

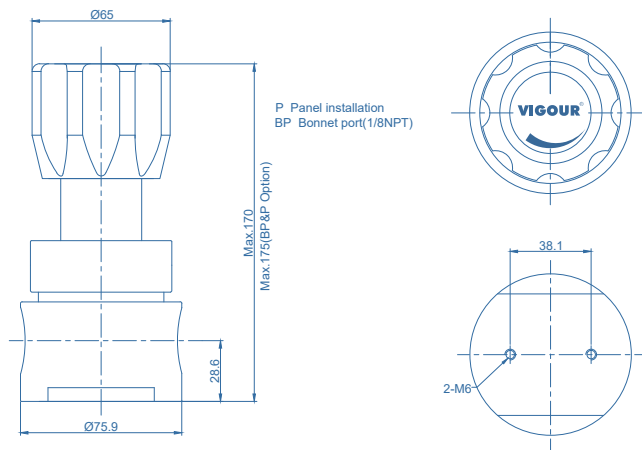
Single Stage Pressure Regulators

VSR-920UA Series

Product Feature

- Single-stage pressure regulator
- Minimized internal volume for short purge times
- All gas-wetted parts made of stainless steel SS 316L, Hastelloy C276 and PFA respectively
- Internal connectors for pressure gauges
- High performance, high flow
- High control accuracy
- Metal-to-metal seal to atmosphere
- Simple outlet pressure limitation by hand-wheel
- 100% helium-leak-tested
- Cleaned for O₂ service
- Tied-diaphragm design

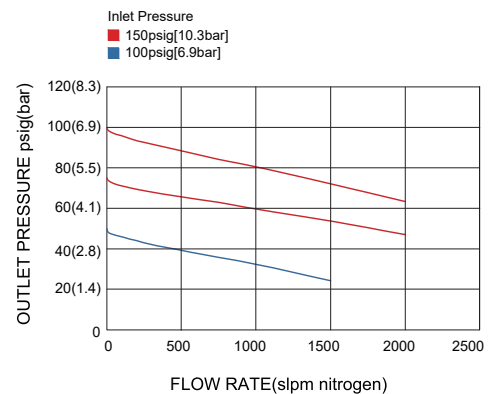
Dimensions(mm)



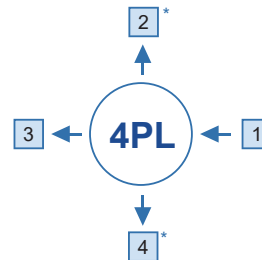
Technical Data

Type	single-stage
Inlet pressure P1	max. 300 psig
Outlet pressure P2	30/60/100/150 psig
Materials	
Body	see ordering info
Valve seat	PFA
Diaphragm	Hastelloy® C276
Inlets and Outlets	3/4" NPT and tube fitting
Bonnet port	1/8" NPT(option)
Temperature range	-40°F to +160°F (-40°C to +71°C)
Leak rate (to atmosphere)	1x10 ⁻⁹ mbar l/s He
Leak rate (via seat)	1x10 ⁻⁸ mbar l/s He
Flow capacity	Cv=1.6
Weight	approx. 2.68kg (depending on connections or options)
Supply pressure effect	7 psig rise in delivery pressure per 100 psig source pressure drop

Flowchart



Ordering Information



* port for guage,plug or relief valve

Inlet/Outlet Connection

F4: 1/4" NPT(F)

F12: 3/4" NPT(F)

12: 3/4" tube fitting

P: gauge

B: plug

* Other connection standard,consult factory

Port Selection

VSR - 920UAPS - 20 - V4 - 4PL - 1 - 2 - 3 - 4

Installation

P: panel mount*

BP: bonnet port(1/8"NPT)

None: bottom mount

* Panel hole Φ39.6mm

Materials

S: 316L

Outlet Pressure

V2: vac to 30 psig

V4: vac to 60 psig

V7: vac to 100 psig

V10: vac to 150 psig

2: to 30 psig

4: to 60 psig

7: to 100 psig

10: to 150 psig

Inlet Pressure

20: 300 psig

Ordering Example

VSR - 920UAS - 20 - 10 - 4PL - F12 - F4 - F12 - B

1 - 2 - 3 - 4

