

Pressure Control Panel V9M Series

Product Features

- open-ended pressure control panel
- Brass pressure regulator for use with non-corrosive gases
- Inlet pressure Max.: 240Bar
- The Inlet end is provided with a filter screen
- Handwheel globe valve design, easy to operate
- Modular design, easy to install
- High purity helium leak rate test



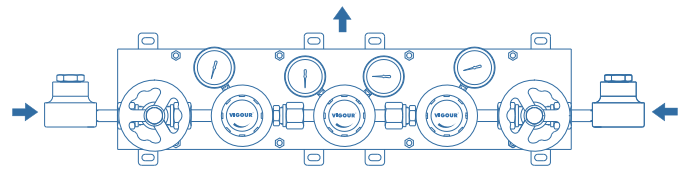
Typical Applications

- Connect the gas supply cylinder to both sides of the gas supply system, Both sides of the gas source automatic change-over is to achieve continuous uninterrupted gas supply.
- Mainly used in industrial, medical and other centralized gas supply occasions

Technical Data

| | |
|---------------------|--------------------------------|
| Type: | Single-stage |
| Inlet pressure P1: | Max. 240 bar |
| Outlet pressure P2: | 2/10/20/35 bar |
| Materials | |
| Body regulator: | Brass |
| Valve seat: | PCTFE |
| Filter: | Brass sintering |
| Diaphragm: | SS 316L |
| Panel: | Aluminum |
| Inlet connection: | 1/2" NPT(F) |
| Outlet connection: | G3/4" (M) |
| Temperature range: | -30°C to +74°C |
| Leak rate: | 1x10 ⁻⁶ mbar l/s He |
| Weight: | approx. 18kg |

Schematic Drawing



Flow Chart

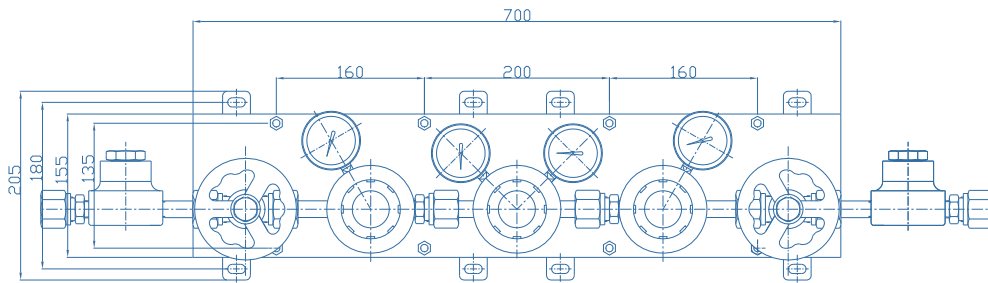
The following table is a schematic diagram of standard nitrogen flow. Other gases are reference gas flow coefficients.

| Inlet pressure P1 (bar) | Flow rate at outlet pressure P2 (m ³ /h) | | | |
|----------------------------|--|-------|-------|-------|
| | 2bar | 10bar | 20bar | 35bar |
| 240 | 35 | 145 | 200 | 280 |
| 120 | 30 | 120 | 180 | 220 |
| 60 | 25 | 100 | 130 | 160 |

| Gas Type | Flow Capacity |
|----------------|---------------|
| oxygen | 0.95 |
| hydrogen | 3.79 |
| argon | 0.85 |
| carbon dioxide | 0.81 |
| helium | 2.69 |



Dimensions (mm)



Ordering Information

V9M-200 - 20 - G - G - 2 - 2 - N₂

Inlet Pressure

100: Max. 100bar
200: Max. 200bar
240: Max. 240bar

Outlet Pressure

2: up to 2bar
10: up to 10bar
20: up to 20bar
35: up to 35bar

Inlet Pressure Gauge

G: Gauge
K: Contact gauge

Outlet Pressure Gauge

G: Gauge
K: Contact gauge

Gas Type

Please specify gas type

Right cylinder number

1: one cylinder 3: three cylinder
2: two cylinder N: N the cylinder

Left cylinder number

1: one cylinder 3: three cylinder
2: two cylinder N: N the cylinder

