

### Product Feature

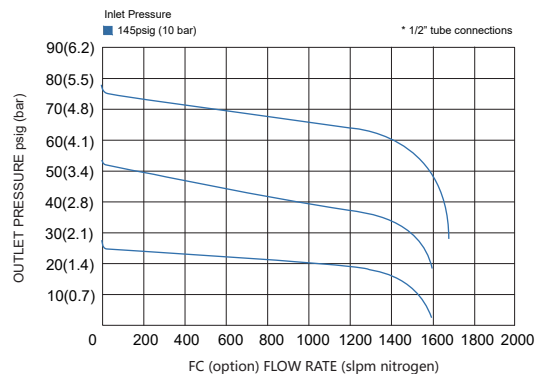
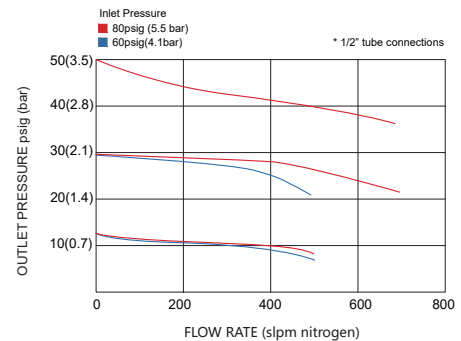
- Pressure control panels with automatic change-over function
- VSR-210UBS / UCS Series Single Stage Regulator
- Tied-diaphragm design
- VDV33UBS Series vent diaphragms Valves  
VDV33UBS Series Inlet process diaphragm valves
- Orbital welded VFS-face seal connections
- Modular design
- Suitable for inlet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



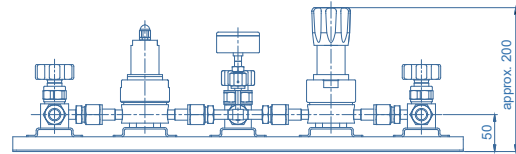
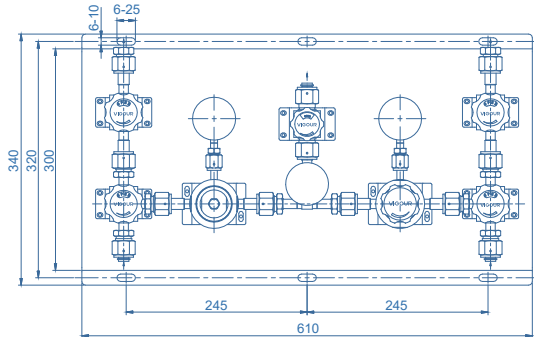
### Technical Data

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)
<b>Materials</b>	
Body:	see ordering info
Valve seat (regulator): (diaphragm valve):	PCTFE (VespeI® optional) PEEK
Diaphragm (regulator): (diaphragm valve):	Hastelloy® C276 Elgiloy®
Inlets and Outlets:	1/2" VFS Fitting
Temperature range:	-40°F to +160°F (-40°C to +71°C)
Leak rate: (to atmosphere) (via seat)	1x10 <sup>-9</sup> mbar l/s He 1x10 <sup>-8</sup> 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



## Dimensions (mm)



## Ordering Information

### VUP - 6US - 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 P<sub>1</sub>

- 20: 300 psig
- 117: 1700 psig (standard)
- 200: 3000 psig\*

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

#### Outlet Pressure P<sub>2</sub>

- 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: Vespel®

#### 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

