



TiTan™ 5N Ion Pump

with Integrated Titanium Eximo Shielding
US Patent No. 7.850.432 B2

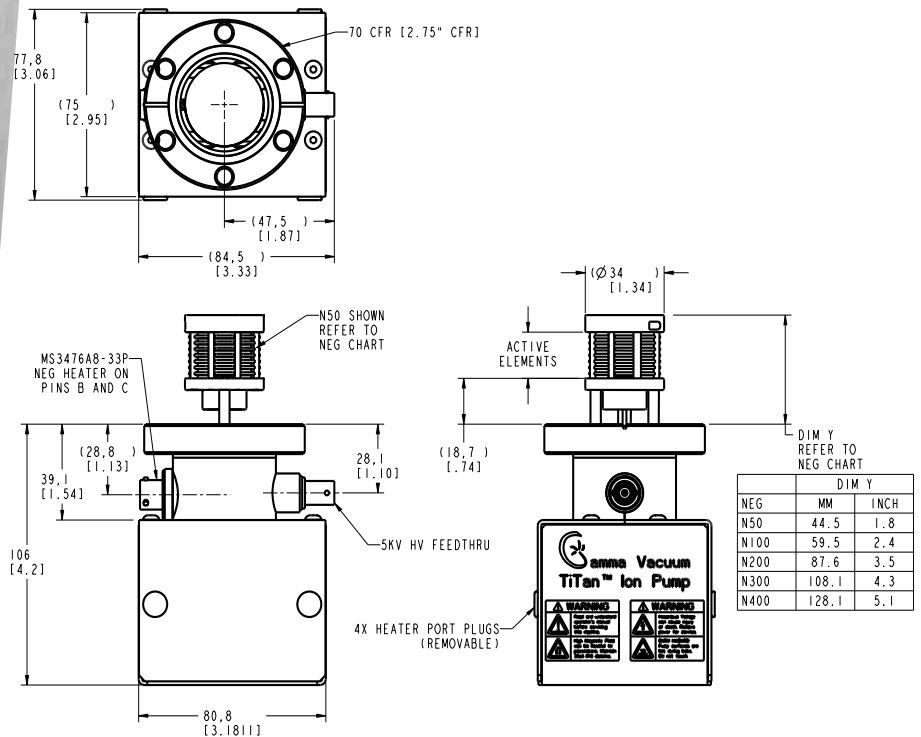


TECHNICAL SPECIFICATIONS*

Element Type	CV	DI
Pumping Speed (l/s, Nitrogen)	5	2
Starting Pressure (mbar)	$\leq 1 \times 10^{-4}$	$\leq 1 \times 10^{-4}$
Lifetime (hours @ 10^{-6} mbar)	50,000	
Ultimate Pressure (mbar)	$< 1 \times 10^{-11}$	
Maximum Baking Temperature (°C)	200 / 450 (without magnets)	
Inlet Flange	DN 35 (2.75 in.) CFR	
Weight, kg (lbs)	2.3 (5.0)	

*See NEG technical specifications
for corresponding NEG size

DIMENSIONAL DETAILS*



*N50 NEG with 5S Ion pump shown. Alternative configurations available at www.gammavacuum.com

STANDARD OPTIONS*

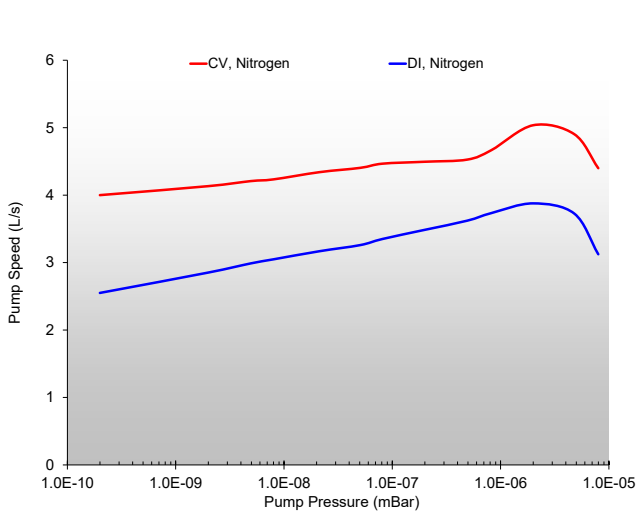
Element Styles		Ports		Feedthroughs		Heaters		TSP/NEG	
CV	Conventional 100% Titanium	2V	Single DN 35 (2.75 in. CFR) Vertically oriented	SC	SAFECONN™ 10kV SHV	N	No Heaters	N50	50 l/s NEG
DI	Differential 50% Titanium 50% Tantalum			5K	5kV SHV			N100	100 l/s NEG
								N200	200 l/s NEG
								N300	300 l/s NEG
								N400	400 l/s NEG

*Configured part numbers and pricing are available at www.gammavacuum.com. Contact us directly for custom engineered options.

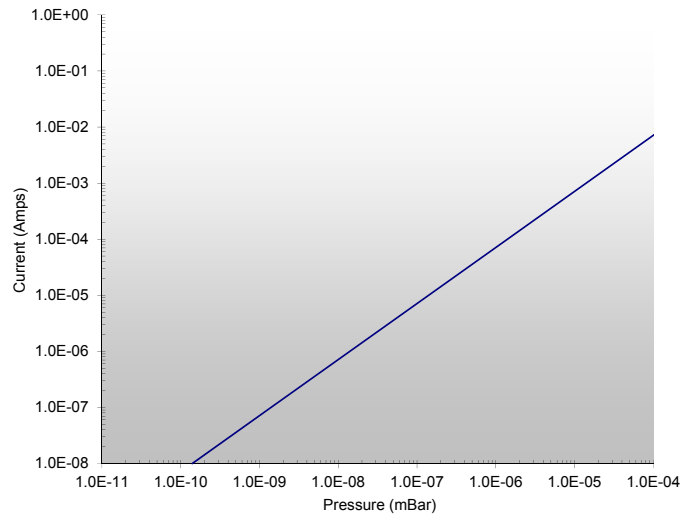
ION PUMP PERFORMANCE CHARACTERISTICS**

Pumping Speed vs. Pressure

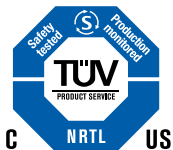
measured in accordance with ISO/DIS 3556-1.2-1192



Current vs. Pressure



**NEG performance characteristics are available on the corresponding NEG specification sheet.



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