

# Cylinder Pressure Regulators / Flaschendruckminderer

## VSR-6E Series

**VIGOUR®**  
Wir bieten Lösungen für Ihre Ideen!  
We offer solutions regarding your ideas!

### Product Features

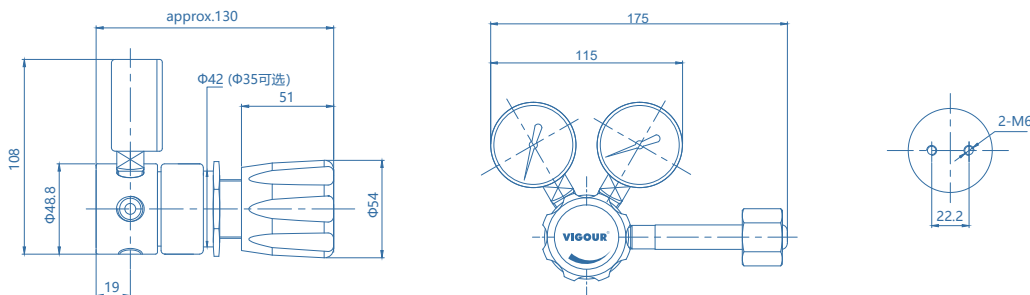
- Diaphragm design high pressure piston regulator
- Brass chrome plated or aluminium body and aluminium bonnet for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- 6 ports flexible configuration
- Stable outlet pressure
- 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



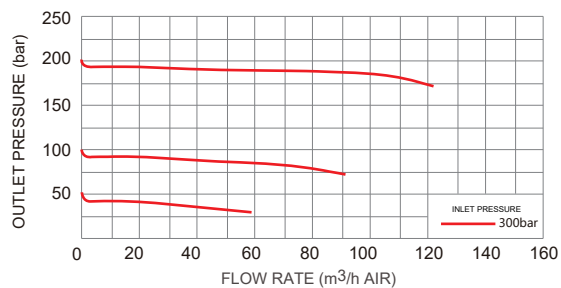
### Dimensions (mm)



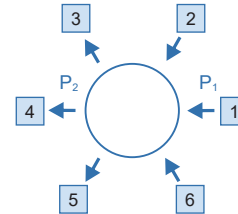
### Technical Data

Type:	single-stage
Inlet pressure P1:	max. 300 bar
Outlet pressure P2:	50/100/200 bar
Materials	
Body regulator:	see ordering info
Valve seat:	PCTFE
Bonnet:	see ordering info
Diaphragm:	Hastelloy® C276
Filter:	SS 316L
O-ring:	Viton®(FKM)
(option)	Kalrez®(FFKM)
Inlets and Outlets:	1/4"NPT(F)
Temperature range:	-30°C to +74°C
Leak rate: (to atmosphere)	1x10 <sup>-8</sup> mbar l/s He
(Via seat)	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	Cv=0.15
Weight:	1.20kg

### Flow Chart



**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)  
B: Plug

\* Other connection standard, consult factory.

**Port Selection**

VSR - 6EP S - 300 - 100 - 1 - 2 - 3 - 4 - 5 - 6 - N2

**Options**

None: Standard mounting  
P: Panel mounting

**Body Material**

S: 316L  
C: Chrome plated brass

**Inlet Pressure P<sub>1</sub>**

200: 200 bar  
300: 300 bar

**Outlet Pressure P<sub>2</sub>**

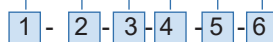
50: to 50 bar  
100: to 100 bar  
200: to 200 bar

**Type of Gas**

Please specify type of gas

**Ordering Example**

**Example: VSR - 6EC - 200 - 100 - CGA - P - P - F4 - B - B - O2**



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

