

Pressure Reducing Valve

FIG. F1318

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 remove from the pipe line.
- Adjustable opening/response speed.
- Stabilized regulation at near-zero flow.
- Flanged ends to EN 1092-2PN10/PN16, ANSI B16.1 Class125. (Other available on request)
- Grooved Ends to AWWA C606 Standard.
- GOST certificated.

Working Pressure

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

Working Temperature

- 0°C to 87°C.

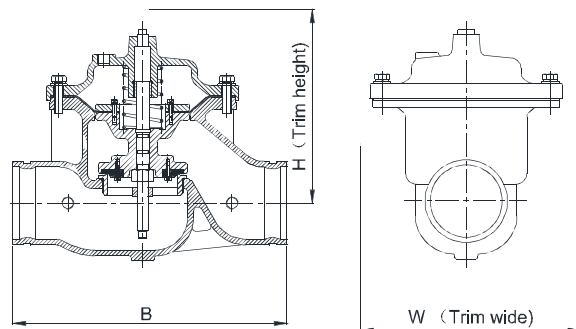
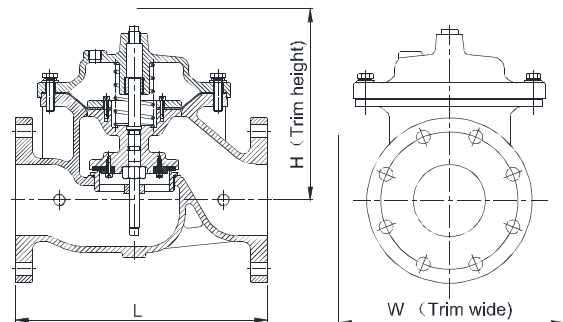
Corrosion Protection

- Enamel Paint Fusion Bonded Epoxy Coated Interior and Exterior.

Material Specifications

Part	Material	ASTM Specification
Body	Ductile Iron	A536 Grade 65-45-12
Bonnet	Ductile Iron	A536 Grade 65-45-12
Seat	Stainless Steel	A276 Grade 304
Stem	Stainless Steel	A276 Grade 304
Spring	Stainless Steel	A276 Grade 304
Diaphragm	Nylon Reinforced, NBR/Natural Rubber	
Seat Disc	NBR/EPDM	
Pressure Reducing Pilot	Bronze	B62 C62300

Schematic



Main Dimensions (mm /inch)

Size	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
L	200/7.87	230/9.05	290/11.42	310/12.2	350/13.78	400/15.75	480/18.9	600/23.6	730/28.75	850/33.46
B	220/8.66	241/9.48	290/11.42	325/12.8	381/15	419/16.5	508/20	645/25.4	762/30	900/35.43
H	180/7.1	200/7.9	215/8.46	265/10.45	290/11.42	340/13.4	390/15.35	470/18.5	570/22.45	690/27.2
W	410/16.2	420/16.6	440/17.35	455/18	470/18.5	490/19.3	540/21.25	590/23.23	640/25.2	690/27.2

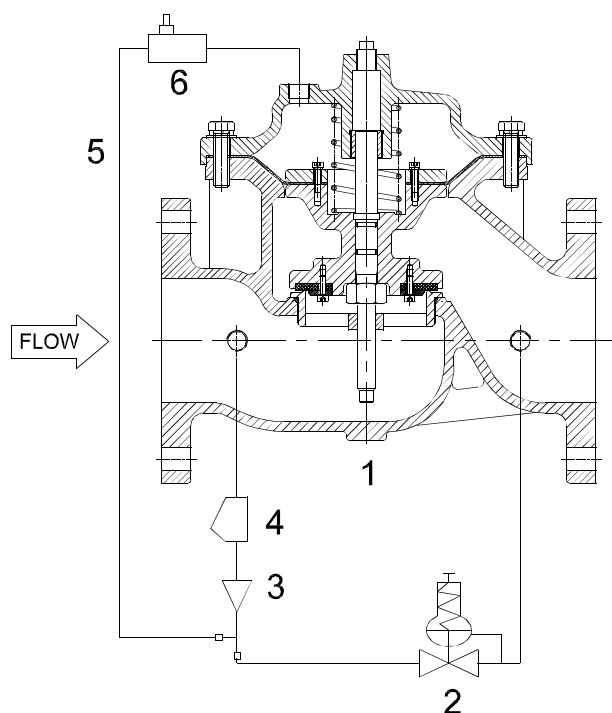
Notes

• Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.

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FIG. F1318

Components Assembly Schematic



NO.	Components	NO.	Components
1	Basic Control Valve	4	Y-strainer
2	Pressure Reducing Pilot	5	Tubing/Fittings
3	Ejector	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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