

MSP® TURBO™ VAPORIZER MODEL 2801PE

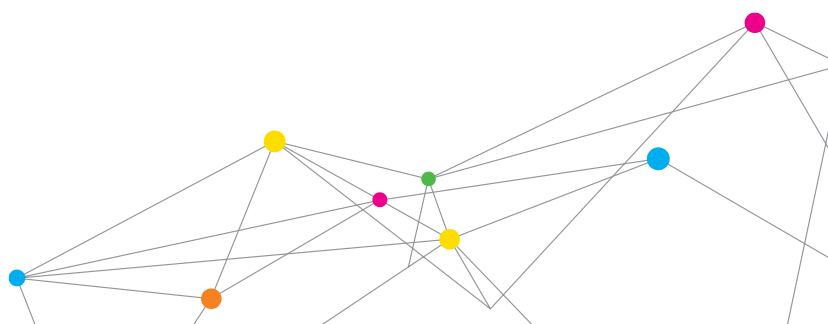
MSP® Turbo™ Vaporizer 2801PE is designed for high-flow, thermally sensitive vapors, making it a good solution for high-flow TEMAZr applications. It has a state-of-the-art Performance Enhanced (PE) atomizer with an on-board flow control, and its heat exchanger features wide internal pathways and a long residence time.



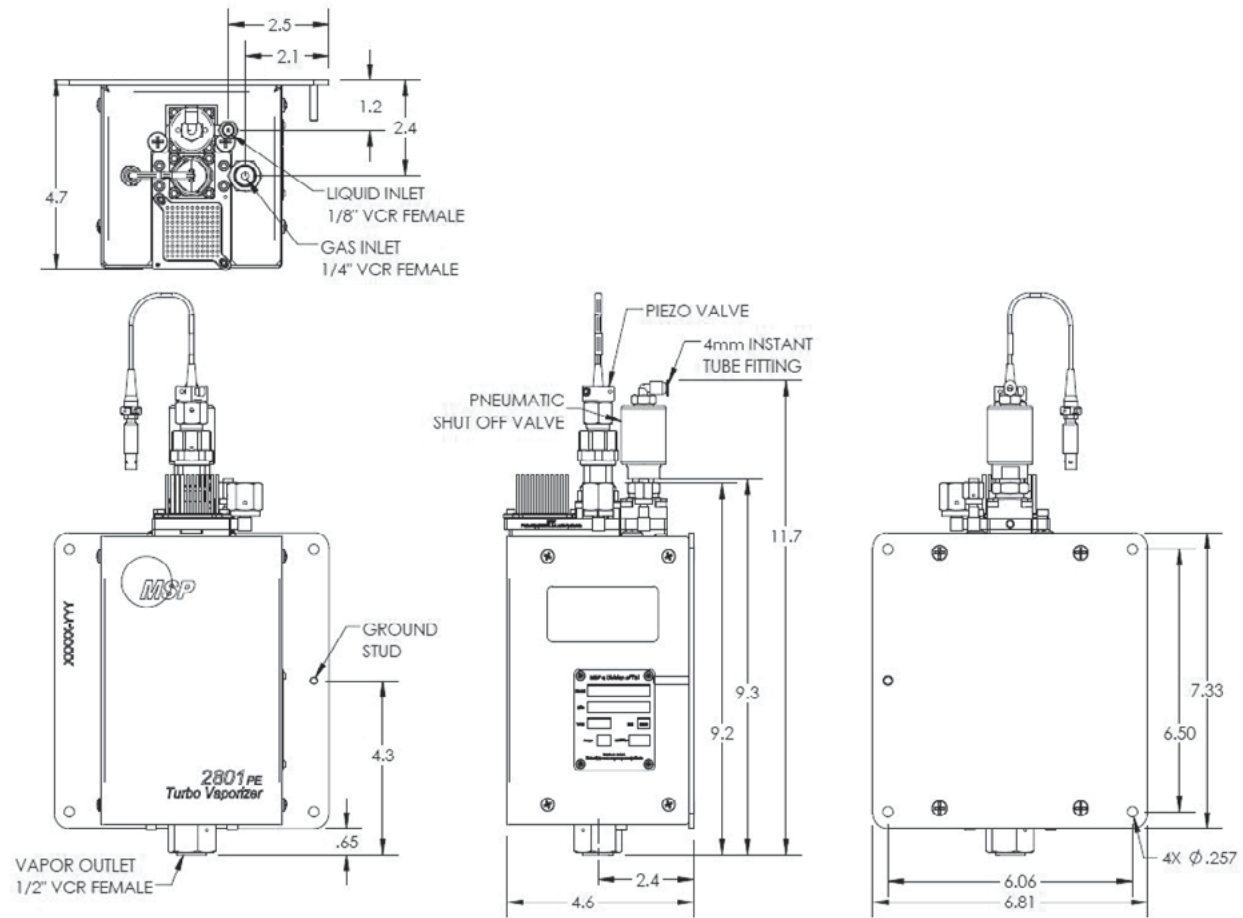
Dimensions	297 mm x 117 mm x 173 mm (11.7 inch x 4.6 inch x 6.8 inch)
Weight	6.9 kg (15.2 lb)
Fittings (on the unit):	
Carrier Gas Inlet	1/4 inch VCR female split nut
Liquid Inlet	1/8 inch VCR female
Vapor Outlet	1/2 inch VCR female
Compressed Air	4 mm instant tube fitting x2
Wetted Parts	SS 316, PEEK, PCTFE, Elgiloy®, Kalrez®, PTFE
Leak Integrity	$\leq 1 \times 10^{-9}$ Pa·m ³ /s Helium
Heater Power Requirements	208 VAC, 60 Hz, 300W
Carrier Gas	Inert gas recommended
Max Carrier Gas Flow¹	8.5 standard liters/min N ₂ (@70 psig inlet pressure)
Max Liquid Flow²	1,200 g/hr. (TEOS or equivalent) 120 g/hr. (H ₂ O or equivalent)
System Pressure Limit	120 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 Up to 15 standard L/min available.

² Max. liquid flow is process dependent. The spec assumes a vaporizer temperature of 180° C or higher, Ar carrier gas from 4-7 SLPM, and pressure <50 Torr immediately downstream of the vaporizer.



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All specifications are subject to change without notification.

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