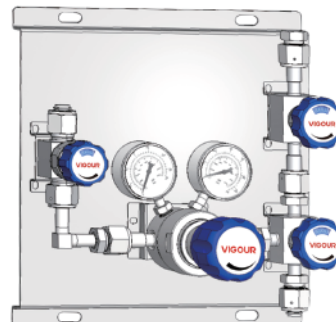


Pressure Control Panels

VUP-4U Series

Product Feature

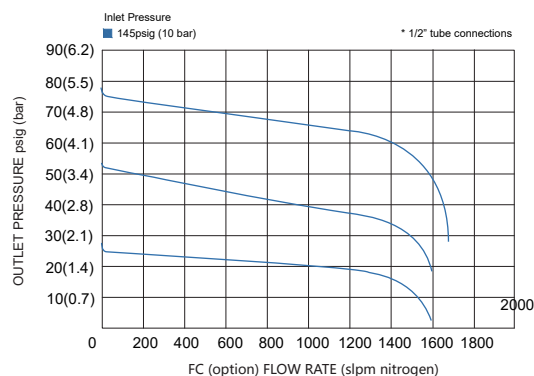
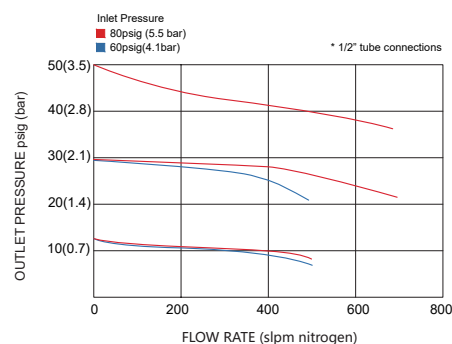
- Pressure Control Panels (Single side type)
- VSR-210UBS / UCS Series Single Stage Regulator
- Tied-diaphragm design
- VDV33UBS Series vent diaphragms Valves
VDV33UBS Series Inlet process diaphragm valves
- Orbital welded VFS-face seal connections
- Modular design
- Suitable for inlet pressure up to 3000 psig (200bar)
- Easy installation into safety cabinet for gas cylinders
- 100% Helium leak tested



Technical Data

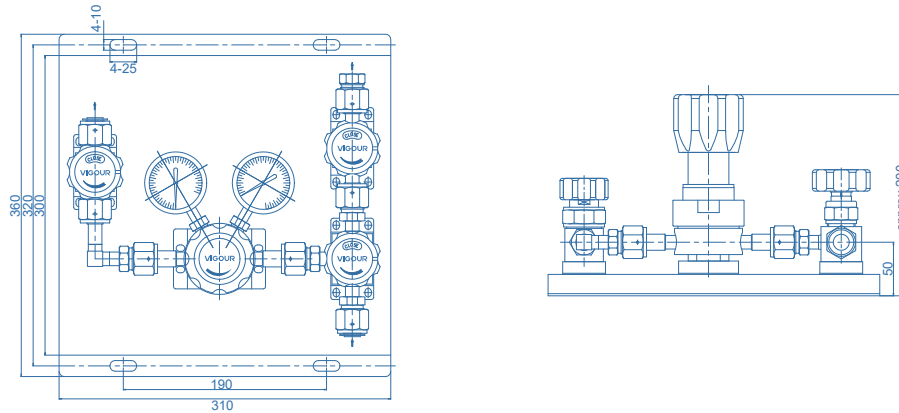
Type:	single-stage
Inlet pressure P1:	max. 3000 psig (200bar)
Outlet pressure P2:	Vac to 30/60/100/150 psig (2/4/7/10bar)
Surface finish:	10µin. Ra (25µin. Ra optional)
Materials	
Body:	see ordering info
Valve seat (regulator):	PCTFE (Vespel® optional)
(diaphragm valve):	PEEK
Diaphragm (regulator):	Hastelloy® C276
(diaphragm valve):	Elgiloy®
Inlets and Outlets:	1/2" VFS Fitting
Temperature range:	-40°F to +160°F (-40°C to +71°C)
Leak rate: (to atmosphere)	1x10 ⁻⁹ mbar l/s He
(via seat)	1x10 ⁻⁸ mbar l/s He
Supply pressure effect:	3.5 psig rise in delivery pressure per 100 psig source pressure drop 4.2 psig rise in delivery pressure per 100 psig source pressure drop (FC option)
Flow capacity:	Cv=0.65, Cv=1.1 (HF optional)

Flowchart



Pressure Control Panels VUP-4U Series

Dimensions (mm)



Ordering Information

VUP - 4US - 200 - 10 - MV8 - MV8 - P - R25 - HF - FC - VS

Body Material

S: 316L
SLV: 316L secondary remelt
SHP: 316L body
Hastelloy® C22 poppet

*All options diaphragm material is Hastelloy® C276

Inlet Pressure P₁

21: 300 psig
117: 1700 psig (standard)
200: 3000 psig*

* Not available with outlet pressure:
V2 / V4 / 2 / 4

Outlet Pressure P₂

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 Connection

MV8: 1/2" face seal male
FV8: 1/2" face seal female

outlet Connection

MV8: 1/2" face seal male
FV8: 1/2" face seal female

Valve seat Option

None: PCTFE
VS: VespeI®

Option

FC: Force compensation

* Force compensation feature inlet pressure Max. 300 psig

* FC option is available with connection size 1/2 inch

* Not available with outlet pressure:
V2 / V4 / 2 / 4

Cv Option

None: Cv=0.65
HF: Cv=1.1

Surface Finish

None: 10 µin. Ra
R25: 25 µin. Ra

Pressure Indication

None: Inlet / Outlet Pressure gauge
K: Contact gauge