

Cylinder Pressure Regulators

VSR-3 Series

Product Features

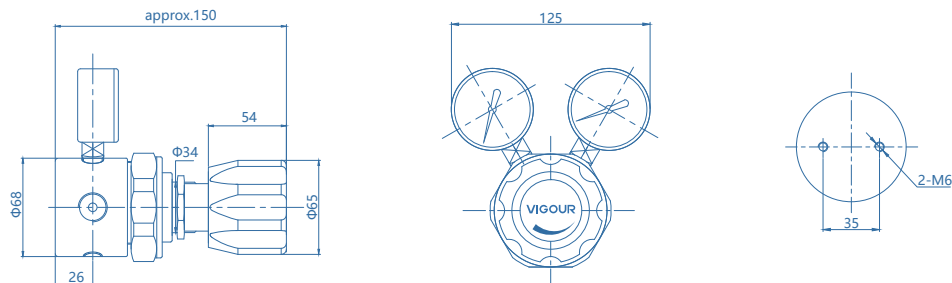
- Pressure regulator, special design for manifold application
- Brass chrome plated body and bonnet for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- 6 ports flexible configuration
- Stable outlet pressure
- Simple outlet pressure limitation by handwheel
- Inlet filter
- Tested for use with oxygen



Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment

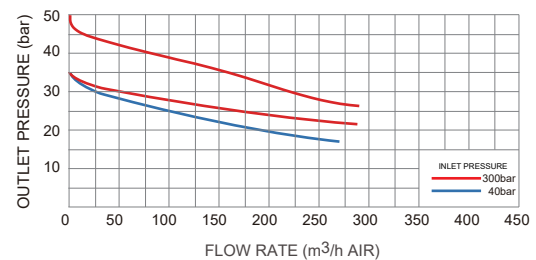
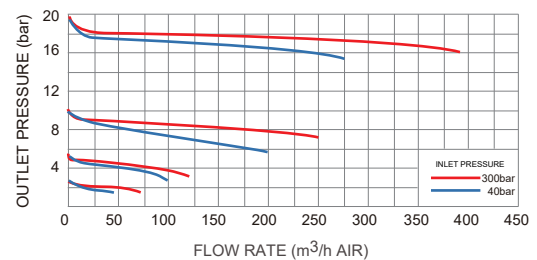
Dimensions (mm)



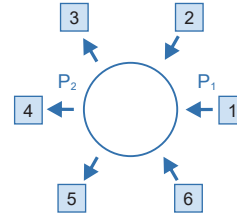
Technical Data

Type:	single-stage
Inlet pressure P ₁ :	max. 300 bar
Outlet pressure P ₂ :	2/4/8/10/20/35/50 bar
Materials	
Body regulator, Relief valve:	see ordering info
Valve seat:	PCTFE
Diaphragm:	Hastelloy® C276
O-ring:	Viton® (FKM)
(option)	Kalrez® (FFKM)
Filter:	SS 316L
Inlets and Outlets:	see ordering info
Temperature range:	-30°C to +74°C
Leak rate: (to atmosphere)	1x10 ⁻⁸ mbar l/s He
(Via seat)	1x10 ⁻⁶ mbar l/s He
Flow capacity:	Cv=1.0
Weight:	2.7kg

Flow Chart



Ordering Information



Inlets / Outlets

F4: 1/4" NPT(F)
F6: 3/8" NPT(F)
F8: 1/2" NPT(F)
F12: 3/4" NPT(F)

08: 1/2" Tube fitting
12: 3/4" Tube fitting
TW12M: 12mm Weld tube
TW20M: 20mm Weld tube

P: Gauge (Psig/bar)
R: Relief valve
B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 3P S - 200 - 20 - 1 - 2 - 3 - 4 - 5 - 6 - N₂

Options

None: Standard mounting
P: Panel mounting

Body Material

S: 316L
C: Chrome Plated Brass

Inlet Pressure P₁

40: 40 bar
100: 100 bar
200: 200 bar
300: 300 bar

Outlet Pressure P₂

2: to 2 bar
4: to 4 bar
8: to 8 bar
10: to 10 bar
20: to 20 bar
35: to 35 bar
50: to 50 bar

Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 3S - 200 - 20 - F8 - P - P - F8 - B - B - N₂

1 - 2 - 3 - 4 - 5 - 6



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