



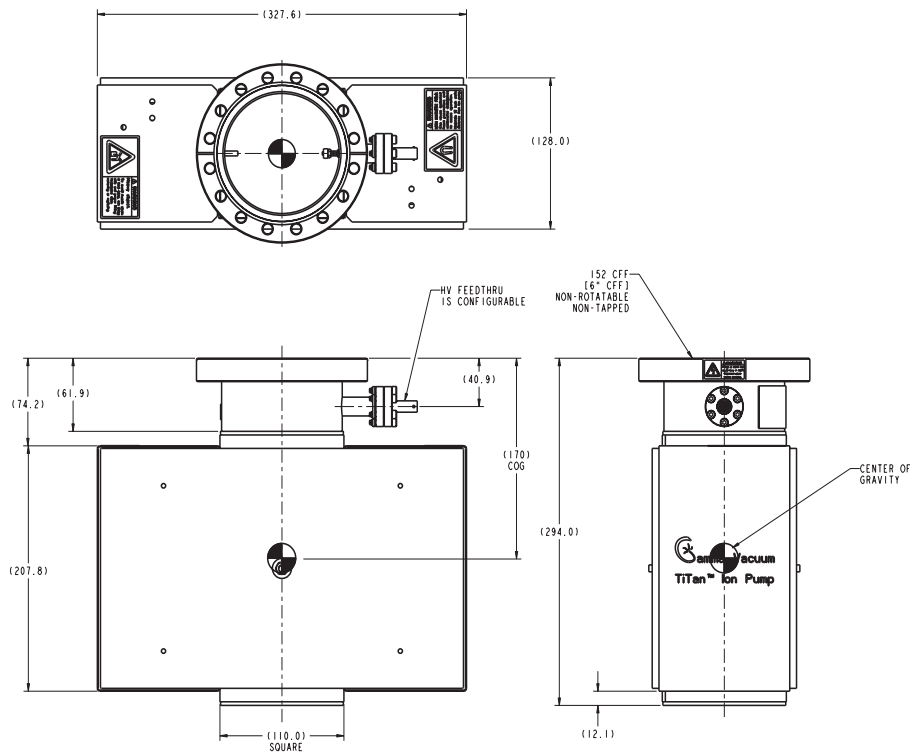
TiTan™ 100L Ion Pump



TECHNICAL SPECIFICATIONS

| Element Type | CV/CVX | DI/DIX | TR |
|-----------------------------------|-----------------------------|-------------------------|-------------------------|
| Pumping Speed (l/s, Nitrogen) | 100 | 80 | 80 |
| 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) | 250 / 450 (without magnets) | | |
| Inlet Flange | DN 100 (6 in.) CFF | | |
| Weight, kg (lbs) | 26 (65) | | |

DIMENSIONAL DETAILS*



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

STANDARD OPTIONS*

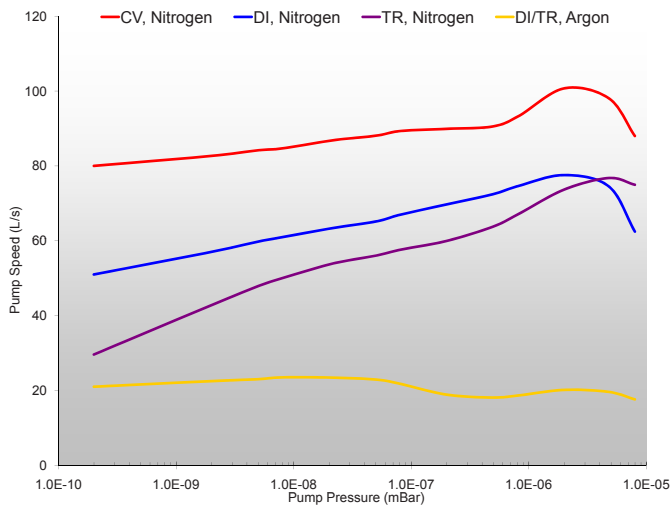
| Element Styles | | Ports | | Feedthroughs | | Heaters | | TSP/NEG | |
|----------------|--|-------|--|--------------|-----------------------|---------|-----------------------------|---------|----------------------------------|
| CV | Conventional 100% Titanium | 6S | Single DN 100 (6 in. CFF) | SC | SAFECONN™ 10kV SHV | N | No Heaters | N | Not Installed |
| CVX | Conventional SEM Shielding | 6D | Double DN 100 (6 in. CFF) | OP | Perkin Elmer | 110 | 110-volt 90-130 nominal | TSPA | TSP with Ambient Shield |
| DI | Differential 50% Titanium 50% Tantalum | 8S | Single DN 150 (8 in. CFF) 4 in. port inlet | OV | Old Varian | 220 | 220-volt 200-240 nominal | NEG | SAES® GD400-2 or as specified |
| DIX | Differential SEM Shielding | 8D | Double DN 150 (8 in. CFF) 4 in. port inlet | VR | StarCell | | | | |
| TR | Triode Slotted Titanium | | | FI | Fisher | | | | |

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

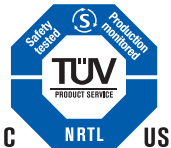
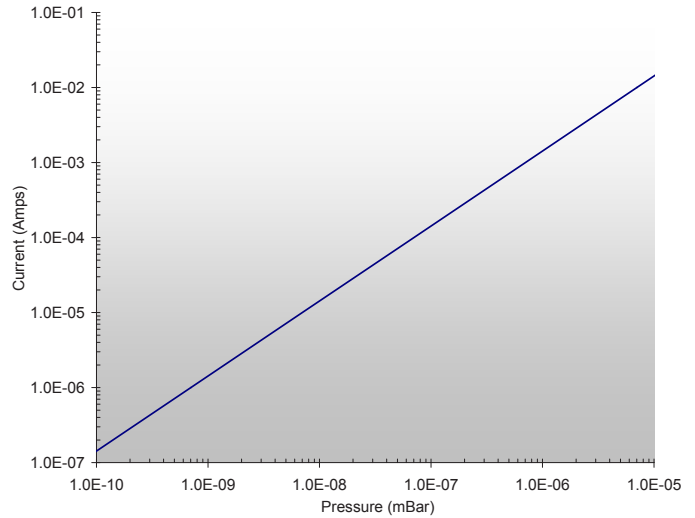
PERFORMANCE CHARACTERISTICS

Pumping Speed vs. Pressure

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



Current vs. Pressure



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