

Pressure Relief Valve FIG-1319

Specifications

- Relief valve: Limits inlet pressure by relieving excess pressure.
- Pressure sustaining: Prevents inlet pressure from dropping below a predetermined minimum.
- Operates over a wide flow range.
- Inlet pressure is adjustable with single screw.
- Quick opening and adjustable closing speed.
- Can be maintained without removal from the pipe line.
- Flanges to EN1092-2 PN10/PN16, ANSI B16.1 Class 125. (Other available on request)
- Groove end to AWWA C606 Standard.

Working Pressure

- Max300PSI

Working Temperature

- 0°C - 82°C.

Corrosion Protection

- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard.

Notes:

Design and material are subject to change without notice.

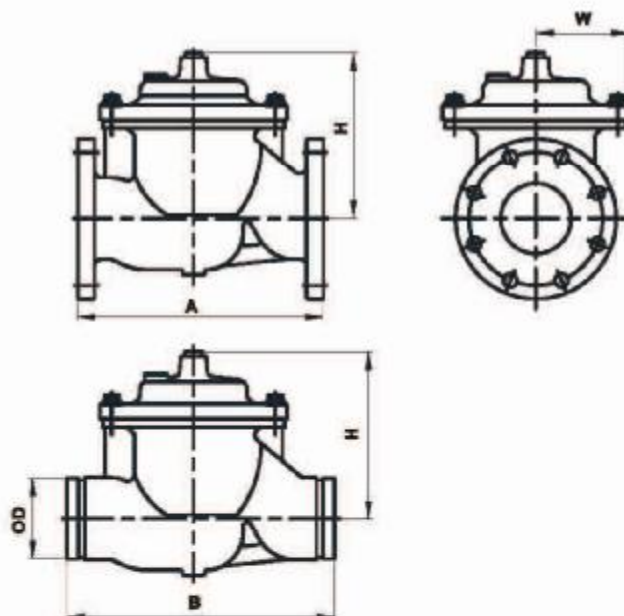
Material Specifications

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	418	138.7/141.3	340	340
DN150	480	508	165.1/168.3	390	370
DN200	600	646	219.1	470	420
DN250	730	762	273	570	470
DN300	850	900	323.8	690	520

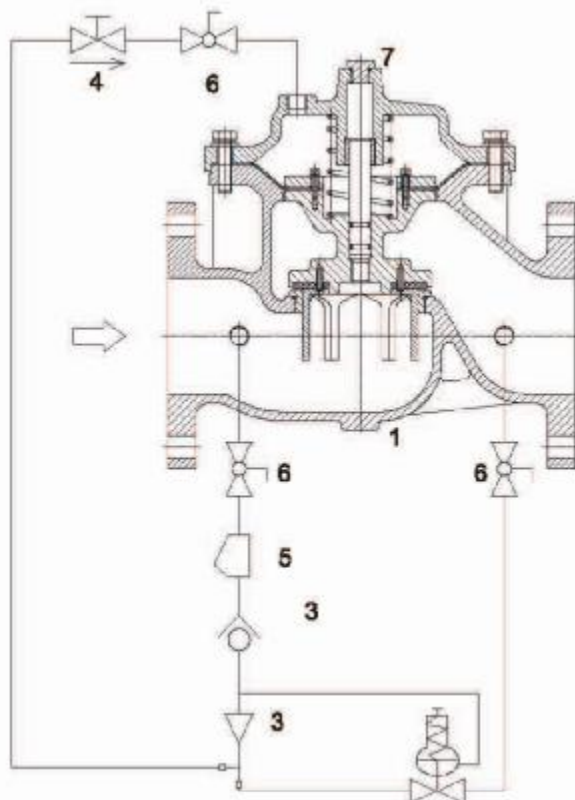
Schematic



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

Pressure Relief Valve FIG. 1319

Components Assembly Schematic



No.	Components
1	Basic Control Valve
2	Pressure Relief
3	Ejector
4	Flow Control Valve
5	Y-Strainer
6	Isolation Ball Valve
7	Plug or Visual Indicator

Recommended Installation

- Install the valve with adequate space 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" (DN200) and larger valve, and any valve with limit switch.
- Shut-off valves should be installed upstream and downstream 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 result 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 respond to the system variables.

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