

Single Stage Pressure Regulator

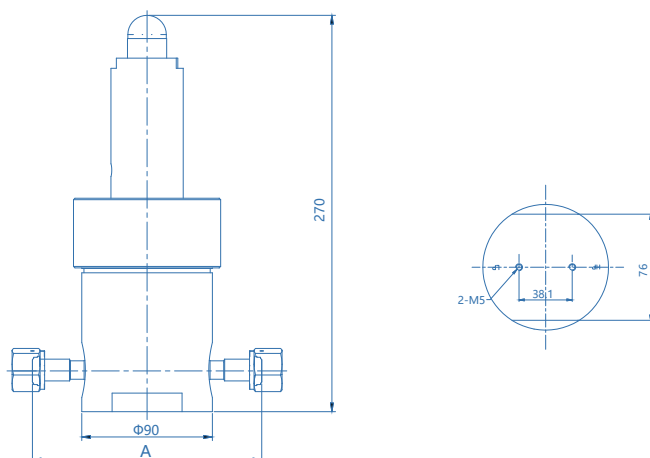
VSR-911UB Series

VIGOUR

Product Feature

- Single-stage pressure regulator
- All materials used meet ASTM A479 / A484 / A276 standards
- 15µin. Ra max. 10µin Ra max optional
- design for bulk special gas supply system
- Tied-diaphragm design with bellows sensing element
- Metal-to-metal seal to atmosphere
- 100% helium-leak-tested

Dimensions (mm)

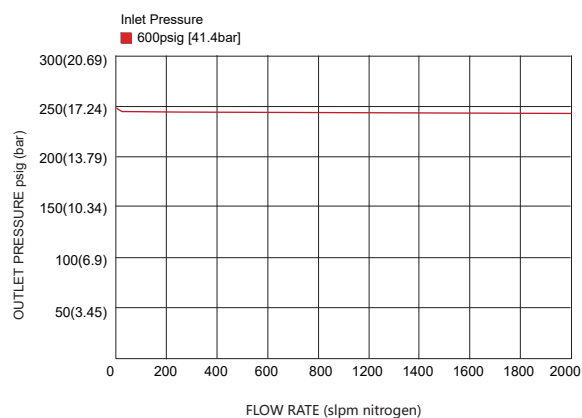


Connections	A	
	inch	(mm)
FV8	6.22	(158.0)
MV8		
TW8	9.50	(241.4)
FV12	7.28	(185.0)
MV12		
TW12	9.50	(241.4)
FV16	7.84	(199.2)
MV16		
TW16	9.50	(241.4)

Technical Data

Type:	single-stage
Inlet pressure P1:	Max. 3000 psig (200bar)
Outlet pressure P2:	300 psig (21bar)
Surface finish:	15µin. Ra max 10µin. Ra max (optional)
Materials	
Body:	SS 316L
Valve seat:	PCTFE (Vespel® optional)
Diaphragm:	Hastelloy® C22
Inlets and Outlets:	1/2" / 3/4" or 1" face seal or tube weld
Bonnet port:	1/8" FNPT(option)
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
Flow capacity:	Cv=3.0 / Cv=4.0
Weight:	approx. 6.0kg (depending on connections or options)

Flowchart



Ordering Information



* port for gauge

Inlet/Outlet Connection

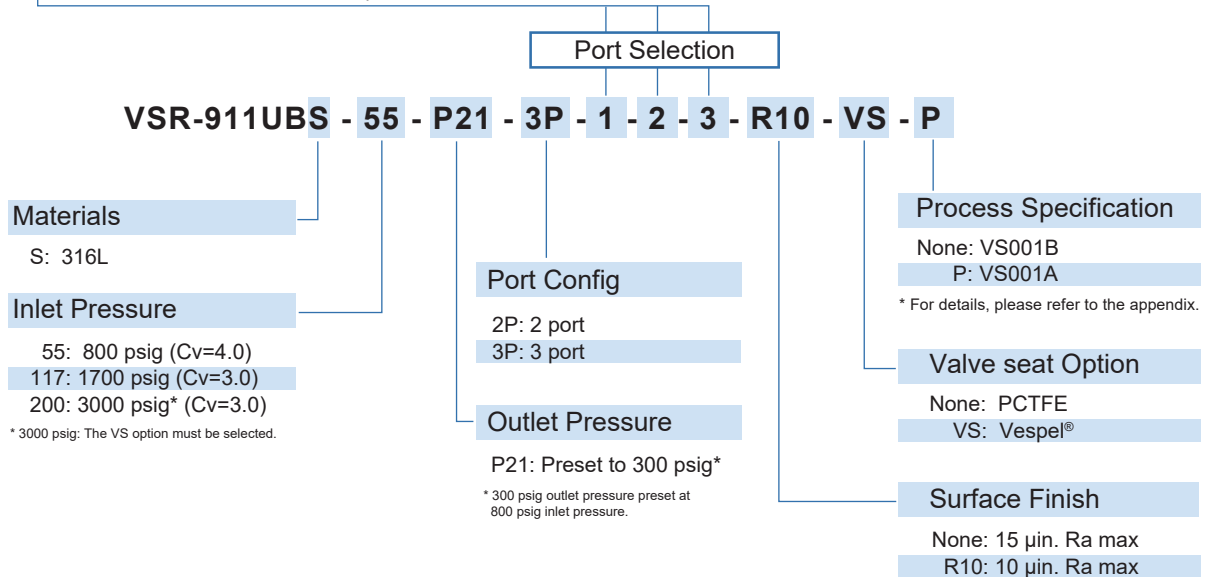
FV8: 1/2" VFS female
MV8: 1/2" VFS male
FV12: 3/4" VFS female
MV12: 3/4" VFS male

FV16: 1" VFS female
MV16: 1" VFS male
MV4: 1/4" VFS male
IFV4: 1/4" (gauge female threaded connection machined on the body)

TW8: 1/2" tube weld
TW12: 3/4" tube weld
TW16: 1" tube weld

P: gauge (1/4" VFS fitting)
IP: gauge (IFV4 fitting)

* Other connection standard, consult factory



Ordering Example

VSR - 911UBS - 55 - P21 - 2P - MV12 - FV12
1 - 2

