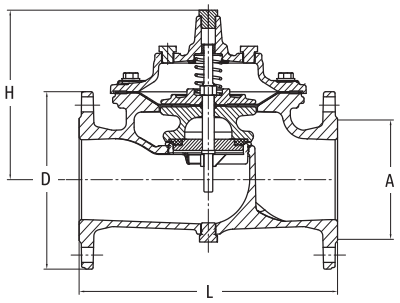
FLOW CONTROL VALVE

PN16 F6316-FCV
PN25 F6325-FCV

FEATURES & SPECIFICATIONS

- Maintain constant flow, regardless of fluctuations of system pressure
- The flow rate is adjustable at the pilot, it senses the pressure differential across an orifice plate mounted in the valve outlet flange
- Whenever the system pressure changes, the pilot responds and modulate the main valve to maintain the desired flow
- 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 / EN 1092-2 PN25 / ANSI Class 150 (Specify on order)





PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar	25bar
Shell Test Pressure (x1.5)	24bar	37.5bar
Seat Test Pressure (x1.1)	17.6bar	27.5bar
Working Temperature	-20°C ... 110°C (EPDM) -10°C ... 80°C (NBR)	
Suitable Media	Water	

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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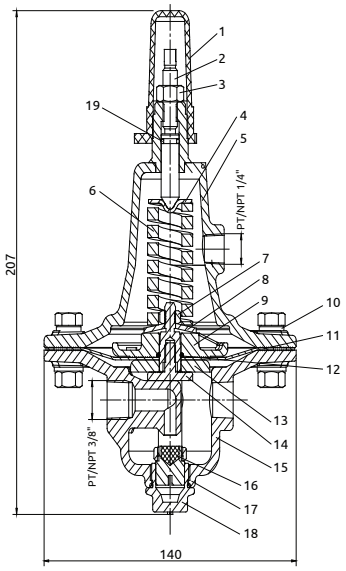
FLOW CONTROL VALVE

PN16 F6316-FCV
PN25 F6325-FCV

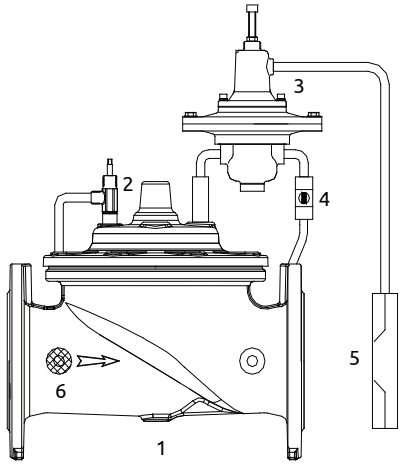
PILOT VALVE SPECIFICATION

No.	Description	Material
1	Cap	ABS Plastic
2	Adjusting Screw	Stainless Steel 304
3	Jam Nut	Stainless Steel 304
4	Spring Table	Stainless Steel 304
5	Bonnet	Stainless Steel 304
6	Spring	Spring Steel
7	Nut	Stainless Steel 304
8	Spring Table	Spring Steel
9	Fixing Holder	Stainless Steel 304
10	Screw	Stainless Steel 304

No.	Description	Material
11	Diaphragm	Nylon Reinforced + EPDM
12	O-Ring	NBR
13	Gasket	Stainless Steel 304
14	Stem	Stainless Steel 304
15	Body	Stainless Steel 304
16	Disc	Stainless Steel 304 + EPDM
17	O-Ring	NBR
18	Plug	Stainless Steel 304
19	O-Ring	NBR

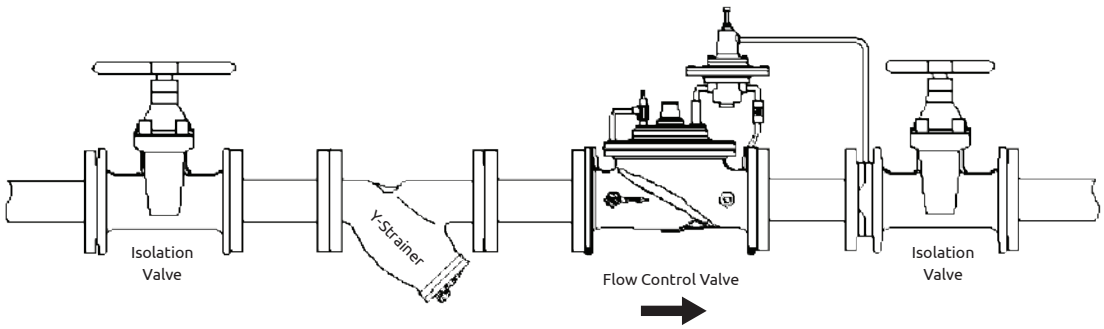


VALVE COMPOSITION



1	Main Valve
2	Needle Valve
3	Pilot Valve (P400)
4	Ball Valve
5	Orifice Kit
6	Strainer

TYPICAL CONNECTION



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