

Pressure Control Panel

V8M 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



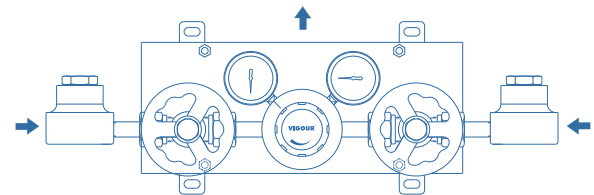
Typical Applications

- Connect the gas supply cylinder to both sides of the gas supply system, Use on one side and reserve on the other. When the cylinder gas on one side is used up, the control panel can be manually adjusted to use the cylinder gas on the other side.
- 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. 12kg

Schematic Drawing



Flow Chart

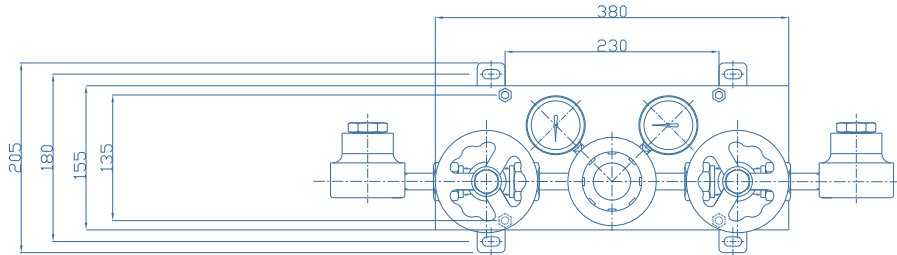
The following table is a schematic diagram of standard nitrogen flow. Other gases are reference gas flow coefficients.

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

