

## MSP Turbo<sup>™</sup> Vaporizer

Model 2841PE



MSP's 2841PE Turbo™ Vaporizer was designed for high flow microelectronic applications. It has the state-of-the-art Performance Enhanced (PE) atomizer with on-board flow control and dual heaters to compensate for evaporating cooling at high liquid flow.

**Dimensions** 297 mm x 119 mm x 122 mm (11.7 inch x 4.7 inch x 4.8 inch)

Weight 7.2 kg (15.8 lb)

Fittings (on the unit)

Carrier Gas Inlet 1/4 inch VCR female split nut

Liquid Inlet1/8 inch VCR femaleVapor Outlet1/2 inch VCR femaleCompressed Air4 mm instant tube fitting

Wetted Parts SS 316, PEEK, PCTFE, Elgiloy®, FFKM, PTFE

Leak Integrity≤ 1x  $10^{-9}$  Pa·m³/s HeliumHeater Power Requirements $120 V_{AC}$ , 60 Hz, 500WCarrier GasInert gas recommended

Max Carrier Gas Flow<sup>1</sup> 7.0 standard liters/min N<sub>2</sub> at 80 psig

4.5 standard liters/min N<sub>2</sub> at 50 psig

Max Liquid Flow<sup>2</sup> 2,400 g/hr. (TEOS or equivalent)

240 g/hr. (H<sub>2</sub>O or equivalent)

System Pressure Limit150 psigCompressed Air90 to 110 psigTemperature Range40° C to 160° C

160° C to 200° C with optional piezo cooling package

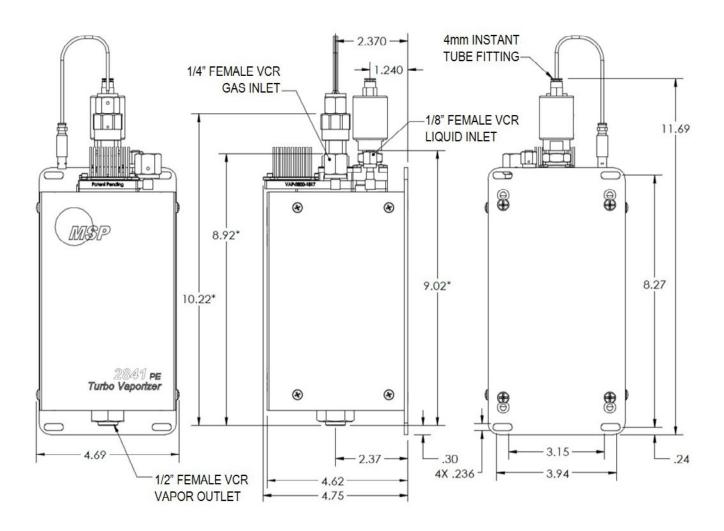
Temperature Sensor 2 type K thermocouples

Vaporizer Body Vacuum tight chamber with multi-stage heat exchanger, SS 316 construction

<sup>1</sup> Max Carrier Gas Flow Rate is adjustable; visit www.tsi.com/contact to request more information.

<sup>2</sup> Max. liquid flow is process dependent. The spec assumes a vaporizer temperature of 180° C or higher, N₂ carrier gas ≥4.5 SLPM, and pressure <10 Torr immediately downstream of the vaporizer.





All specifications are subject to change without notification.

The MSP logo is a registered trademark of MSP Corporation. TSI and the TSI logo are registered trademarks of TSI Incorporated.



MSP - Visit our website www.tsi.com/msp for more information.

5910 Rice Creek Parkway, Suite 300 Shoreview, Minnesota 55126, U.S.A. **Tel:** 651.287.8100