Measure Monitor Control

P26

Low Pressure Sustaining - Back Pressure Valve

Benefits & Features

- Suitable for air, water, light oils etc.
- Large diameter diaphragm is sensitive at low pressures
- Pressure gauge (supplied) indicates the inlet pressure
- 316 Stainless Steel body
- BSP, NPT or flanged ports

Specification

Configuration	Direct Acting
Port Sizes	1/2” to 2” BSP/NPT screwed ports. 1/2” - 2” PN16 Flanged
Body test pressure	35 Bar
Max. Applied pressures	25 Bar inlet. Outlet pressure range: 0.2-1.5 Bar
Body	316 Stainless Steel
Media	Water, Air, Gases etc
Temperature range	-10 to + 90°C with VITON seals

Technical Data

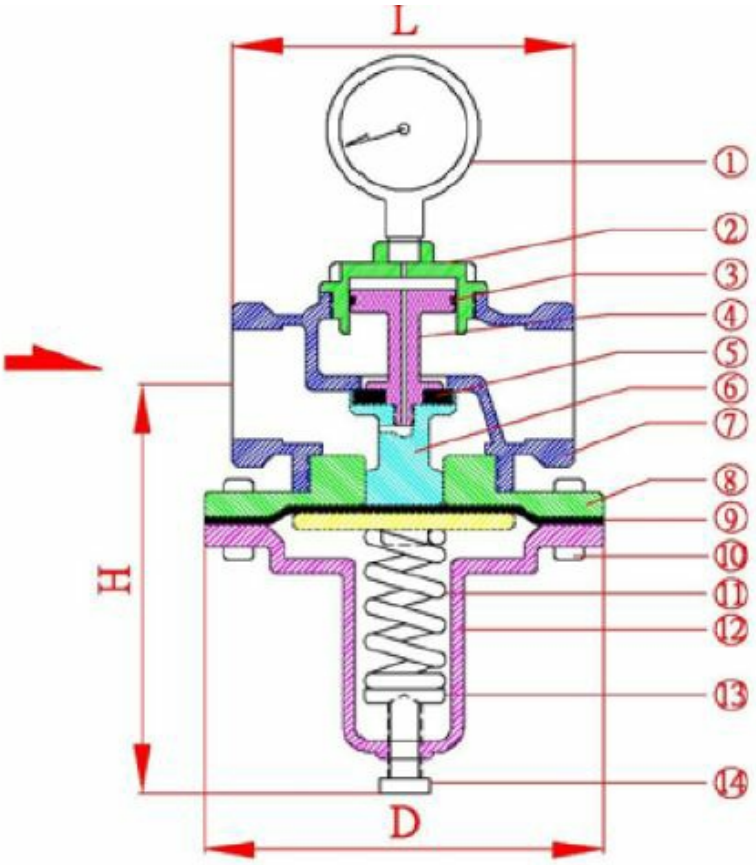
Model: Screwed Port						Orifice mm	Nominal Pressure	Pressure in Bar	CV
	A		B	C				test pressure	
P26	I	15	F/G		1/2”	15	10	16	2.4
P26	I	20	H/I		3/4”	20	10	16	9
P26	I	25	L/M		1”	25	10	16	11
P26	I	40	O/V		1 1/2”	40	10	16	21
P26	I	50	P/W		2”	50	10	16	25
Model: Flanged PN16. ANSI 150 available upon request.									
P26	I	15	FL		1/2”	15	10	16	2.4
P26	I	20	FL		3/4”	20	10	16	9
P26	I	25	FL		1”	25	10	16	11
P26	I	40	FL		1 1/2”	40	10	16	21
P26	I	50	FL		2”	50	10	16	25

Order Codes

A	Body	B	Ported Body	Flanged Body PN16. ANSI 150 upon request.		C	Seals (fluid temp. min / max)
I	316 Stainless Steel	F	1/2” BSP	12A	1/2” PN16	1	VITON (-10°C to + 90°C)
		H	3/4” BSP	34A	3/4” PN16		
		L	1” BSP	1A	1” PN16		
		O	1 1/2” BSP	15A	1 1/2” PN16		
		P	2” BSP	2A	2” PN16		

Low Pressure Sustaining - Back Pressure

Materials of Construction



No.	Description	Material
1	Gauge	Stainless Steel
2	Cover	316 Stainless Steel
3	U ring	NBR/VITON
4	Shaft	316 Stainless Steel
5	Sealing Spacer	NBR/VITON
6	Diaphragm Shaft	316 Stainless Steel
7	Main Body	316 Stainless Steel
8	Diaphragm Cover	316 Stainless Steel
9	Diaphragm	EPDM/VITON
10	Fixed Bolt	304 Stainless Steel
11	Spring	Spring Steel
12	Spring Cover	316 Stainless Steel
13	Spring Washer	Brass
14	Adjusting Bolt	304 Stainless Steel

Weights & Dimensions

Screwed Port	Weight Kg	Dimensions mm		
		H	L	D
1/2”	0.8	110	70	105
3/4”	1	125	85	105
1”	1.05	125	90	105
1 1/2”	2.3	155	115	145
2”	2.5	155	120	145

B

Low Pressure Sustaining - Back Pressure

Flow Chart

Pressure Loss	0	0.1	0.2	0.5	0.8	1.1	1.3	1.5
1/2”	0	8	15	33	44	50	52	54
3/4”	0	12	22	50	70	81	85	87
1”	0	14	28	65	90	106	112	116
1 1/2”	0	16	33	77	115	145	161	170
2”	0	18	35	90	134	168	185	196