

Vacuum Generator

VVGV1 Series

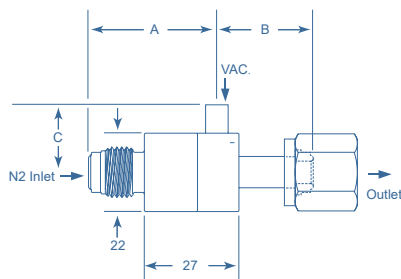
VIGOUR

Product Feature

- Pneumatic actuator, normally closed
- Monoblock vacuum venturi, diaphragm valve and check valve
- Compact design
- Maximum vacuum: -88 KPa
- The product is fabricated in compliance with the VS001B process specification

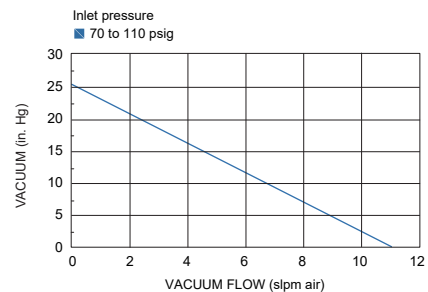
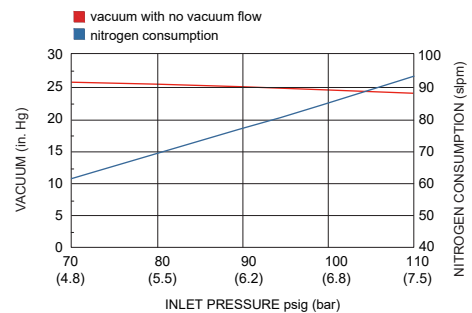


Dimensions (mm)



Connections	Dimensions (mm)		
	A	B	C
MV4, FV4	36	-	35
FV4	-	-	35
TW4	-	-	19
FV8-MV8	-	42	-
TW6	-	24	-

Vacuum and Flow Specification



Technical Data

N2 Inlet pressure:	70 to 110 psig (4.8 to 7.6 bar)
Vacuum port maximum pressure:	3,500 psig (241 bar)
Check valve cracking pressure:	3 psid (0.2 bar) (differential)
Operating temperature:	-14~160°F (-10~71°C)
Inlet connection:	1/4" VFS fitting
Outlet connection:	1/2" VFS fitting, 3/8" Tube weld
Vacuum port connection:	1/4" VFS fitting / Tube weld
Actuation connection:	M5
Actuation pressure:	60 to 110 psig (4 to 7.6 bar)
Leakage:	Bubble tight
Materials	
Body:	316L
O-ring:	FKM / FFKM (option)



Ordering Information



Inlet/Outlet Connection

FV4: 1/4" VFS female
FV8: 1/2" VFS female

MV4: 1/4" VFS male
MV8: 1/2" VFS male

TW4: 1/4" Tube weld
TW6: 3/8" Tube weld

* Other connection standard, consult factory.

Port Selection

VVG1S - 1 - 2 - 3 - 05 - K

Material

S: 316L

Inlet Connection

MV4: 1/4" VFS male

Outlet Connection

MV8: 1/2" VFS male
FV8: 1/2" VFS female
TW6: 3/8" tube weld

O-ring

none: FKM

K: FFKM

Flow

03: 1~2.5 slpm constant bleed

05: 2~5 slpm constant bleed

08: 5~8 slpm constant bleed

15: 10~15 slpm constant bleed

*at 80 psig N2

Vacuum Connection

MV4: 1/4" VFS male

FV4: 1/4" VFS female

TW4: 1/4" tube weld

Ordering Example

VVG1S - MV4 - FV8 - FV4 - 05 - K

1 - 2 - 3

