

High Pressure Self-venting Regulators

VSR-7 Series

VIGOUR

Product Features

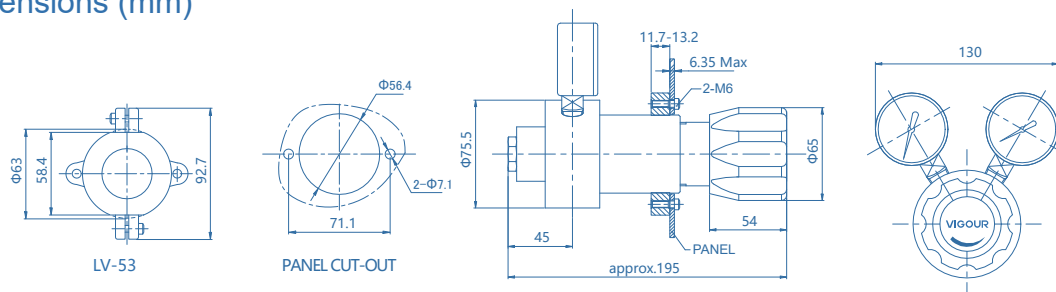
- High pressure, high flow regulator
- Brass chrome plated body and bonnet for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body for pharmaceutical, food and beverage application
- Simple outlet pressure limitation by handwheel
- Self-venting standard
- Stable outlet pressure
- Tested for use with oxygen

Typical Applications

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



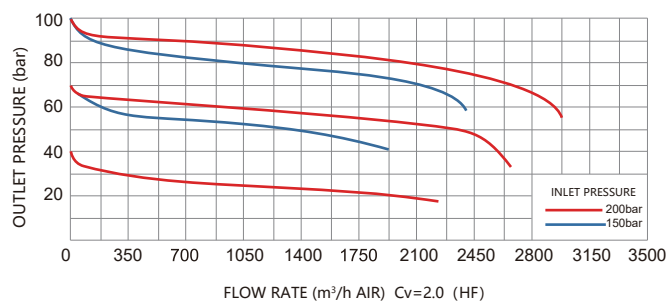
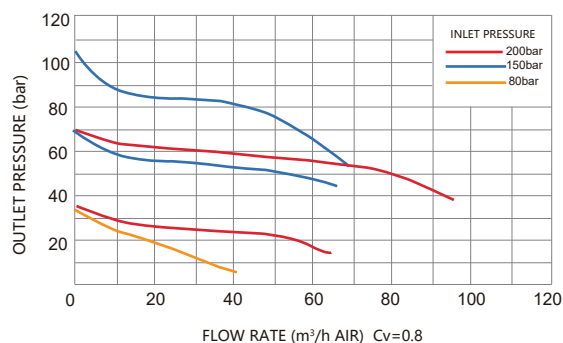
Dimensions (mm)



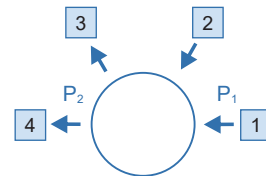
Technical Data

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
C: Chrome Plated Brass

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

1 - 2 - 3 - 4

