

## Pressure Reducing Valves - Micro Pressures

### Benefits & Features

- Large internal diaphragm is sensitive and accurate
- Micro pressures to 0.03 - 0.15 Bar
- 316 Stainless Steel body
- High accuracy, and dependable in operation
- Included pressure gauge indicates the adjusted pressure



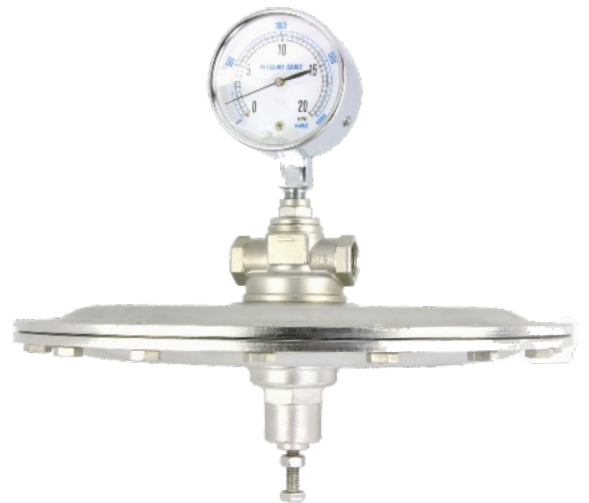
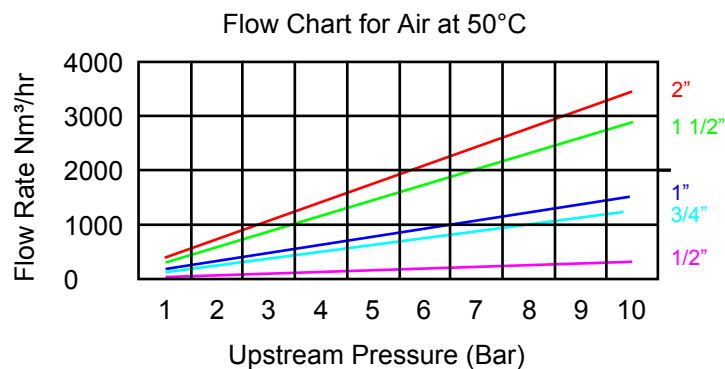
### Specification

<b>Configuration</b>	Direct Acting
<b>Port Sizes</b>	1/2" to 2" BSP/NPT screwed ports. 1/2" - 2" PN16 Flanged
<b>Body test pressure</b>	16 Bar
<b>Max. Applied pressures</b>	10 Bar inlet. Outlet pressure range: 0.03 - 0.15 Bar
<b>Body</b>	316 Stainless Steel
<b>Media</b>	Water, Air, Gases, Light Oils
<b>Max. Temp</b>	+ 80°C (NBR)

### Technical Data

Model: Screwed Port					Orifice mm	Nominal Pressure	Pressure in Bar	
	A	B	C	test pressure				
P39	I	15	F/G		1/2"	15	10	16
P39	I	20	H/I		3/4"	20	10	16
P39	I	25	L/M		1"	25	10	16
P39	I	40	O/V		1 1/2"	40	10	16
P39	I	50	P/W		2"	50	10	16

### Flow Characteristics

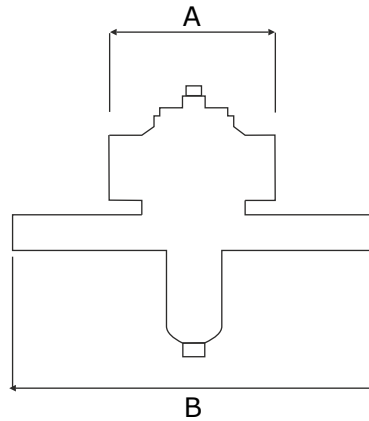


## Pressure Reducing Valves - Micro Pressures

### Weights & Dimensions

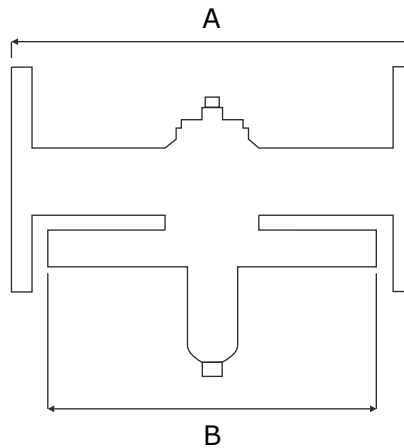
#### Screwed model

Port Size	Weight Kg	Dimensions mm	
		A	B
1/2"	12	70	310
3/4"	12	85	310
1"	12	90	310
1 1/2"	14	115	310
2"	16	120	310



