

Cylinder Pressure Regulators / Flaschendruckminderer

VSR-1E Series

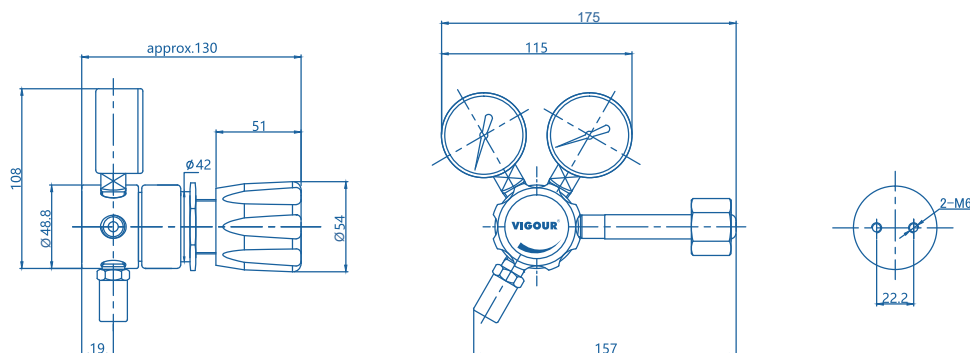
Product Features

- Cylinder pressure 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 and bonnet for corrosive gases
- 6 ports flexible configuration
- Stable outlet pressure
- Simple outlet pressure limitation by handwheel
- Tested for use with oxygen

Typical Applications

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

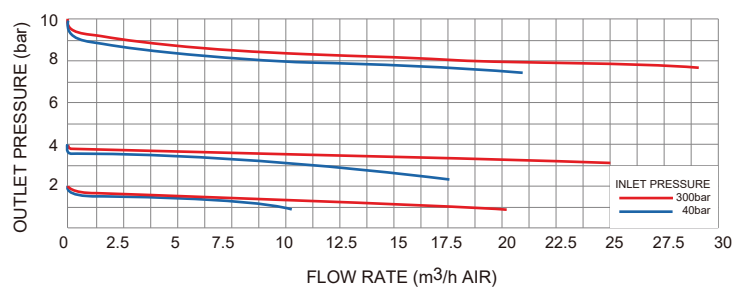
Dimensions (mm)



Technical Data

Type:	single-stage
Inlet pressure P ₁ :	max. 300 bar
Outlet pressure P ₂ :	2/4/10/20 bar
Materials	
Body regulator, relief valve:	see ordering info
Valve seat:	PCTFE
Diaphragm:	Hastelloy® C276
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 (to atmosphere)	1x10 ⁻⁸ mbar l/s He
(via seat)	1x10 ⁻⁶ mbar l/s He
Flow capacity:	Cv=0.07
Weight:	1.30 kg

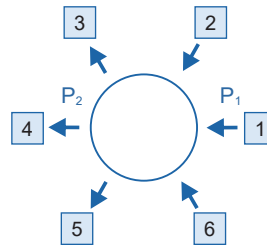
Flow Chart



Flaschendruckminderer / Cylinder Pressure Regulators

VSR-1E Series

Ordering Information



Inlets / Outlets

DIN: Germany

CGA: USA

BSP: British

GB: China

UNI: Italy

NF: French

JIS: Japan

F4: 1/4"NPT(F)

M4: 1/4"NPT(M)

O2: 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)

R: Relief valve

B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 1EPS - 200 - 20 - 1 - 2 - 3 - 4 - 5 - 6 - N₂

Type

None: Standard mounting

P: Panel mounting

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

2: to 2 bar

4: to 4 bar

10: to 10 bar

20: to 20 bar

Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 1EC - 200 - 10 - CGA - P - P - F4 - B - B - O₂

1 - 2 - 3 - 4 - 5 - 6



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

VIGOUR