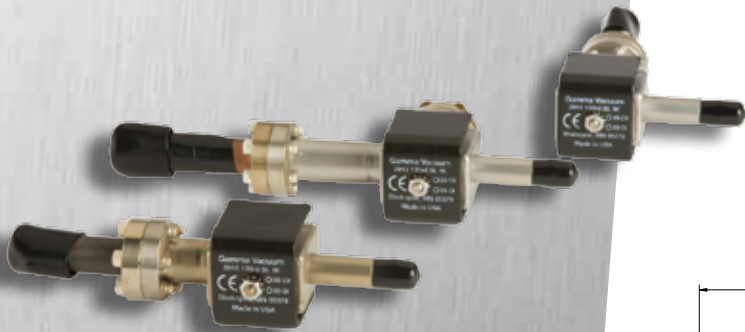




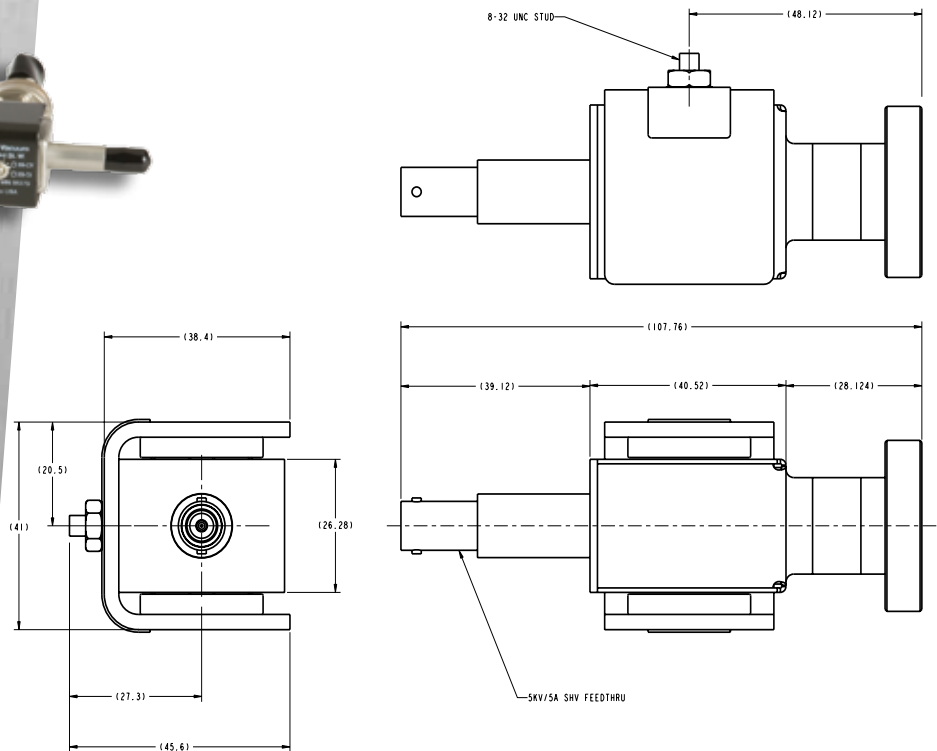
# TiTan™ 3S Ion Pump



## TECHNICAL SPECIFICATIONS

Element Type	CV	DI
Pumping Speed (l/s, Nitrogen)	3	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)	80 / 450 (without magnets)	
Inlet Flange	DN 16 (1.33 in.) CFR	
Weight, kg (lbs)	0.35 (0.8)	

## DIMENSIONAL DETAILS\*

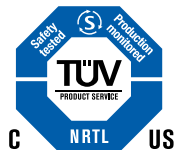


\*Single inlet flange shown. Alternative configurations available at [www.gammavacuum.com](http://www.gammavacuum.com)

**STANDARD OPTIONS\***

Element Styles		Ports		Feedthroughs		Heaters		TSP/NEG	
CV	Conventional 100% Titanium	1H	Single DN 16 (1.33 in. CFR) Horizontally oriented	5K	5kV SHV Standard	N	No Heaters	N	Not Available
DI	Differential 50% Titanium 50% Tantalum	1V	Single DN 16 (1.33 in. CFR) Vertically oriented	OV	Old Varian				
		1D	Double DN 16 (1.33 in. CFR) Horizontally oriented						
		CU	Copper 3/8 in. tube						

\*Configured part numbers and pricing are available at [www.gammavacuum.com](http://www.gammavacuum.com). Contact us directly for custom engineered options.



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