

Dual Stage Regulators

VSR-11E Series

Product Features

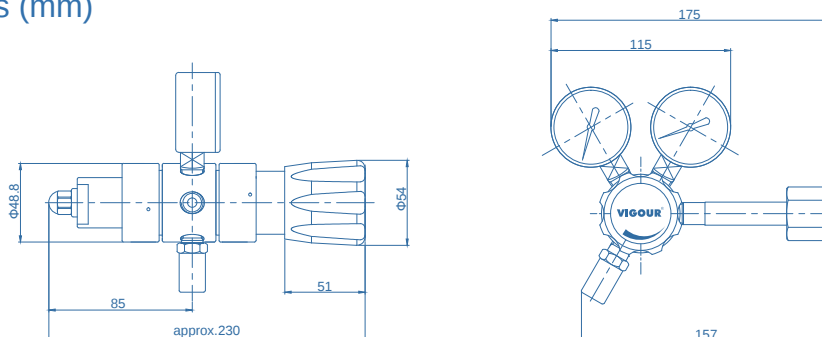
- Dual stage pressure regulator
- Brass chrome plated body and bonnet for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- Stable outlet pressure
- Simple outlet pressure limitation by handwheel
- Tested for use with oxygen

Typical Applications

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



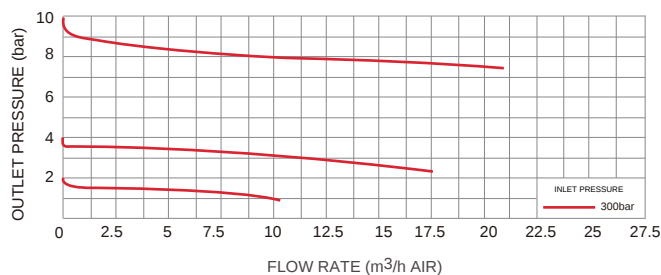
Dimensions (mm)



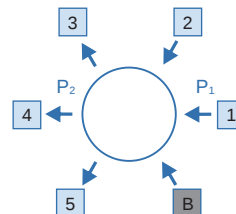
Technical Data

Type:	Dual-stage
Inlet pressure P1:	max. 300 bar
Outlet pressure P2:	2/4/8/10/20 bar
Materials	
Body regulator, Relief valve:	see ordering info
Valve seat:	PCTFE
Diaphragm:	Hastelloy® C276
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:	2.10kg

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

O4: 1/4" Tube fitting
O6: 3/8" Tube fitting
6M: 6mm Tube fitting
8M: 8mm Tube fitting
P: Gauge (Psig/bar)

R: Relief valve
B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 11ES - 200 - 10 - 1 - 2 - 3 - 4 - 5 - B - N2

Body Material

S: 316L
C: Chrome plated brass

Inlet Pressure P₁

100: 100 bar
200: 200 bar
300: 300 bar

Outlet Pressure P₂

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 - 11EC - 200 - 10 - F4 - P - P - F4 - B - B - N2

1 2 3 4 5 6



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