#### Flanged model

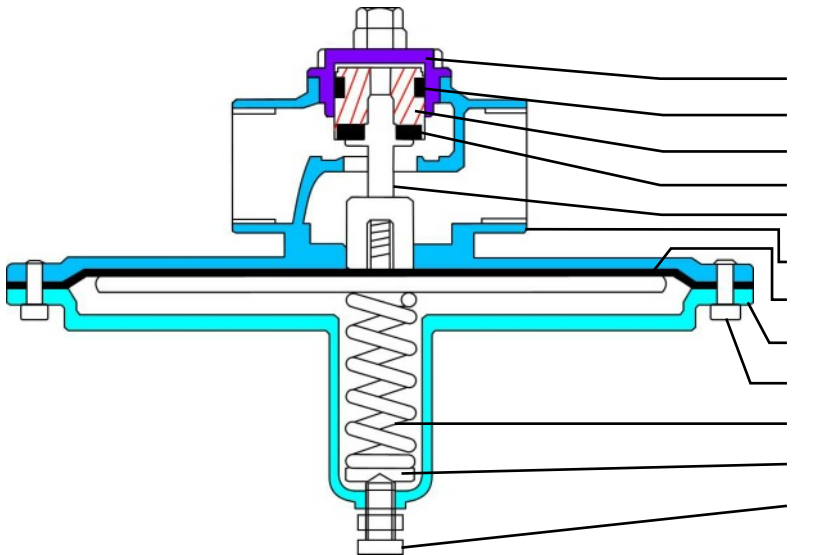
Port Size	Weight Kg	Dimensions mm	
		A	B
1/2"	13.2	410	310
3/4"	14	410	310
1"	15.8	410	310
1 1/2"	19.8	410	310
2"	25.5	410	310



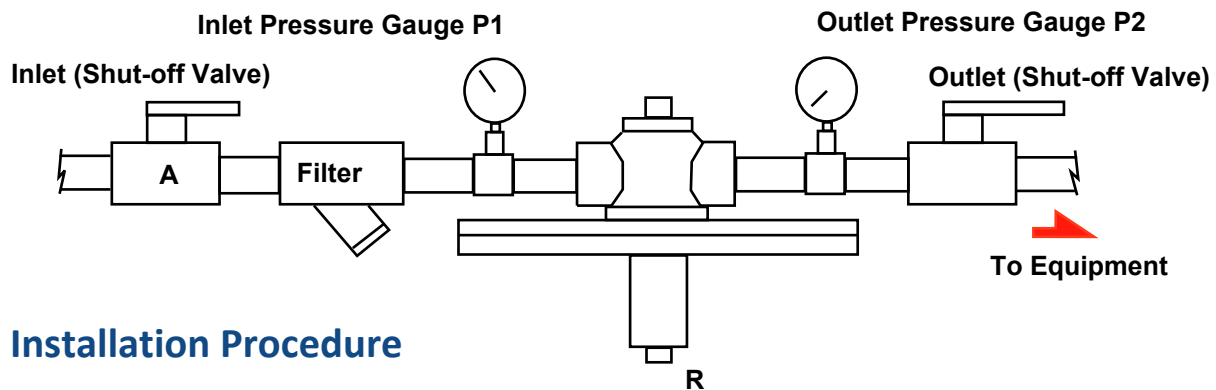
### Order Codes

A	Body	B	Ported Body	C	Seals (fluid temp. min / max)	
I	316 Stainless Steel	F	1/2" BSP	G	1/2" NPT	0 NBR (-15°C to + 80°C)
		H	3/4" BSP	I	3/4" NPT	
		L	1" BSP	M	1" NPT	
		O	1 1/2" BSP	V	1 1/2" NPT	
		P	2" BSP	W	2" NPT	

## Installation Instructions



Part	Part Name	Material
1	Cover	316 Stainless Steel
2	UH-Ring	Depends on the media
3	Piston	316 Stainless steel
4	Sealing	Depends on the media
5	Shaft	316 Stainless Steel
6	Main Body	316 Stainless Steel
7	Diaphragm	Depends on the media
8	Spring Cover	316 Stainless Steel
9	Stem	304 Stainless Steel
10	Spring	Spring Steel
11	Washer	Brass
12	Stem	304 Stainless Steel



## Installation Procedure

### Before Installation:

1. Clean & remove all impurities inside the pipe. A filter is recommended upon installation.
2. Make sure the direction of the valve is observed with respect to the media flow.
3. The set pressure increases by turning the adjusting stem R clockwise.
4. The Pressure Gauge indicates the Outlet Pressure.
5. The P39 must be installed in the horizontal plain, with the adjusting stem R down.

### Adjusting The Set Pressure:

1. Make sure shut off valves A and B are closed.
2. Turn the adjusting stem R anti-clockwise to completely reduce any pressure.
3. Fully open Valve B and then open valve A to a third of fully open.
4. Close valve B slowly and make sure the pressure gauge P2 is in the normal range.
5. If correct, slowly turn valve B fully closed.
6. Turn adjusting stem R clockwise (in) to the desired set pressure.
7. Slowly turn valve A from 1/3 open to fully open.
8. Shut off valve B slowly to check the reducing valve can function.
9. Open and close valve B several times slowly, in order to check whether the pressure Remains at the desired set point.
10. Open valve B, and fix the adjusting stem to the correct set pressure.