

SERIES AP 7 & AP 70 VACUUM GENERATOR

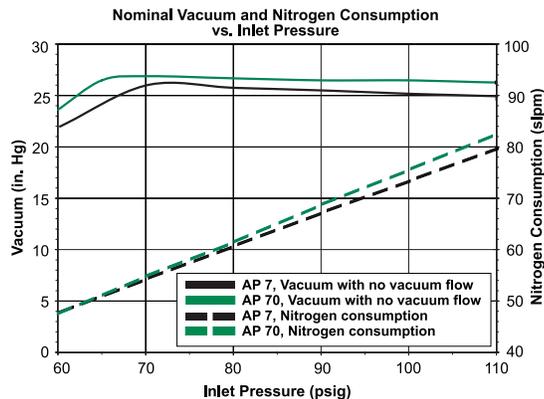
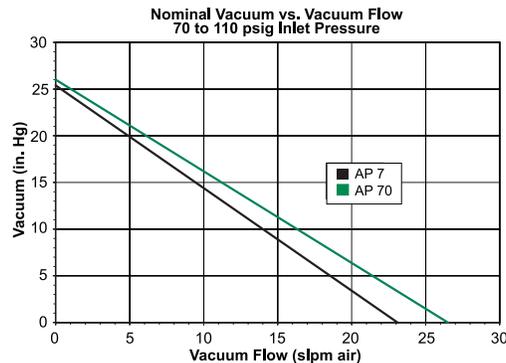
- Stainless Steel 316L construction
- Cleaned, welded, assembled, tested and packaged in a Class 100 clean room
- Surface finish 15-20 $\mu\text{in Ra}$
- Hot DI water cleaned
- 26 in. Hg (100 Torr) vacuum generated (refer to inlet pressure vs. vacuum curves for efficiency)
- Inboard/outboard leakage 2×10^{-10} sccs
- All welded construction
- Operating temperature 14° to 160°F (-10° to 71°C)
- Installation and operating instructions available at www.aptech-online.com in the Tech Briefs section

Operating Parameters

N ₂ inlet	70 to 110 psig (4.8 to 7.6 bar)
Vacuum port (operating)	3,500 psig (241 bar)
Vacuum maximum*	26 in Hg (100 Torr)
Proof pressure	150% of operating pressures
Burst pressure	300% of operating pressures
Leak rate	2×10^{-10} sccs He
Operating temperature	-40° to $+160^\circ\text{F}$ (-40° to $+71^\circ\text{C}$)

*Vacuum specification per curves and based upon 3/8" vent line of 30" overall length.

Vacuum and Flow Specifications*



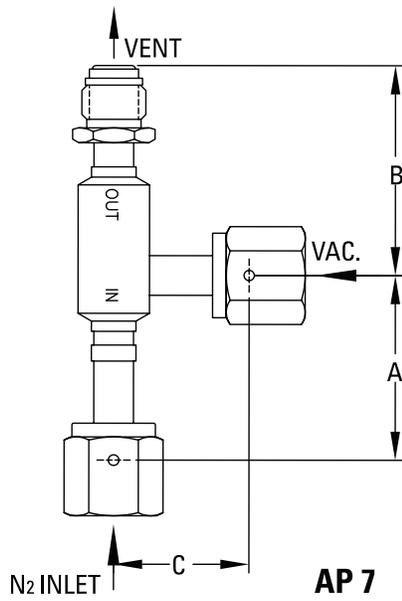
Materials

	Series AP 7	Series AP 70
Type of Service		
Wetted Parts		
Body, nozzle	SS 316L	SS 316L
Seal	N/A	Flouroelastomer/FKM

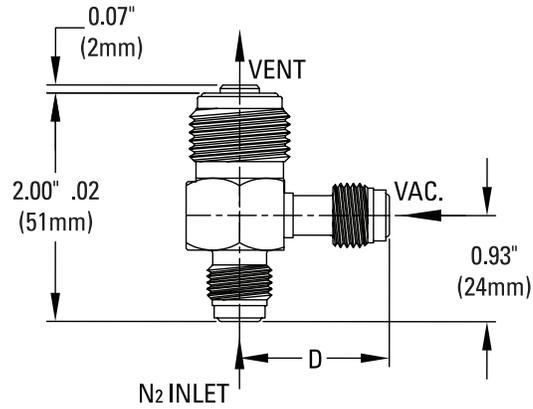
All specifications subject to change without notice.

ULTRACLEAN TECHNOLOGY BACKED BY SERVICE AND SUPPORT

DIMENSIONAL INFORMATION



AP 7



AP 70

PORTING CONFIGURATIONS

CONNECTION	A		B		C		D	
	in [±.02]	mm						
FV4, MV4	1.62	41	1.83	46	1.18	30	1.31	33
TW4	1.25	32	1.46	37	0.81	21	0.97	25
FV6, MV6	2.13	54	2.34	59	1.69	43	1.85	47
TW6	1.25	32	1.46	37	0.81	21	0.97	25

- Optional connections and face to face dimensions available.
- Please consult your local representative or the factory for further information.

All dimensions in inches.
Metric dimensions (mm) are for reference only.
All specifications subject to change without notice.

CAUTION: Product selection is the sole responsibility of the user, regardless of any recommendations or suggestions made by the factory. The user shall make selections based upon their own analysis and testing with regard to function, material compatibility and product ratings. Proper installation, operation and maintenance are also required to assure safe, trouble free performance.

ORDERING INFORMATION

Sample Order Number

AP 7S 3PW FV4 FV4 FV4

AP 7 | Series

AP 7
AP 70

S | Material

S = Stainless steel (SS)

3PW | Ports

3PW* = 3 ports butt weld

*AP 70 does not specify porting in model number.
3PW is for AP 7 only

FV4 FV4 FV4 | Connections
N₂ Inlet /
Vent/
Vacuum

FV4 = 1/4 inch face seal female
MV4 = 1/4 inch face seal male
TW4 = 1/4 inch tube stub weld
FV6 = 3/8 inch face seal female
MV6 = 3/8 inch face seal male
TW6 = 3/8 inch tube stub weld

Note: AP 70 is only available
with MV4 N₂ inlet and MV6 vent

| Options

AP Tech has product options and variations which are not documented in data sheets. If you have a model number that is not defined by the ordering information, please consult the factory or your local representative.