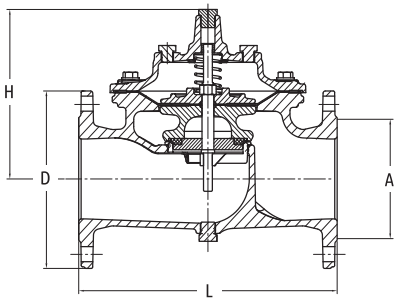
PRESSURE DIFFERENTIAL VALVE

PN16 F6316-PPD
PN25 F6325-PPD

FEATURES & SPECIFICATIONS

- The pressure differential valve will open against the system pressure differential whenever exceeds the pilot setting
- 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

Fivalco reserves the right to alter the information in this document without prior notice. Fivalco shall not be liable for technical errors or omissions contained herein.
Images are for illustrative purposes only. Refer to local sales representatives for detail catalogues, technical data and specifications.

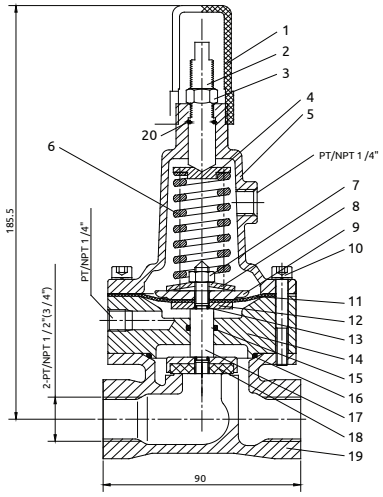
PRESSURE DIFFERENTIAL VALVE

PN16 F6316-PPD
PN25 F6325-PPD

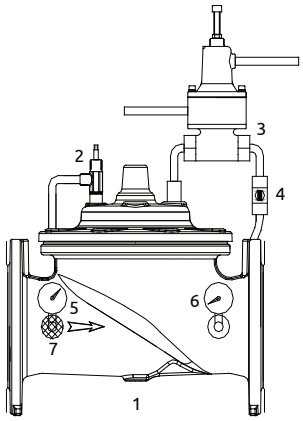
PILOT VALVE SPECIFICATION

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
11	Diaphragm	Nylon Reinforced + EPDM

No.	Description	Material
12	Gasket	Stainless Steel 304
13	O-Ring	NBR
14	Internal Body	Stainless Steel 304
15	O-Ring	NBR
16	O-Ring	NBR
17	Stem	Stainless Steel 304
18	Disc	Stainless Steel 304 + EPDM
19	Body	Stainless Steel 304
20	O-Ring	NBR

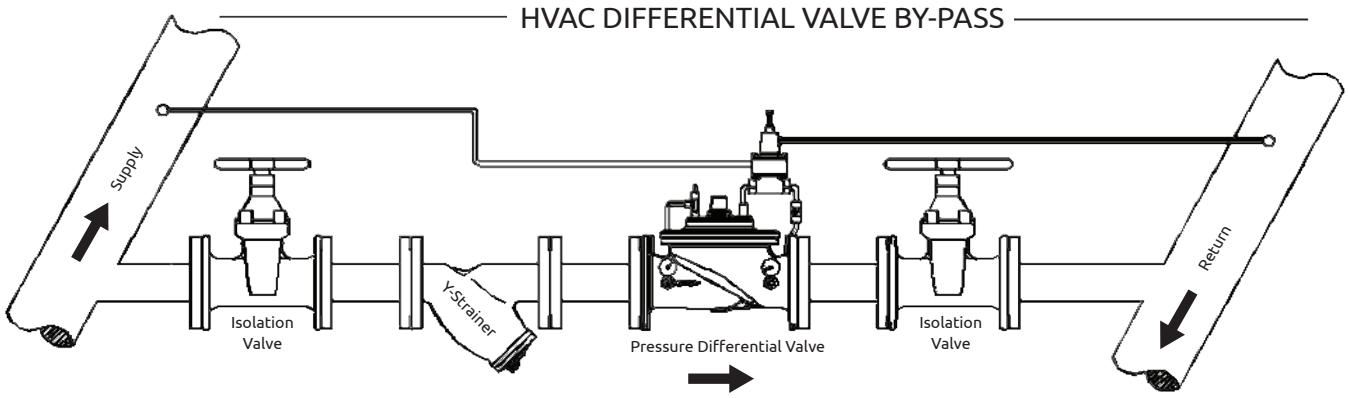


VALVE COMPOSITION



1	Main Valve
2	Needle Valve
3	Pilot Valve P800
4	Ball Valve
5	Inlet Pressure Gauge
6	Outlet Pressure Gauge
7	Strainer

TYPICAL CONNECTION



Fivalco reserves the right to alter the information in this document without prior notice. Fivalco shall not be liable for technical errors or omissions contained herein.
Images are for illustrative purposes only. Refer to local sales representatives for detail catalogues, technical data and specifications.