MSP Turbo™ Vaporizer

Model 2801PE

MSP® Turbo™ Vaporizer 2801PE is designed for high-flow, thermally sensitive vapors, making it a good solution for high-flow high-k dielectric applications. It has a state-of-the-art Performance Enhanced (PE) atomizer with an on-board flow control, and its heat exchanger provides excellent heat transfer efficiency.

Dimensions	297 mm x 117 mm x 173 mm (11.7 inch x 4.6 inch x 6.8 inch)
Weight	6.9 kg (15.2 lb)
Fittings (on the unit)	
Carrier Gas Inlet	1/4 inch VCR female split nut
Liquid Inlet	1/8 inch VCR female
Vapor Outlet	1/2 inch VCR female
Compressed Air	4 mm instant tube fitting
Wetted Parts	SS 316, PEEK, PCTFE, Elgiloy®, FFKM, PTFE
Leak Integrity	≤ 1x 10^{-9} Pa·m^3/s (He)
Heater Power Requirements	208 V_{AC}, 60 Hz, 300W
Carrier Gas	Inert gas recommended
Max Carrier Gas Flow[1]	7.0 standard liters/min N_2 at 80 psig 4.5 standard liters/min N_2 at 50 psig
Max Liquid Flow[2]	1,200 g/hr. (TEOS or equivalent) 120 g/hr. (H_2O or equivalent)
System Pressure Limit	150 psig
Compressed Air	90 to 110 psig
Temperature Range	40° 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

[1] Max Carrier Gas Flow Rate is adjustable; visit www.tsi.com/contact to request more information.
[2] Max. liquid flow is process dependent. The spec assumes a vaporizer temperature of 180° C or higher, N_2 carrier gas ≥4.5 SLPM, and pressure <10 Torr immediately downstream of the vaporizer.

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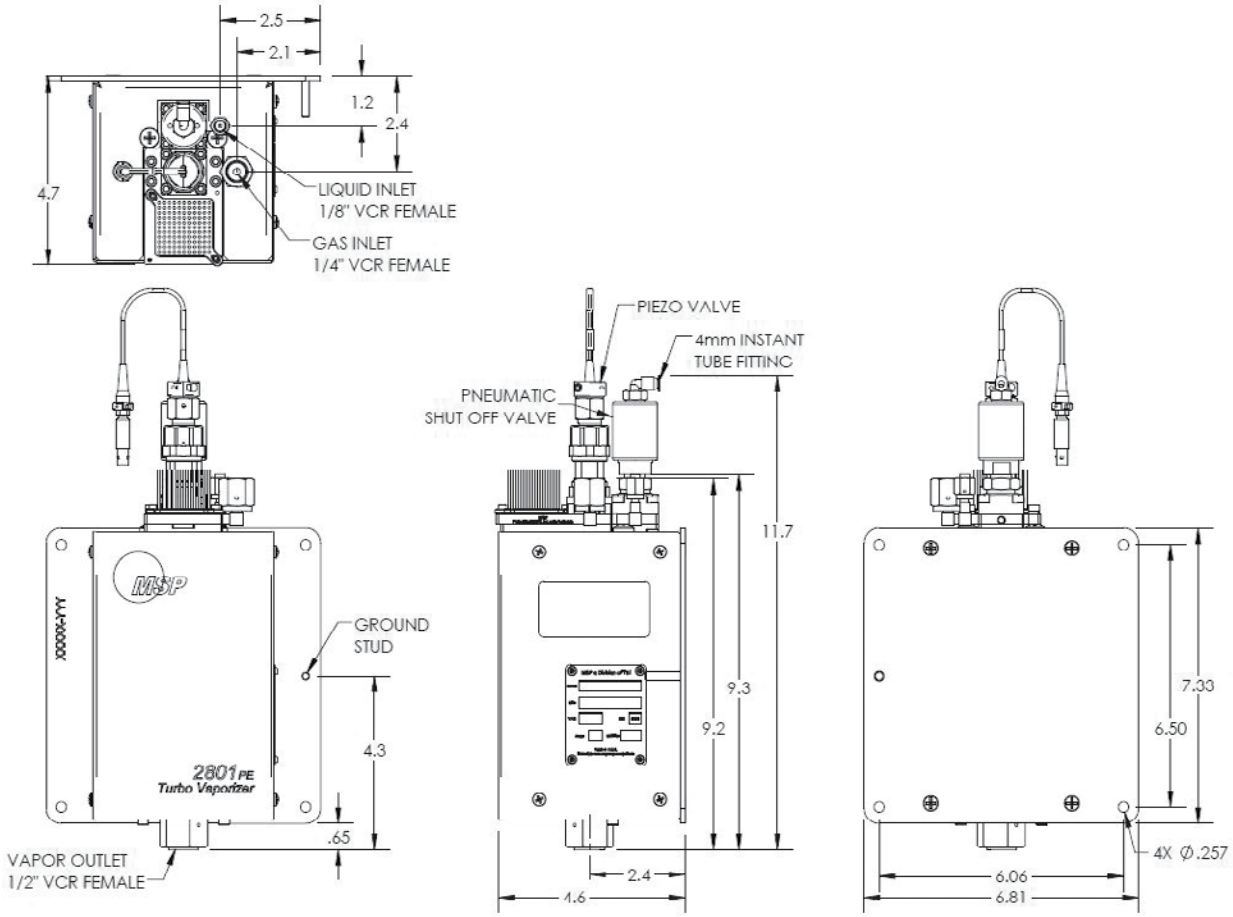

All specifications are subject to change without notification.

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

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P/N 5002427 Rev D

Printed in U.S.A.

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