

# Pressure Control Panels

## VSP-3AE Series

**VIGOUR**

### Product Features

- Pressure control panel with automatic change-over function
- 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 and bonnet 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



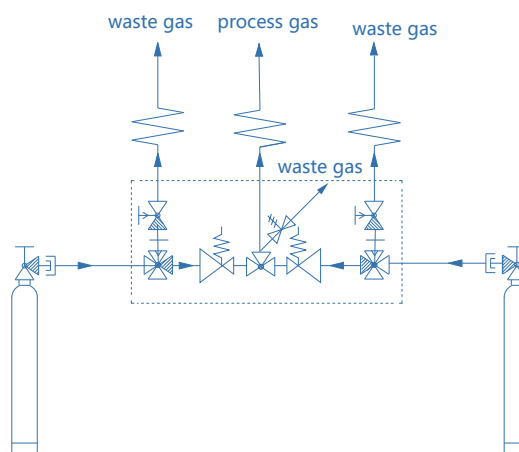
### Typical Applications

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

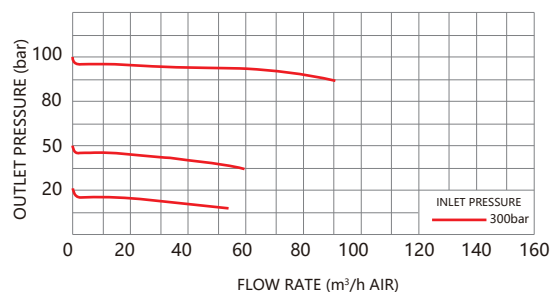
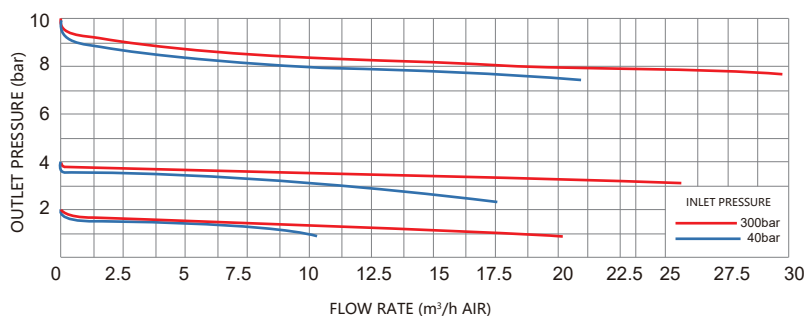
### Technical Data

|                            |                                |
|----------------------------|--------------------------------|
| Type:                      | single-stage                   |
| Inlet pressure P1:         | max. 300 bar                   |
| Outlet pressure P2:        | 2/4/10/20/50/100 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                        |
| Inlet connection:          | 1/4"NPT(F)                     |
| Outlet connection:         | 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 |
| Weight:                    | 4.8kg                          |

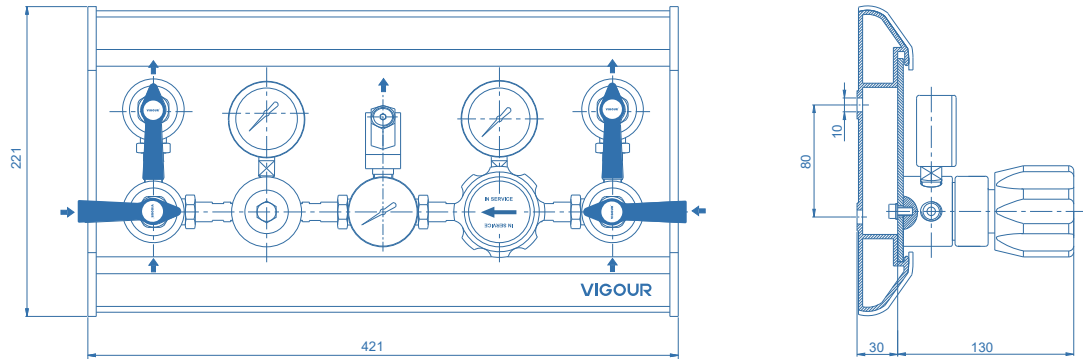
### Schematic Drawing



### Flow Chart



### Dimensions (mm)



### Ordering Information

**VSP - 3AES - 300 - 10 - P - P - V - N<sub>2</sub>**

#### Body Material

- S: 316L
- C: Chrome Plated Brass

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

- 40: 40 bar
- 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
- 50: to 50 bar (Non Relief valve)
- 100: to 100 bar (Non Relief valve)

#### Type Of Gas

Please specify type of gas

#### Option

- None: Includes inlet valve and purge valve
- V: Including inlet valve, not including purge valve
- X: Non inlet valve and purge valve

#### Outlet Pressure Indication

- P: Pressure gauge
- K: Contact gauge

#### Inlet Pressure Indication

- P: Pressure gauge
- K: Contact gauge

