

High Pressure Self-venting Regulators

VSR-31 Series

VIGOUR

Product Features

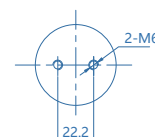
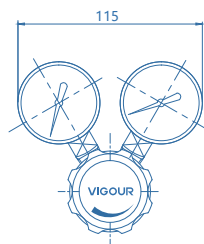
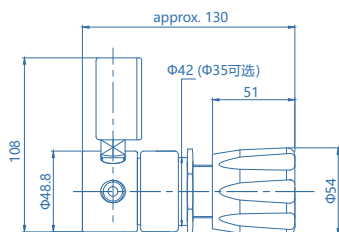
- Piston sensed for high reliability and long service life
- Brass or Stainless Steel construction
- For pilot type pressure reducing system
- 4 ports flexible configuration
- Stable outlet pressure
- Simple outlet pressure limitation by handwheel
- Adjustable and stoppable ultimate maximum outlet pressure



Typical Applications

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

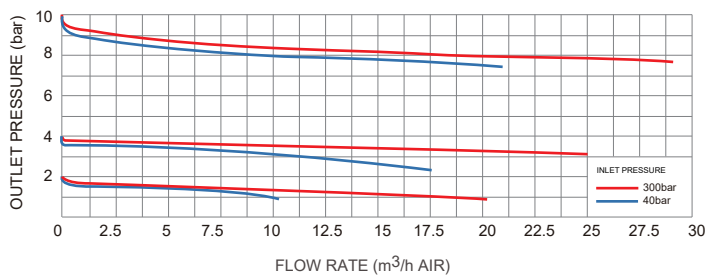
Dimensions (mm)



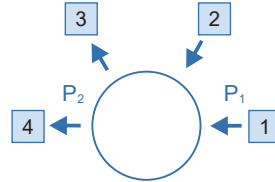
Technical Data

Type:	single-stage
Inlet pressure P1:	max. 300 bar
Outlet pressure P2:	2/4/8/10/20 bar
Materials	
Body regulator:	see ordering info
Valve seat:	PCTFE
O-ring:	Viton® (FKM)
(option)	Kalrez® (FFKM)
Filter:	SS 316L
Inlets and Outlets:	1/4" NPT(F)
Temperature range:	-30°C to +74°C
Leak rate:	Bubble-tight
Flow capacity:	Cv=0.07
Weight:	approx. 1.30kg

Flow Chart



Ordering Information



Inlets / Outlets

F4: 1/4" NPT(F)

P: Gauge (Psig/bar)

* Other connection standard, consult factory.

Port Selection

VSR - 31P S- 200- 20- 1- 2- 3- 4- N2

Options

None: Standard mounting
P: Panel mounting

Body Material

S: 316L
C: Chrome Plated Brass

Inlet Pressure P₁

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

Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 31C - 200 - 10 - F4 - P - P - F4 - O₂

1 - 2 - 3 - 4

