



TiTan™ 25SVT Ion Pump

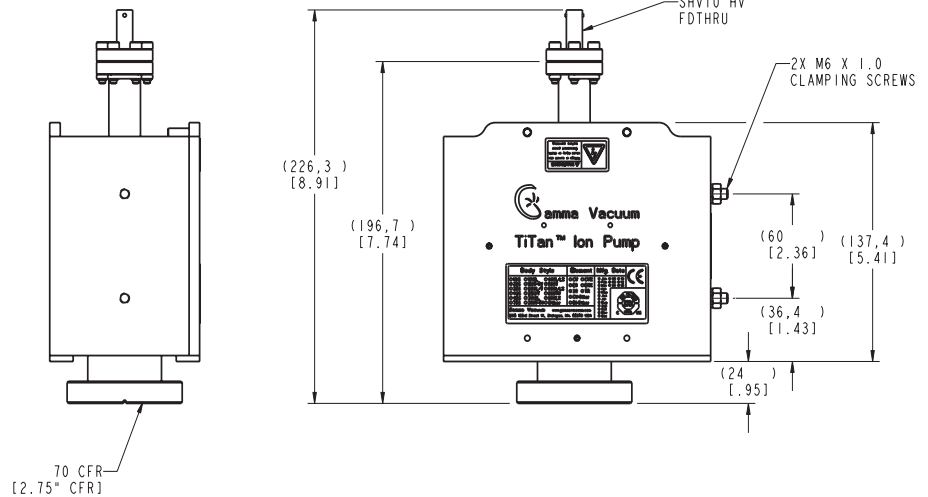
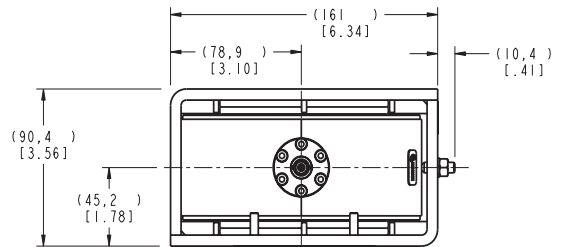


TECHNICAL SPECIFICATIONS

Element Type	CV	DI	TR
Pumping Speed (l/s, Nitrogen)	20	15	15
Starting Pressure (mbar)	$\leq 1 \times 10^{-3}$	$\leq 1 \times 10^{-3}$	$\leq 5 \times 10^{-2}$
Lifetime (hours @ 10^{-6} mbar)	50,000	50,000	80,000
Ultimate Pressure (mbar)	$< 1 \times 10^{-11}$		
Maximum Baking Temperature (°C)*	100 / 450 (without magnets)		
Inlet Flange	DN 35 (2.75 in.) CFR		
Weight, kg (lbs)	7 (15)		

*The 25SVT is a thin version of the standard 25SVW.
The magnets are rare earth materials and not bakeable.

DIMENSIONAL DETAILS**



**Single inlet flange shown. Alternative configurations available at www.gammavacuum.com

STANDARD OPTIONS*

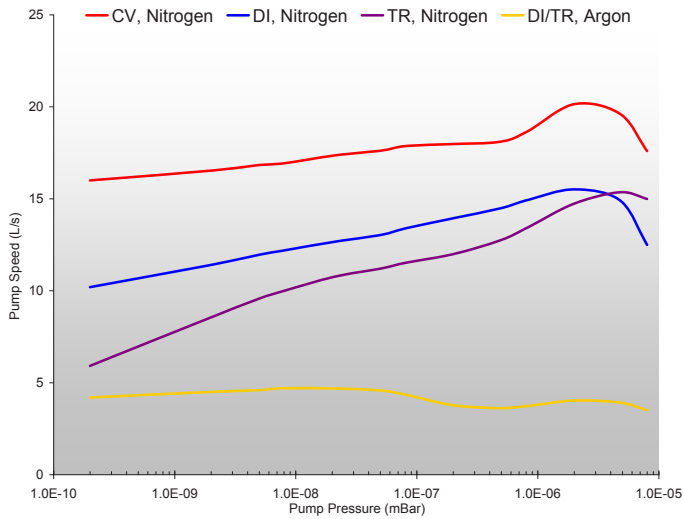
Element Styles		Ports		Feedthroughs		Heaters		TSP/NEG	
CV	Conventional 100% Titanium	2H	Single DN 35 (2.75 in. CFR) Horizontally oriented	SC	SAFECONN™ 10kV SHV	N	No Heaters	N	Not Available
DI	Differential 50% Titanium 50% Tantalum	2V	Single DN 35 (2.75 in. CFR) Vertically oriented	OP	Perkin Elmer				
TR	Triode Slotted Titanium	2D	Double DN 35 (2.75 in. CFR)	OV	Old Varian				
				VR	StarCell				
				FI	Fisher				

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

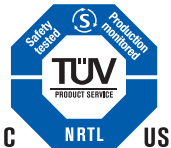
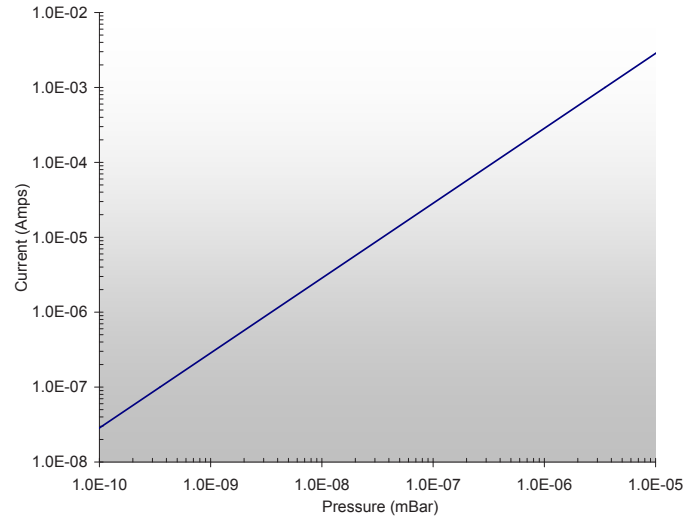
PERFORMANCE CHARACTERISTICS

Pumping Speed vs. Pressure

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



Current vs. Pressure



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