

High Pressure Self-venting Regulators

VSR-8 Series

VIGOUR

Product Features

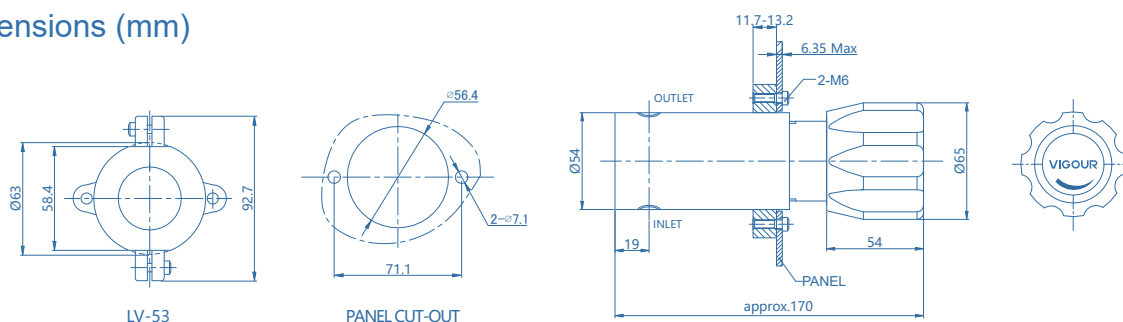
- Piston type high pressure regulator
- self-venting standard
- Stainless steel 316L body for pharmaceutical, food and beverage application
- 4 ports flexible configuration
- Stable outlet pressure
- Simple outlet pressure limitation by handwheel
- Inlet filter
- Tested for use with oxygen

Typical Applications

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



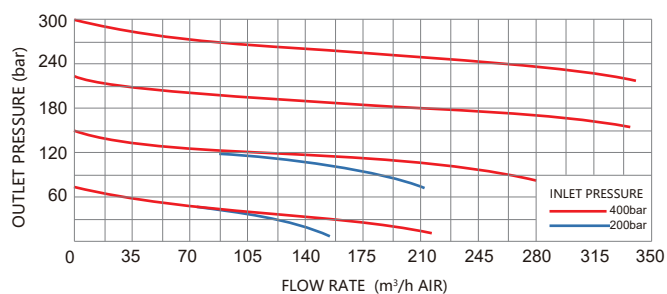
Dimensions (mm)



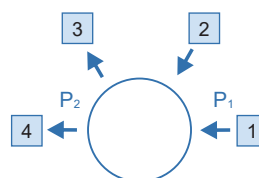
Technical Data

Type:	single-stage
Inlet pressure P1:	Brass: max. 400 bar 316L: max. 400/700 bar
Outlet pressure P2:	35/50/100/200//300/400 bar
Materials	
Body regulator, relief valve:	see ordering info
Main valve seat:	Vespel®
Vent valve seat:	PCTFE
Piston:	SS 316L
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=0.06
Weight:	2.20kg

Flow Chart



Ordering Information



Inlets / Outlets

F4: 1/4"NPT(F)
M4: 1/4"NPT(M)
02: 1/8"Tube fitting
04: 1/4"Tube fitting
06: 3/8"Tube fitting

6M: 6mm Tube fitting
8M: 8mm Tube fitting
TW6M: 6mm Weld tube
TW8M: 8mm Weld tube

P: Gauge (Psig/bar)
B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 8S - 400 - 200 - 1 - 2 - 3 - 4 - N2 - X

Body Material

S: 316L
C: Chrome Plated Brass

Inlet Pressure P₁

400: 400 bar (Brass / 316L)
700: 700 bar (316L)

Outlet Pressure P₂

35: to 35 bar
50: to 50 bar
100: to 100 bar
200: to 200 bar
300: to 300 bar
400: to 400 bar

Option

Blank: Self-venting
X: Non self-venting

Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 8C - 400 - 200 - F4 - F4 - F4 - F4 - N2 - X

1 - 2 - 3 - 4



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

