

Pressure Reducing Valve

FIG-1318

Specifications

- Reducing valve: reduces a higher inlet pressure to a lower outlet pressure.
- Constant outlet pressure over wide flow range.
- Pilot-operated main valve not subject to pressure fall off.
- Outlet pressure is adjustable with single screw.
- Can be maintained without removal from the pipe line.
- Adjustable opening/response speed
- Stabilized regulation at near-zero flow.
- Flange end to EN1092-2 PN10/PN16, ANSI B16.1 Class125.(Other available on request)
- Grooved Ends to AWWA C606 Standard .

Working Pressure

- Upstream pressure: Max 300PSI,175PSI,10Bar,16Bar.
- Downstream pressure: 30-165PSI.(Other pressures available on request)

Working Temperature

- 0°C - 82°C.

Corrosion Protection

- Enamel Paint or Fusion Bonded Epoxy Coated Interior and Exterior.

Notes:

Design and material are subject to change without notice.

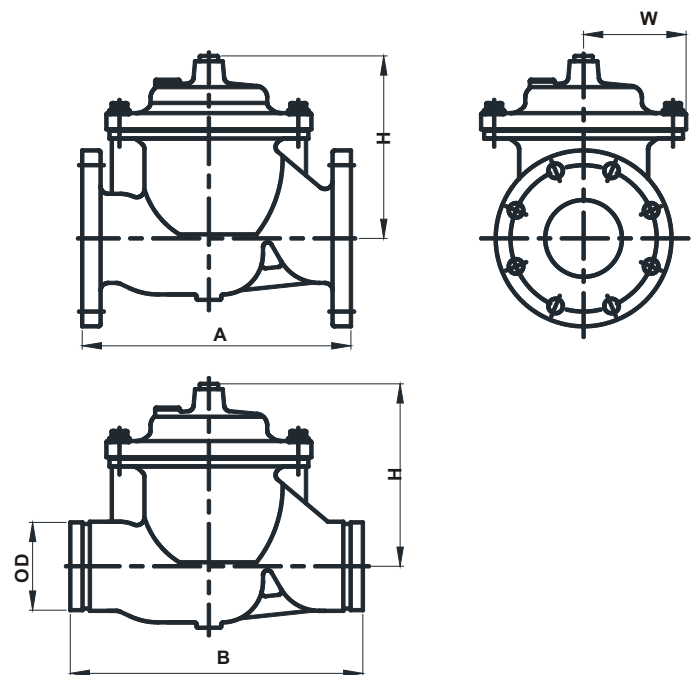
Material Specifications

Part Name	Material	ASTM Spec.
Body	Ductile Iron	A536 65-45-12
Bonnet	Ductile Iron	A536 65-45-12
Seat	Stainless Steel	AISI 304
Stem	Stainless Steel	AISI 304
Spring	Stainless Steel	AISI 304
Diaphragm	Nylon Reinforced, NBR/ Natural Rubber	
Seat Disc	NBR/EPDM	
Pressure Reducing Pilot	Bronze	B62 C62300

Dimensions (mm)

Size	A	B	OD	H	W
DN40	200	220	48.26	180	260
DN50	230	241	60.3	200	270
DN65	290	290	73.0	215	290
DN80	310	325	88.9	265	305
DN100	350	381	114.3	290	320
DN125	400	419	139.7/141.3	340	340
DN150	480	508	165.1/168.3	390	370
DN200	600	645	219.1	470	420
DN250	730	762	273	570	470
DN300	850	900	323.9	690	520

Schematic

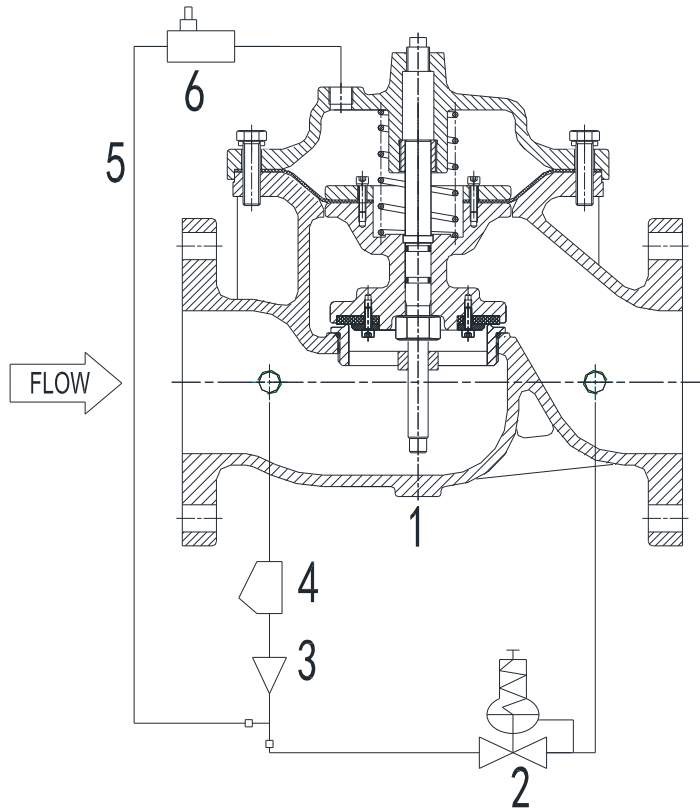


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FIG-1318

Components Assembly Schematic



No.	Components
1	Basic Control Valve
2	Pressure Reducing Pilot
3	Ejector

No.	Components
4	Y-strainer
5	Tubing/Fittings
6	Stabilizer

Operation

- The normally open spring loaded pilot sensing downstream pressure responds to changes in pressure and causes the main valve to do the same.
- The net result is a constant modulating action of the pilot and main valve to hold the downstream pressure constant.
- The pilot system is equipped with an opening speed control that fine tunes the valve response to the system variables.

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