

High Pressure Self-venting Regulator

VSR-7 Series

VIGOUR

Product Features

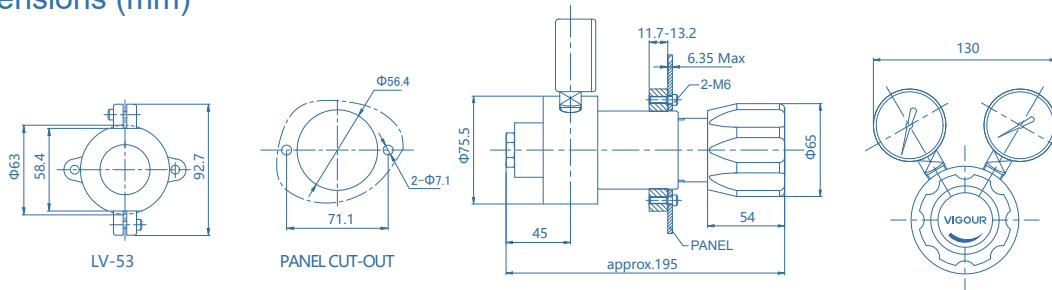
- High pressure, high flow regulator
- Stainless steel 316L body for pharmaceutical, food and beverage application
- Simple outlet pressure limitation by handwheel
- Self-venting standard
- Stable outlet pressure

Typical Applications

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



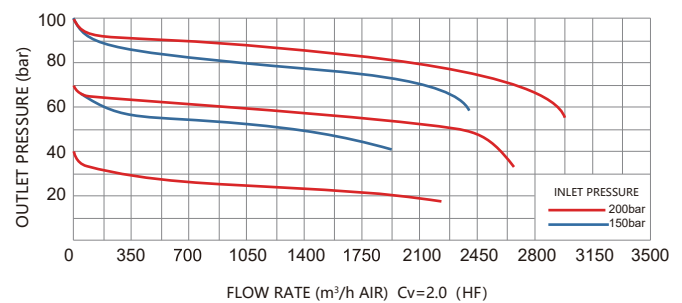
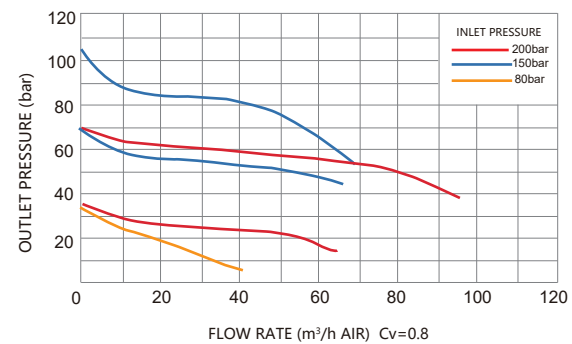
Dimensions (mm)



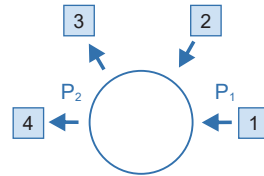
Technical Data

| | |
|---------------------|--------------------------------------|
| Type: | single-stage |
| Inlet pressure P1: | max. 300 bar |
| Outlet pressure P2: | 20/35/50/100/170 bar |
| Materials | |
| Body regulator: | see ordering info |
| Valve seat: | PCTFE |
| Filter: | SS 316L |
| O-ring: | Viton® (FKM) |
| Back-up ring: | PTFE |
| Gaskets: | PCTFE |
| Inlets and Outlets: | 1/4", 1/2" NPT(F) 3/4", 1" NPT(F) |
| Temperature range: | -30°C to +74°C |
| Leak rate: | Bubble-tight |
| Flow capacity: | Cv=0.8 Cv=2.0(HF) |
| Weight: | 2.9kg |

Flow Chart



Ordering Information



Inlets / Outlets

F4: 1/4" NPT(F)
F8: 1/2" NPT(F)
F12: 3/4" NPT(F)
F16: 1" NPT(F)

TW12M: 12mm weld tube
TW20M: 20mm weld tube
P: Gauge (Psig/bar)
B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 7S - 200 - 20 - 1 - 2 - 3 - 4 - N2 - HF - X

Body Material
S: 316L

Inlet Pressure P₁
40: 40 bar
100: 100 bar
200: 200 bar
300: 300 bar

Outlet Pressure P₂
20: to 20 bar
35: to 35 bar
50: to 50 bar
100: to 100 bar
170: to 170 bar

Option
Blank: Self-venting
X: Non self-venting

Option
Blank: Cv=0.8
HF: Cv=2.0

*HF Option applicable: 1/4", 1/2", 3/4", 1".

Type Of Gas
Please specify type of gas

Ordering Example

Example: VSR - 7S - 300 - 50 - F8 - P - P - F8 - N2

