msp™
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MSP Turbo II™ Vaporizer

Model 2852PE

Low flow, piezo valve

MSP's Turbo II™ Vaporizer 2852PE is designed for high-precision microelectronic applications that require low to mid vapor flow rates. Based off of the field proven, highly reliable, and low-maintenance MSP Turbo™ Vaporizers, the new 2852PE provides stable vapor concentrations while maintaining a very small footprint. The 2852PE also features an on-board flow control valve for extremely fast flow-rate response.

Dimensions	198 mm x 79 mm x 114 mm (7.8" x 3.1" x 4.5")
Weight	2.5 kg (5.6 lb)
Fittings (on the unit)	
Carrier Gas Inlet	¼ inch VCR female split nut
Liquid Inlet	⅛ inch VCR female
Vapor Outlet	¼ inch VCR female split nut
Compressed Air	4 mm instant tube fitting
Wetted Parts	SS 316, PEEK, PTFE, Elgiloy®, FFKM
Leak Integrity	≤ 1x 10^{-8} Pa·m^3/s Helium
Heater Power Requirements[1]	208 V_{AC}, 60 Hz, 450 W
Carrier Gas	Inert gas recommended
Max Carrier Gas Flow[1]	2.0 standard liters/min N_2 @ 50 psig
Max Liquid Flow[2]	7 g/min (TEOS or equivalent)
System Pressure Limit	150 psig
Compressed Air	90 to 110 psig
Temperature Range[3]	40°C to 180°C
Temperature Sensor	2 type K thermocouples

[1] Max Carrier Flow, Heater Power (W) and Line Voltage are factory 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, max. carrier gas flow and pressure <50 Torr immediately downstream of the vaporizer.
[3] Appropriate venting is required.

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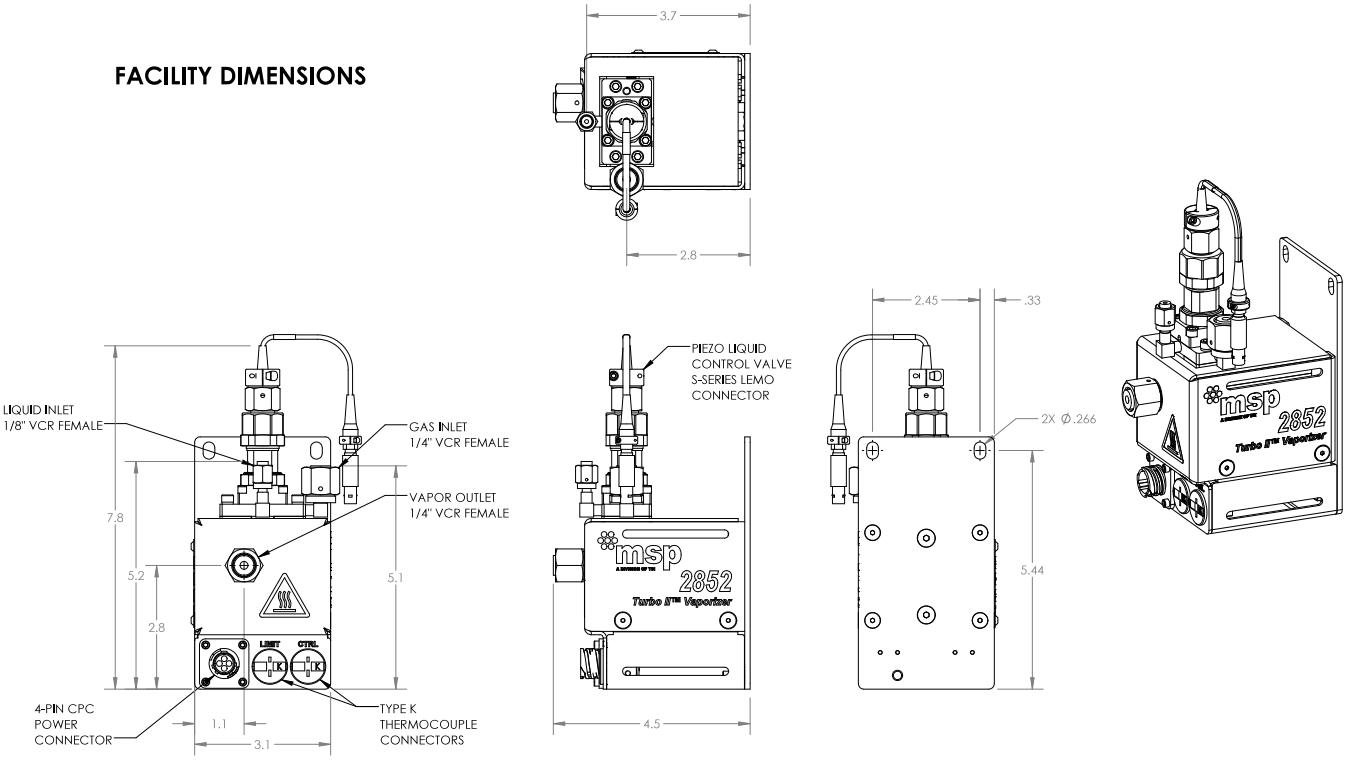
FACILITY DIMENSIONS



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

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