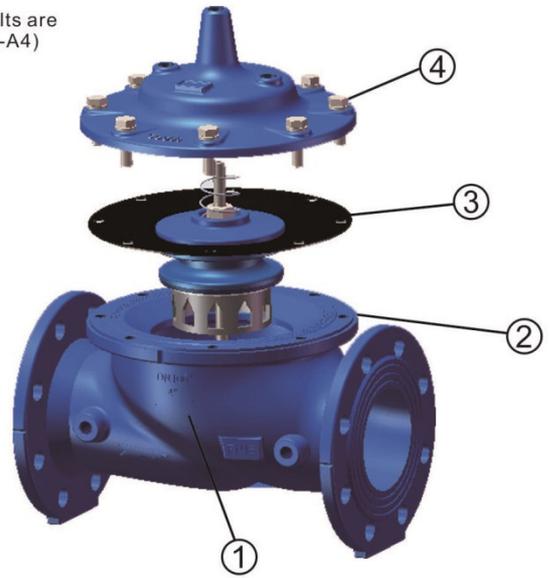
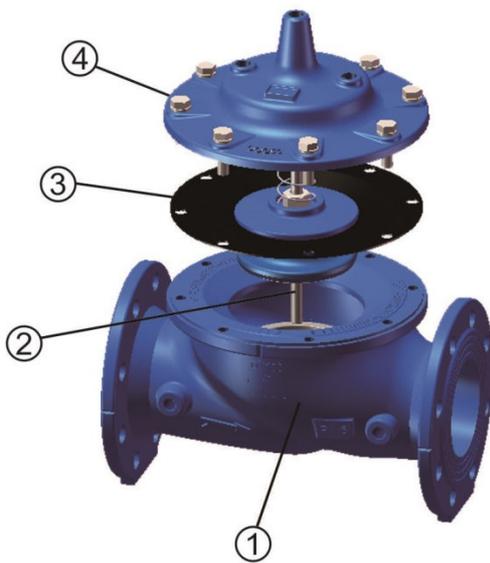
SUZHOU WALTER FLOW CONTROL EQUIPMENT CO., LTD.

No.668 Fengting Road, Industrial Park, Suzhou, China.

Tel: 0086-512-68622355 Fax: 0086-512-63065900

Professional Hydraulic Control Valves Manufacturer

- ① Body in ductile cast iron
GJS-500-7
- ② Shaft, obturator and seat body
are in stainless steel
- ③ Diaphragm in rubber +
nylon fiber
(tested for 1,000,000 cycles)
- ④ Internal / External bolts are
in stainless steel (A2-A4)



Solutions at the top
for high performance
product and
long lasting valve.



Heavy duty corrosion
protection by FBE epoxy
coating 300 microns

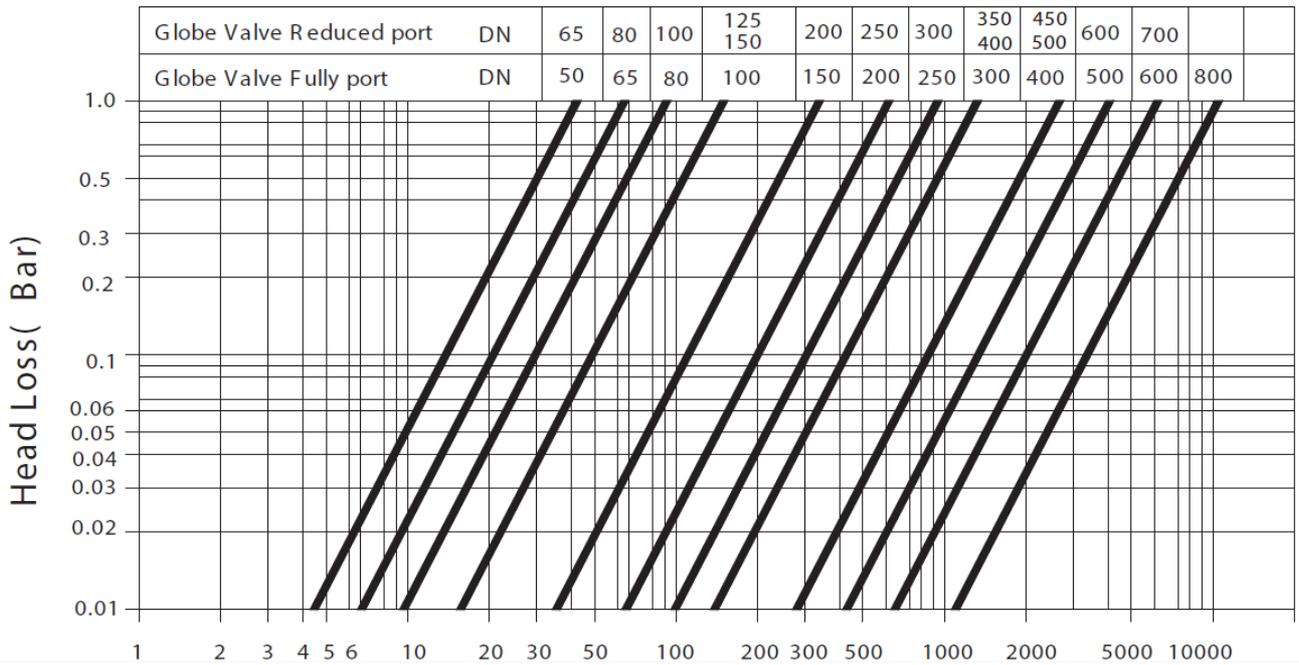
Replaceable seat in
stainless steel.



