

Pressure Reducing Valve, FL x GR

FIG. 1318-FG

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.
- Adjustable opening / response speed.
- Stabilized regulation at near-zero flow.
- Flanged and drilling complies with EN1092-2 PN10/16; ANSI B16.1 Class125.
- Grooved end complies with AWWA C606 Standard.
- Upstream pressure: Max 300 psi, 175 psi, 10 bar, 16 bar.
- Downstream pressure: 15 psi - 60 psi, 35 psi - 85 psi, 65 psi - 165 psi.

Material Specification

Main Valve

Part	Material	EN Specification	ASTM Specification
Body	Ductile Iron	EN 1563 EN-GJS-450-10	A536 Grade 65-45-12
Bonnet	Ductile Iron	EN 1563 EN-GJS-450-10	A536 Grade 65-45-12
Seat	Stainless Steel	EN 10213 GX5CrNi19-10	A351 Grade CF8
Stem	Stainless Steel	EN 10088 X5CrNi18-10	A276 Type 304
Diaphragm	Nylon Reinforced Natural Rubber/EPDM/NBR		
Seat Disc	Rubber	EN 681 EPDM/NBR	D2000 EPDM/NBR
Pressure Reducing Pilot	Bronze	EN 12420 CW306G	B148 C95200

Trim

No.	Components	No.	Components
1	Basic Control Valve	5	Y-Strainer
2	Pressure Reducing Pilot	6	Isolation Ball Valve(optional)
3	Ejector	7	Flow Control Valve
4	Flow Control Valve	8	Pressure Gauge

Main Dimensions (mm)

Size	DN40	DN50	DN65	DN80	DN100
L	210	236	290	318	368
H	180	200	215	265	290
W	260	270	290	305	320
OD	48.26	60.3	73	88.9	114.3

Size	DN125	DN150	DN200	DN250	DN300
L	410	494	623	746	875
H	340	390	470	570	690
W	340	370	420	470	520
OD	139.7/141.3	165.1/168.3	219.1	273	323.9

Notes

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

