

Back Pressure Regulators

VSR-51 Series

VIGOUR

Product Features

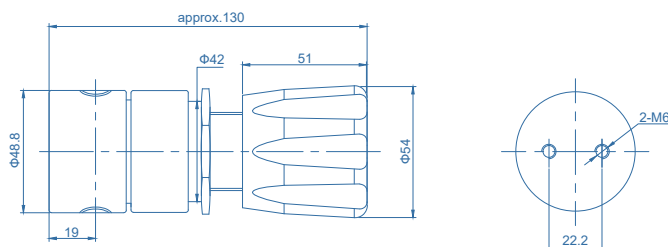
- Reduces contamination and provides accurate regulation of corrosive or non-corrosive gases
- Close pressure differential between crack and reseal
- Compact and economical
- Panel mounting is available
- Tested for use with oxygen

Typical Applications

- Analytical systems
- Gas sampling
- pilot plants
- OEM packages
- R & D laboratories



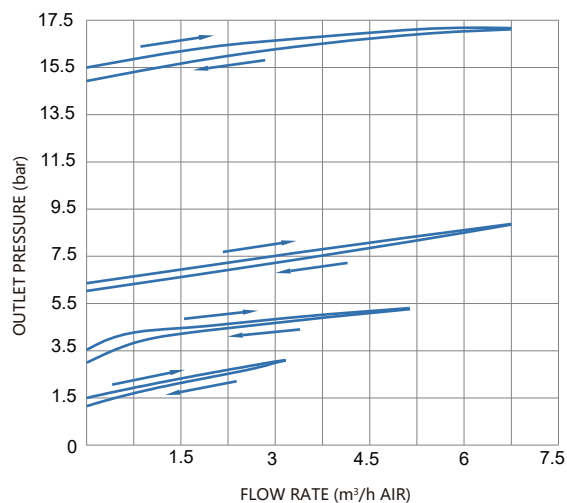
Dimensions (mm)



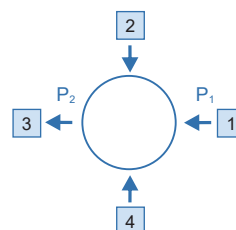
Technical Data

Backpressure:	max. 17 bar
Controlled pressure:	see ordering info
Materials	
Body regulator, Relief valve:	see ordering info
Valve seat:	PCTFE (standard) / Vespe ^l ®(option)
Diaphragm:	Hastelloy [®]
Filter:	SS 316L
Inlets and Outlets:	1/4"NPT(F)
Temperature range:	-30°C to +74°C
Leak rate:	Bubble tight
Flow capacity:	Cv=0.08
Weight:	1kg

Flow Chart



Ordering Information



Inlets / Outlets

F4: 1/4" NPT(F) | P: Gauge (Psig/bar) | B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 51P S - 17 - 1 - 2 - 3 - 4 - VS - N₂

Type

L: Line mounting
P: Panel mounting

Body Material

S: 316L
C: Chrome Plated Brass

Controlled Pressure Range

2: 0-2 bar
4: 0-4 bar
7: 0-7 bar
17: 0-17 bar

Type of Gas

Please specify type of gas

Valve Seat

None: PCTFE
VS: Vespel®

Ordering Example

Example: VSR - 51LS - 17 - F4 - P - F4 - B - O₂

1 - 2 - 3 - 4



* For mixed gases, please specify cylinder connection standard and thread when ordering.

