

Pilot Operated Pressure Regulators

VSR-61 Series

VIGOUR

Product Features

- Balancing valve core design
- Diaphragm type
- Dynamically adjusted pilot pressure regulator
- Pilot-operated pressure regulator can improve performance
- Optional external feedback for main decompressor
- Provides good output stability
- Tested for use with oxygen



Typical Applications

Type: Pilot operated pressure regulator

Inlet pressure P1: 35/70/200/400 bar

Outlet pressure P2: 3/10/20/25/70/100/175/250 bar

Materials

Valve seat: EPDM (Inlet pressure 35/70 bar)

PCTFE (Inlet pressure 200~400 bar)

Diaphragm: EPDM

O-ring: Viton®

Inlets and Outlets: 1-1/2"NPT(F)

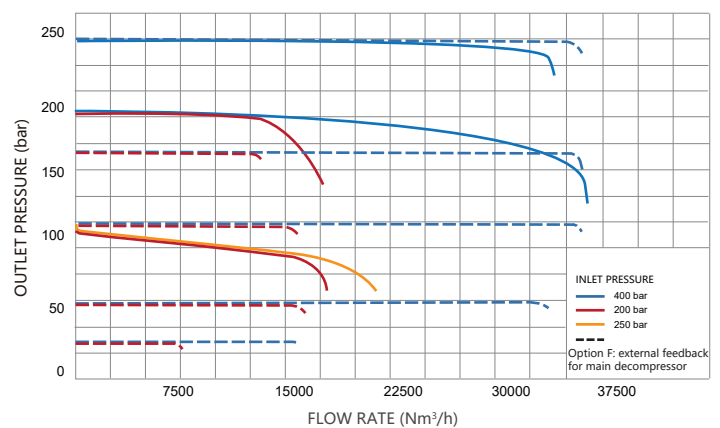
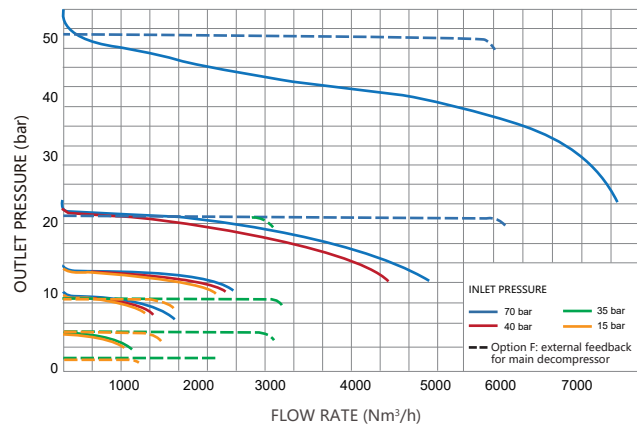
Temperature range: -30°C to +74°C

Leak rate: Bubble-tight

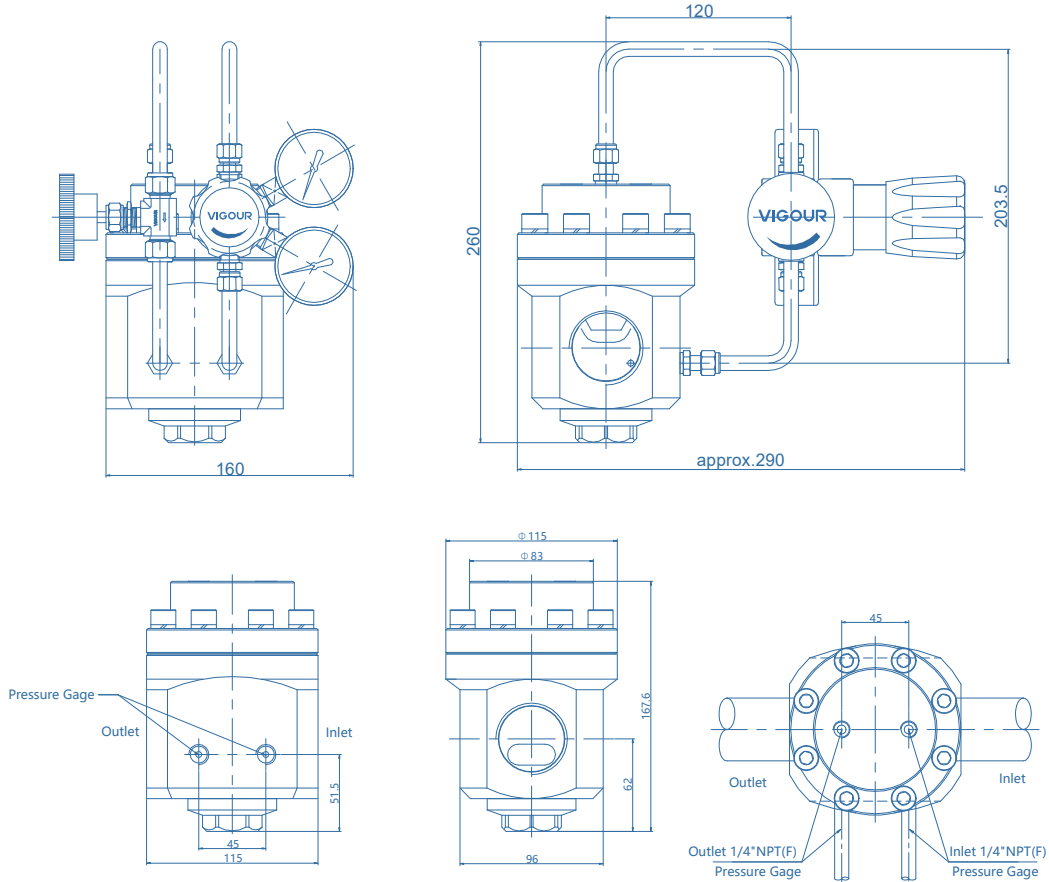
Flow capacity: Cv=7.3

Weight: approx. 10.6kg

Flow Chart



Dimensions (mm)



Ordering Example

VSR - 61 S - 400 - 250 - F24- F24 - X - F

Body Material

S: 316L
B: Brass

Inlet Pressure P1

35: 35 bar
70: 70 bar
200: 200 bar
400: 400 bar

Outlet Pressure P2

3: 0~3 bar
10: 0~10 bar
20: 0~20 bar
25: 0~25 bar
70: 0~70 bar
100: 0~100 bar
175: 0~175 bar
250: 0~250 bar

Option

None: not*

F= external feedback for main decompressor

*Pressure gauge connection: 1/4" NPT(F)

Type

None: include pilot operated pressure regulator

X: barring pilot operated pressure regulator

Inlets and Outlets

F24: 1-1/2" NPT(F)

