

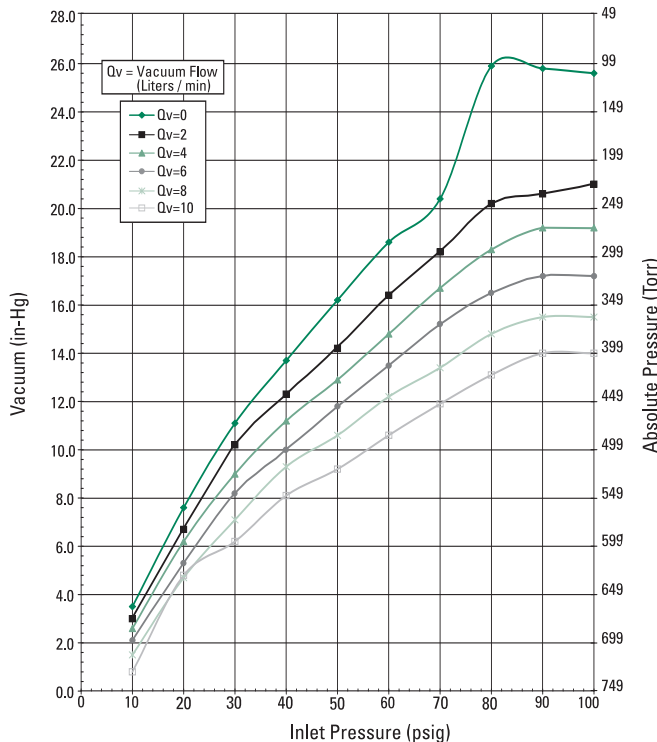
SERIES AP 7 & AP 70 VACUUM GENERATOR

- 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)
- Helium leak tested
- All welded construction

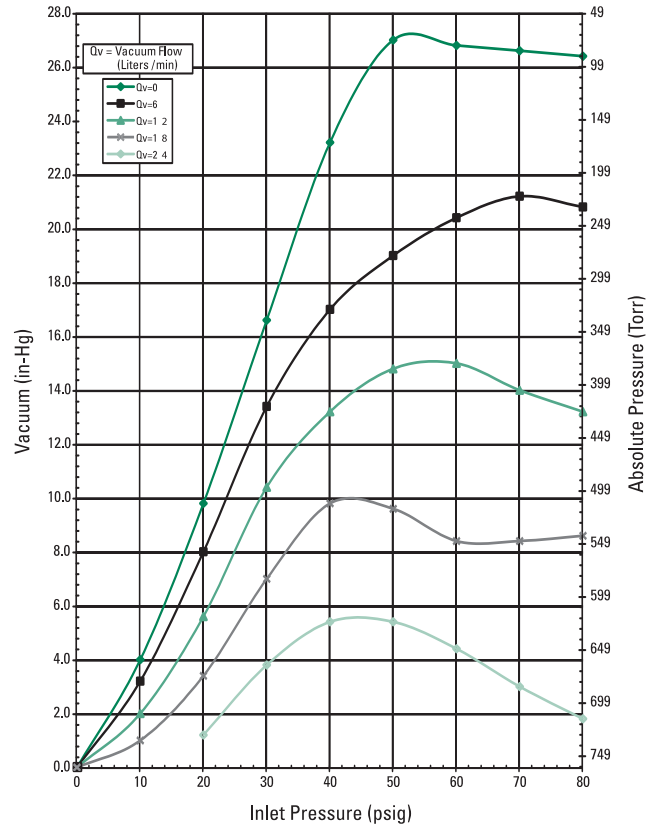
Vacuum and Flow Specifications

Vacuum and flow specifications are based on a 3/8" diameter vent line of 30" overall length.

AP7 Vacuum Generator
Inlet Pressure vs. Vacuum



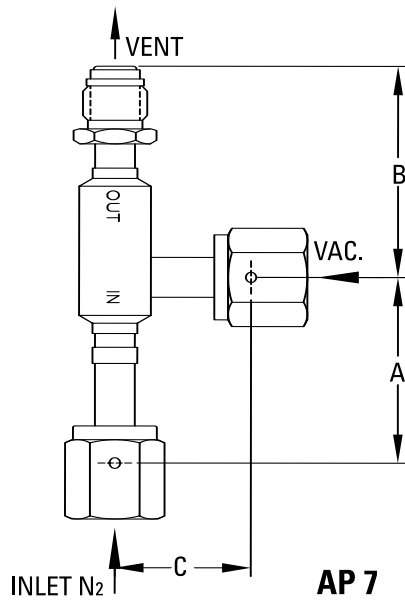
AP70 Vacuum Generator
Inlet Pressure vs. Vacuum



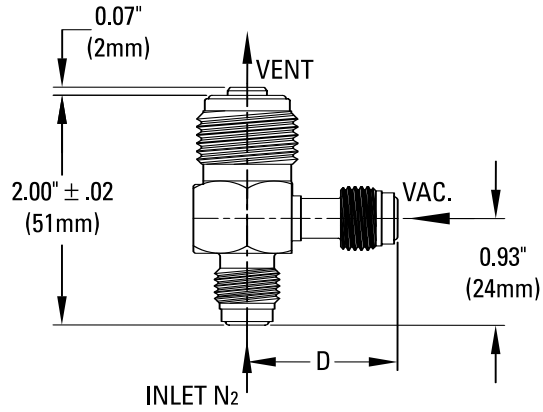
ENGINEERING DATA — SERIES AP 7 & AP 70 VACUUM GENERATOR

ULTRACLEAN TECHNOLOGY BACKED BY SERVICE AND SUPPORT

DIMENSIONAL INFORMATION



AP 7



AP 70

PORTING CONFIGURATIONS

CONNECTION	A		B		C		D	
	in [±.02]	mm	in [±.02]	mm	in [±.02]	mm	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 (mm).
Metric dimensions are for reference only.
All specifications subject to change without notice.

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

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 must have MV4 N₂
inlet and MV6 vent**