



Titanium Sublimation Pump

Low cost, fully software controlled TSP

160-220mm vacuum insertion (DN40CF)
LN₂ shroud option

highly reliable solid state output switching and full software control of all parameters:-

- run time per filament
- off time per filament
- number of active filaments (up to 4)
- cycle count

Titanium Sublimation Pump TSP

TSP Specifications

The Titanium Sublimation Pump is configured for constant filament current operation and features a thyristor and phase-control circuit for long-term and trouble-free operation.

The unit is also fully software controlled and web-enabled so that it can be operated over any network, including the internet.

The TSP Controller regulates the quantity of material sublimated from the filaments, compensating for changing conditions and eliminating the need for operator attendance or adjustment.

Four filaments can be connected simultaneously.

To avoid the fracture of the Ti filament due to thermal stress or the structural change of Ti, all parameters of each filament can be set individually (max current, ramp time, filament number etc.).

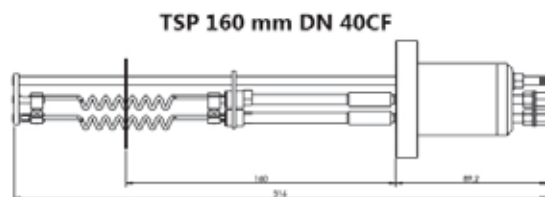
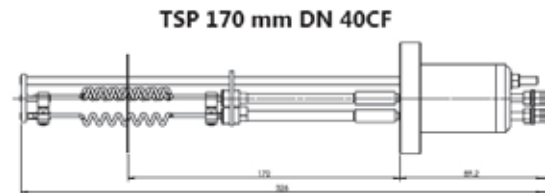
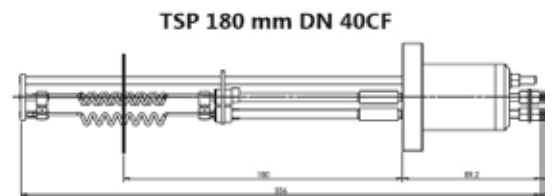
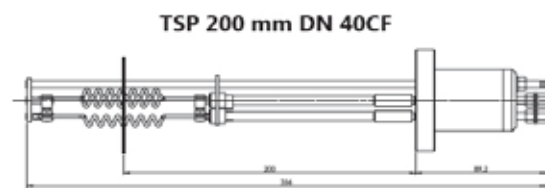
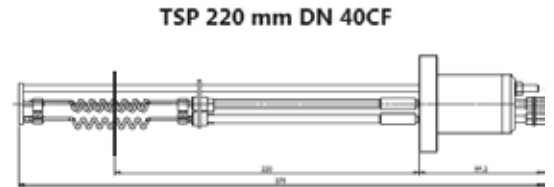
TSP Controller/Software

Power - 600W max @ 50A max current

Output - Regulated at 5-50A RMS x0.5A in sublimation and x5.0A in degas

Full software control of; current, run time per filament, off time per filament, number of active filaments (up to 4) and cycle count.

19 inch rack mounted



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