

Pressure Control Panels / Entspannungsstationen

VSP-1E Series

Product Features

- Pressure control panel
- VSR-1E VSR-6E series single-stage regulator
- Brass chrome plated body for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 300 bar
- Easy installation into safety cabinet for gas cylinders
- Tested for use with oxygen



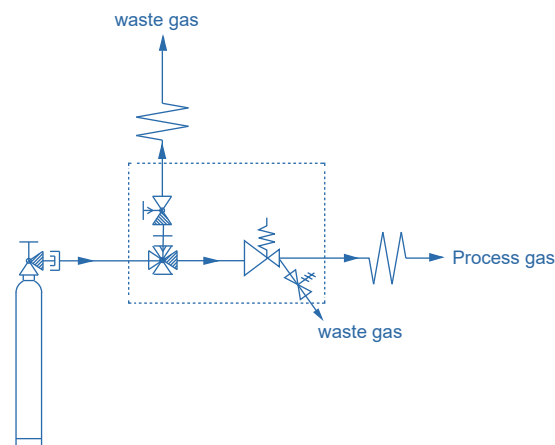
Typical Applications

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

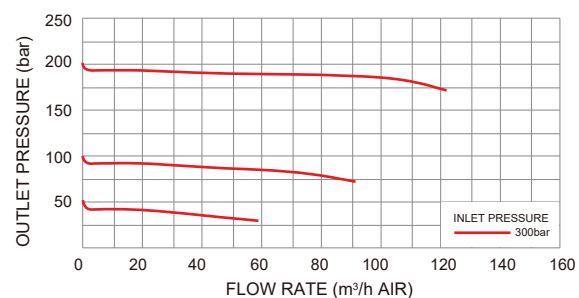
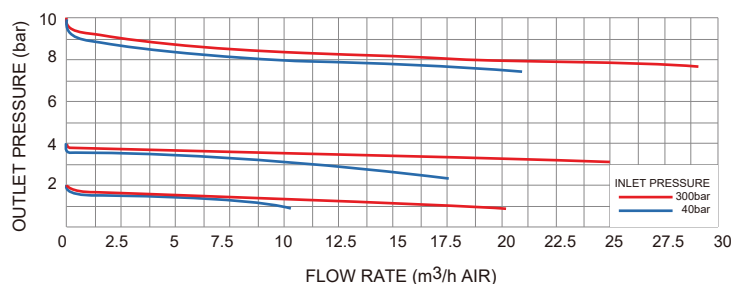
Technical Data

Type:	single-stage
Inlet pressure P ₁ :	max. 300 bar
Outlet pressure P ₂ :	2/4/10/20/50/100/200 bar
Materials:	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PCTFE
Diaphragm (regulator):	Hastelloy® C276
(valve):	Elgiloy®
O-ring:	Viton® (FKM)
(option)	Kalrez® (FFKM)
Filter:	SS 316L
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
Weight:	3.3 kg

Schematic Drawing



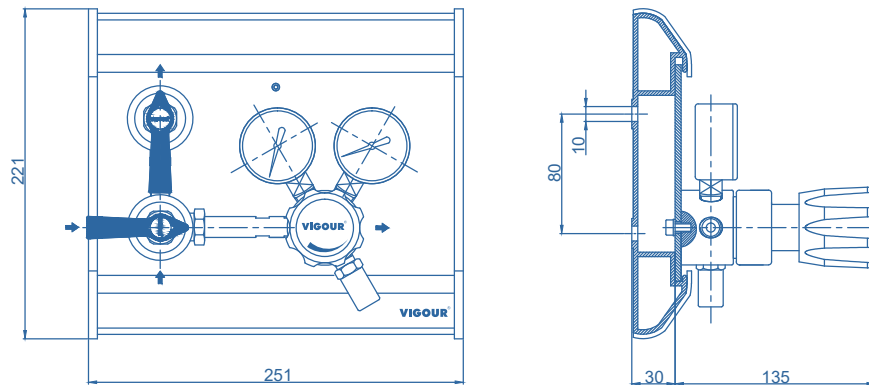
Flow Chart



Entspannungsstationen / Pressure Control Panels

VSP-1E Series

Dimensions (mm)



Ordering Information:

VSP - 1ES - 300 - 10 - P - P - V - N₂

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

50: to 50 bar

100: to 100 bar

200: to 200 bar

Gas Type

Please specify gas type

Options

None: w/ inlet valve and purge valve

V: w/ inlet valve, w/o purge valve

Outlet Pressure. Indication

P: Pressure gauge

K: Contact gauge

Inlet Pressure. Indication

P: Pressure gauge

K: Contact gauge