

Line Regulators / Leitungsdruckminderer

VSR-12L & 12HL Series

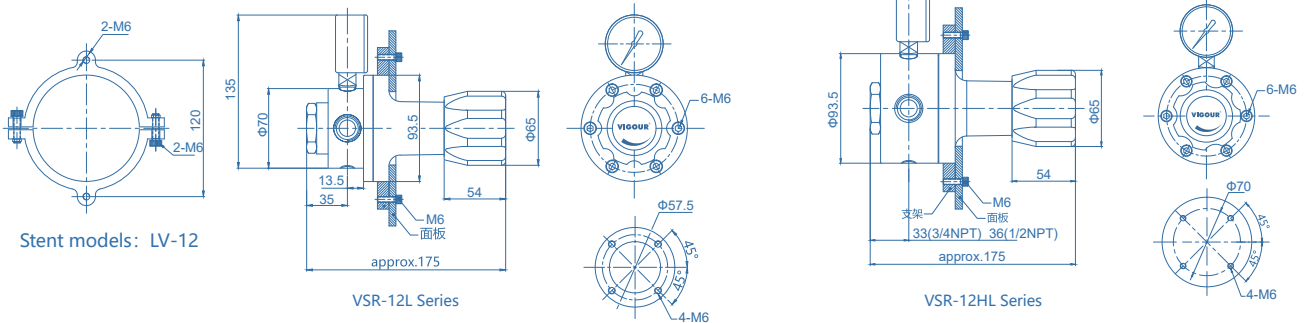
Product Features

- Low pressure, high flow regulator
- Brass chrome plated body for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body for pharmaceutical, food, and beverage application
- 4 ports flexible configuration
- Stable outlet pressure
- Tested for use with oxygen
- Large seat and diaphragm areas provide high capacity with sensitive control of delivery pressure with low falloff

Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- Service & Test Equipment
- hydrogen energy resource

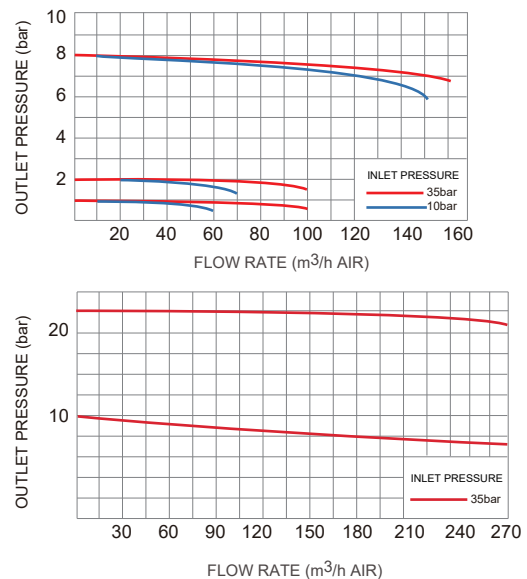
Dimensions (mm)



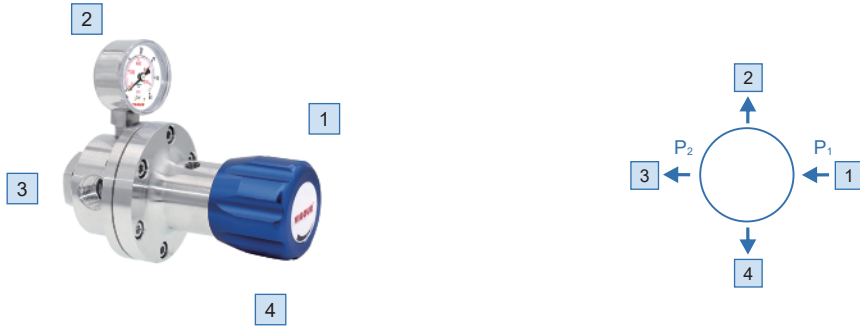
Technical Data

Type:	single-stage
Inlet pressure P1:	max. 35 bar
Outlet pressure P2:	1/2/4/8/10/20 bar
Materials	
Body regulator:	see ordering info
Valve seat:	EPDM (Viton® option)
Diaphragm:	PTFE+Buna-N
Inlets and Outlets:	see ordering info
Temperature range:	-15°C to +74°C
Leak rate:	Bubble-tight
Flow capacity:	Cv=3.1
Weight:	approx. 2.5kg / 3.7kg

Flow Chart



Ordering Information



Inlets / Outlets

- F4: 1/4" NPT(F)
- F8: 1/2" NPT(F)
- F12: 3/4" NPT(F) (only for VSR-12HL series)
- 12: 3/4" Tube fitting
- 16: 1" Tube fitting
- TW20M: 20mm Weld tube
- P: Gauge (Psig/bar)
- B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 12L S - 35 - 20 - 1 - 2 - 3 - 4 - N2

Type

- L: L系列
- HL: HL系列

Body Material

- S: 316L
- C: Chrome Plated Brass

Inlet Pressure P₁

35: 35 bar

Outlet Pressure P₂

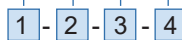
- 1: to 1 bar
- 2: to 2 bar
- 4: to 4 bar
- 8: to 8 bar
- 10: to 10 bar
- 20: to 20 bar

Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 12L S - 35 - 10 - F8 - P - F8 - B - O₂



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

