

Pressure Relief Valve

FIG. F1319

Specifications

- Relief valve: Limits inlet pressure by relieving excess pressure.
- Pressure sustaining: Prevents pipe line pressure from rising to a maximum valve.
- Operates over a wide flow range.
- Set pressure is adjustable with single screw.
- Quick opening and adjustable closing speed.
- Flanged to EN 1092-2PN10/PN16, ANSI B16.1 Class125. (Other available on request)
- Grooved ends to AWWA C606 Standard.

- UL 1478 listed.
- GOST certificated.

Working Pressure and Temperature

- 300psi @ 0°C–82°C.

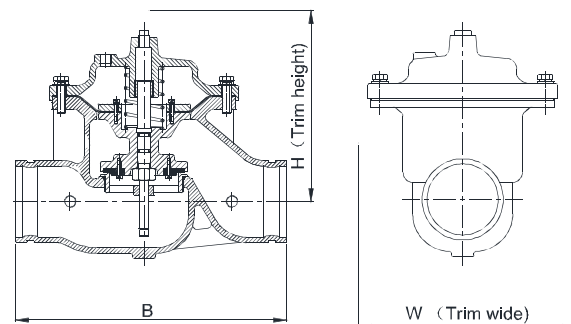
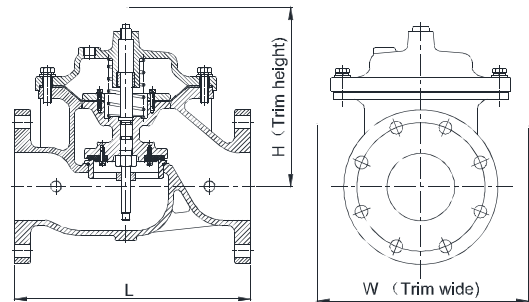
Corrosion Protection

- Fusion bonded coating interior and exterior meet or exceed all applicable of AWWA C550 standard.

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	310/12.2	360/14.2	380/15	450/17.75	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

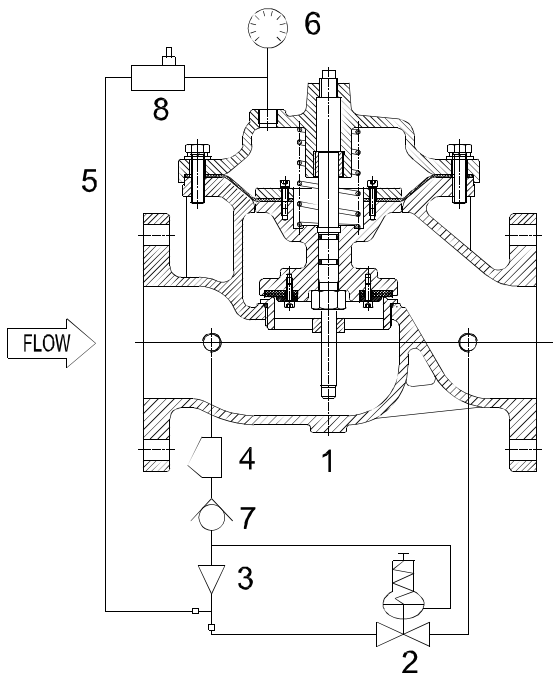
- 1.5" to 8" valves were UL listed.

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

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FIG. F1319

Components Assembly Schematic



NO.	Components
1	Basic Control Valve
2	Pressure Relief
3	Ejector
4	Y-Strainer
5	Tubing/Fittings
6	Pressure Gauge
7	Check Valve
8	Stabilizer

Recommended Installation

- Install the valve with adequate space and above and around the valve to facilitate servicing. Refer to the Dimensions Table.
- Valve should be installed with the bonnet(cover)at the top particularly 8"(DN 200)and larger valve, and any valve with limit switch.
- Shut-off valves should be installed upstream and downstreams of the control valve. These are used to isolate the control valve during startup and maintenance.
- Install a pressure gauge upstream of the valve to enable adjustment to the required pressure setting. This gauge may be installed in the upstream side port of the valve body.

Operation

- The normally closed, spring-loaded pilot, sensing upstream pressure, responds to changes in pressure upstream of the main valve, and causes the main valve to do the same.
- The net results is a constant modulating action of the pilot and main valve to hold the upstream pressure constant.
- The pilot system is equipped with a closing speed control that can make the valve response to the system variables.

Notes

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