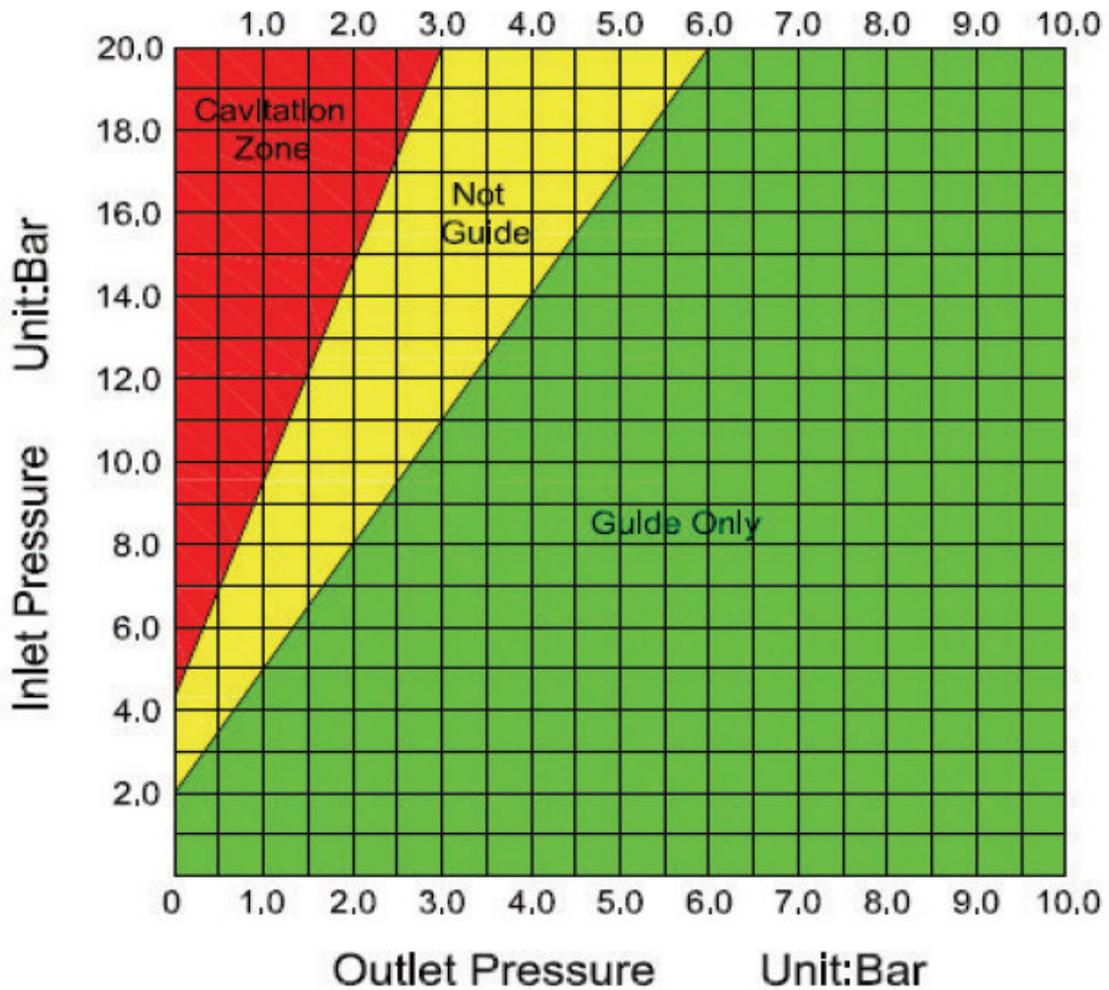
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Cavitation

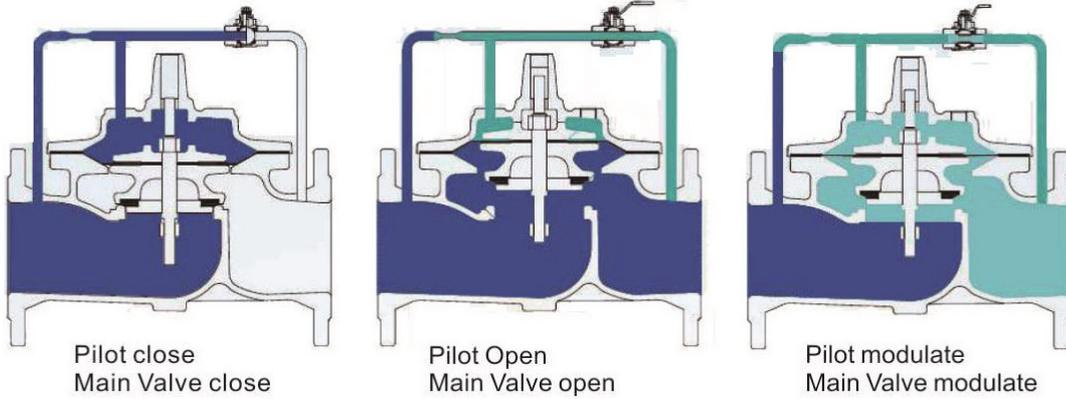


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Pilot Valve is the Brain of Main Valve



