Line Regulators
VSR-12HL Series

VIGOUR

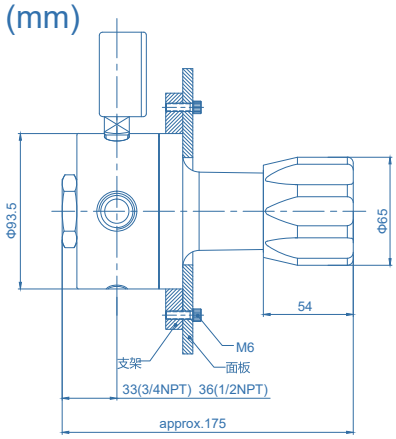
Product Features

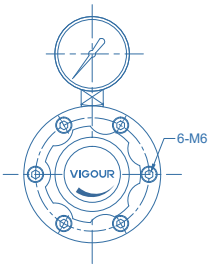
- Low pressure, high flow regulator
- Brass chrome plated body for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body for pharmaceutical, food, and beverage application
- 4 ports flexible configuration
- Stable outlet pressure
- Tested for use with oxygen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

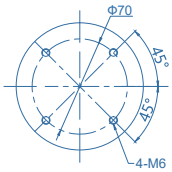
Typical Applications

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

Dimensions (mm)



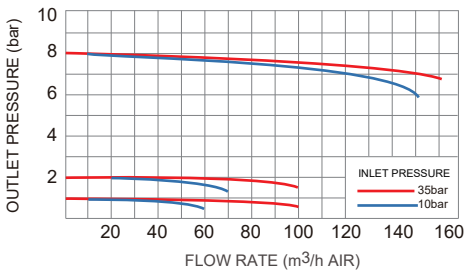


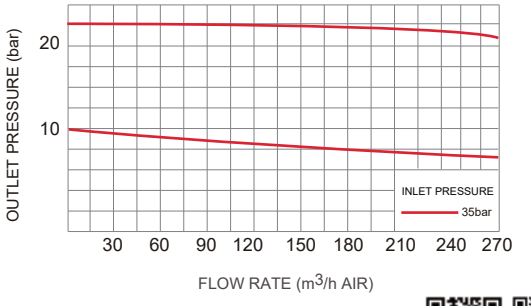


Technical Data

Type:	single-stage
Inlet pressure P_1:	max. 35 bar
Outlet pressure P_2:	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℃ to +74℃
Leak rate:	Bubble-tight
Flow capacity:	Cv=3.1
Weight:	approx. 2.5kg / 3.7kg

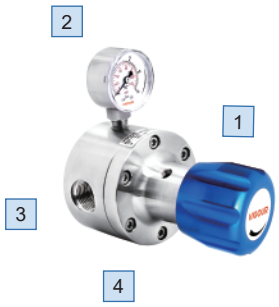
Flow Chart

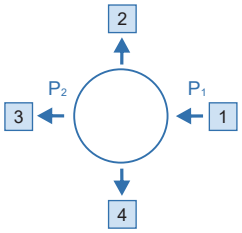




VUPS UHP Series VHPS HP Series VMED MED Series VGMS MGT. Series VIGS IND. Series

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 - 12HL S - 35 - 20 - 1 - 2 - 3 - 4 - N_2

Body Material

S: 316L
C: Chrome Plated Brass

Inlet Pressure P_1

35: 35 bar

Outlet Pressure P_2

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

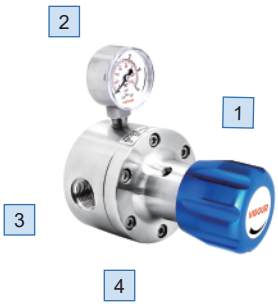
Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 12HL S - 35 - 10 - F8 - P - F8 - B - O_2

1 - 2 - 3 - 4



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