

# Dual Stage Regulators / Zweistufige Druckminderer VSR-11E Series

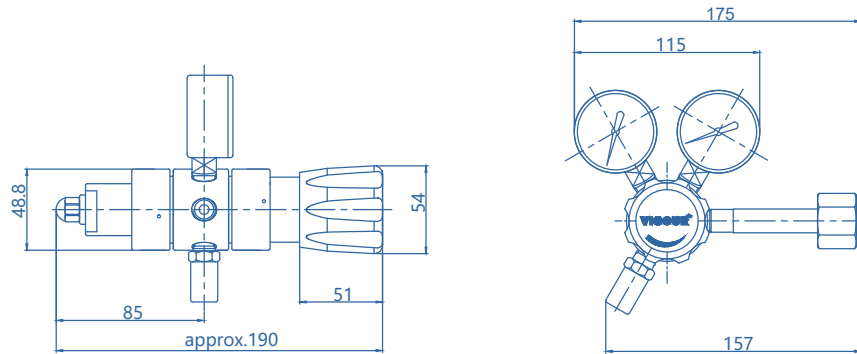
## Product Features

- Dual stage pressure regulator
- Brass chrome plated body and bonnet for non-corrosive gases and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- Simple outlet pressure limitation by handwheel
- Inlet filter
- Stable outlet pressure
- Tested for use with oxygen

## Typical Applications

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

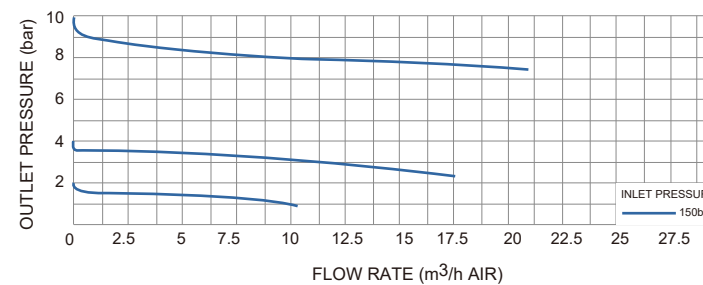
## Dimensions (mm)



## Technical Data

Type	Dual-stage
Inlet pressure P <sub>1</sub>	max. 300 bar
Outlet pressure P <sub>2</sub>	2/4/10/20 bar
Materials	
Body regulator, relief valve:	see ordering info
Valve seat:	Teflon® (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 <sup>-8</sup> mbar l/s He
(via seat)	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	Cv=0.07
Weight:	2.10 kg

## Flow Chart



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## Ordering Information



### Inlets / Outlets

DIN: Germany	NF: French	11: 1/4" Tube fitting	R: Relief valve
CGA: USA	JIS: Japan	12: 3/8" Tube fitting	B: Plug
BSP: British	00: 1/4"NPT(F)	15: 6mm Tube fitting	
GB: China	01: 1/4"NPT(M)	16: 8mm Tube fitting	
UNI: Italy	10: 1/8" Tube fitting	P: Gauge(Psig/bar)	

\* Other connection standard, consult factory.

### Port Selection

VSR - 11ES - 200 - 10 - 1 - 2 - 3 - 4 - 5 - B - N<sub>2</sub>

### Body Material

- S: 316L
- C: Chrome Plated Brass

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

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

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

- 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 - 11EC - 200 - 10 - 00 - P - P - 00 - B - B - N<sub>2</sub>

1 - 2 - 3 - 4 - 5



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