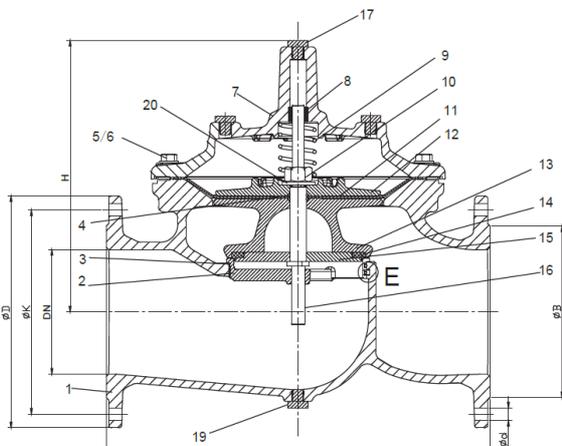
Parts List of Main Valve



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1	Body	Ductile Iron	GJS 500-7
2	Seat	Stainless Steel	AISI 304/316
3	O-ring	Rubber	NBR
4	O-ring	Rubber	NBR
5	Bolt	Stainless Steel	A2/A4
6	Washer	Stainless Steel	A2/A4
7	Bonnet	Ductile Iron	GJS 500-7
8	Bush	Bronze	C61900
9	Spring	Stainless Steel	AISI 304/316
10	Caulking Nut	Stainless Steel	A4
11	Diaphragm	Nylon Reinforced Rubber	EPDM +Nylon Fabric
12	Fixing holder	Ductile Iron	GJS 500-7
13	Disc Holder	Ductile Iron	GJS 500-7
14	Seal	Rubber	EPDM
15	Seat Retainer	Stainless Steel	AISI 304/316
16	Stem	Stainless Steel	AISI 304/316
17	Plug	Stainless Steel	AISI 304/316
18	Screw	Stainless Steel	A2/A4
19	Plug	Stainless Steel	A2/A4
20	Washer	Stainless Steel	A2/A4

Unit: mm

DN	L	ØD			ØK			H	N-Ød			ØB		
		PN10	PN16	PN25	PN10	PN16	PN25		PN10	PN16	PN25	PN10	PN16	PN25
50	230	165	165	165	125	125	125	177	4-Ø19	4-Ø19	4-Ø19	Ø99	Ø99	Ø99
65	290	185	185	185	145	145	145	202	4-Ø19	4-Ø19	8-Ø19	Ø118	Ø118	Ø118
80	310	200	200	200	160	160	160	219	8-Ø19	8-Ø19	8-Ø19	Ø132	Ø132	Ø132
100	350	220	220	235	180	180	190	243	8-Ø19	8-Ø19	8-Ø23	Ø156	Ø156	Ø156
*125	400	250	250	270	210	210	220	243	8-Ø19	8-Ø19	8-Ø28	Ø156	Ø156	Ø156
150	480	285	285	300	240	240	250	333	8-Ø23	8-Ø23	8-Ø28	Ø211	Ø211	Ø211
200	600	340	340	360	295	295	310	428	8-Ø23	12-Ø23	12-Ø28	Ø266	Ø266	Ø274
250	730	405	405	425	350	355	370	478	12-Ø23	12-Ø28	12-Ø31	Ø319	Ø319	Ø330
300	850	460	460	485	400	410	430	538	12-Ø23	12-Ø28	16-Ø31	Ø370	Ø370	Ø389
*350	980	520	520	555	460	470	490	550	16-Ø23	16-Ø28	16-Ø34	Ø429	Ø429	Ø448

DN	L	H	ØD			ØK			N-Ød			ØB		
			PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25
400	1100	710	580	580	620	515	525	550	16-Ø28	16-Ø31	16-Ø37	480	480	503
*450	1200	720	640	640	670	565	585	600	20-Ø28	20-Ø31	20-Ø37	530	548	548
500	1250	822	715	715	730	620	650	660	20-Ø28	20-Ø34	20-Ø37	582	609	609
600	1450	885	840	840	845	725	770	770	20-Ø31	20-Ø37	20-Ø40	682	720	720
*700	1650	910	910	910	960	840	840	875	24-Ø31	24-Ø37	24-Ø43	682	720	720
800	1850	1260	1025	1025	1085	950	950	990	24-Ø34	24-Ø40	24-Ø49	901	901	928