PRESSURE REDUCING VALVE WITH LOW FLOW BY-PASS

PN16 F6316-PPR-LF

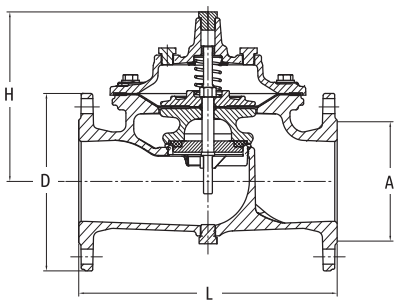
FEATURES & SPECIFICATIONS

- Automatic reduces the higher inlet pressure to a steady lower downstream pressure, regardless of fluctuating demand or varying upstream pressure
- The low flow by-pass lets a small amount of fluid pass through to keep the pressure steady when demand is low. This stop the valve from constantly turning on and off
- Pilot-operated regulator capable of holding downstream pressure to a pre-determined limit. The main valve and pilot valve will close when the downstream pressure exceeds the setting of the control pilot
- Full bore globe pattern design for superior control characteristic
- Nylon reinforced diaphragm for long-lasting performance
- Durable fusion bonded epoxy coated
- Design comply with EN 1074 -5
- Flange drilled to EN 1092-2 PN16 / ANSI Class 150 (Specify on order)



PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 110°C (EPDM) -10°C ... 80°C (NBR)
Suitable Media	Water
Setting Range	1 ... 12bar



MATERIAL SPECIFICATIONS

Part	Material	Specification	Part	Material	Specification
Body	Ductile Iron	EN-JS 1050	Seat Retainer	Stainless Steel 304	EN 10088-3 1.4301
Bonnet	Ductile Iron	EN-JS 1050	Spring	Stainless Steel 304	EN 10088-3 1.4301
Plug	Stainless Steel 304	EN 10088-3 1.4301	Diaphragm	Nylon Reinforced Rubber	EPDM + Nylon Fabric
Stem	Stainless Steel 304	EN 10088-3 1.4301	Seal Ring	Rubber	EPDM
Seat	Stainless Steel 304	EN 10088-3 1.4301	O-Ring	Rubber	NBR

DIMENSIONS

(mm)

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
(inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
L	230	290	310	350	400	480	600	730	850	980	1100	1200	1250	1450
H	165	195	225	230	240	240	430	545	605	550	710	720	825	885
D	165	185	200	220	250	285	340	405	460	520	580	640	715	840
A	99	118	132	156	184	211	266	319	370	429	480	548	609	720

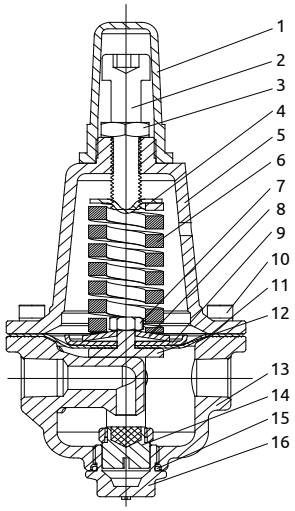
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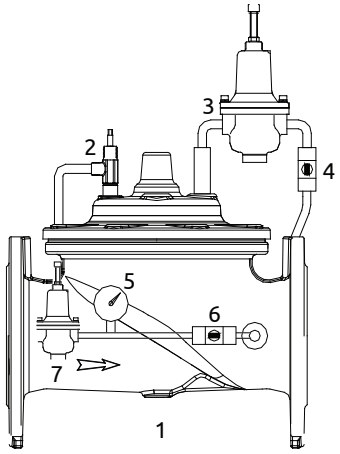
PN16 F6316-PPR-LF

PILOT VALVE SPECIFICATION

No.	Description	Material	No.	Description	Material
1	Cap	ABS Plastic	10	Screw	Stainless Steel 304
2	Adjusting Screw	Stainless Steel 304	11	Diaphragm	Nylon Reinforced EPDM
3	Jam Nut	Stainless Steel 304			
4	Spring Table	Stainless Steel 304	12	Yoke	Stainless Steel 304
5	Bonnet	Stainless Steel 304	13	Body	Stainless Steel 304
6	Spring	Spring Steel	14	Disc	Stainless Steel 304 + EPDM
7	Nut	Stainless Steel 304			
8	Spring Table	Spring Steel	15	O-Ring	NBR
9	Fixing Holder	Stainless Steel 304	16	Plug	Stainless Steel 304

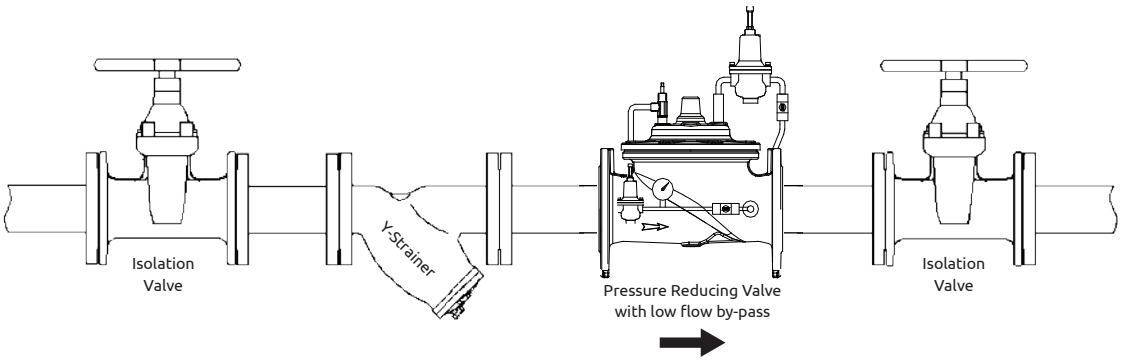


VALVE COMPOSITION



1	Main Valve
2	Needle Valve
3	Pilot Valve (P200)
4	Ball Valve
5	Pressure Gauge
6	Ball Valve
7	By-pass

TYPICAL CONNECTION



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