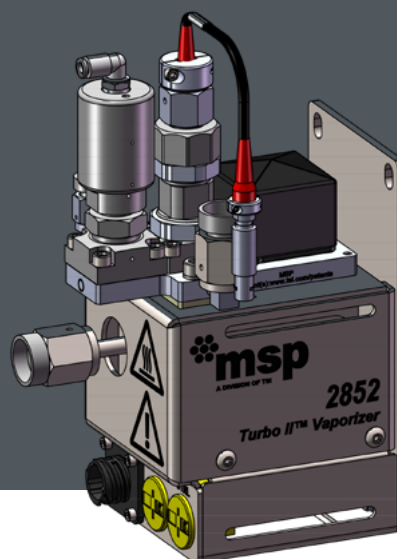




MSP Turbo II™ Vaporizer

Model 2852PE-P



Low flow, piezo and pneumatic valves

MSP's Turbo II™ Vaporizer 2852PE-P 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-P provides stable vapor concentrations while maintaining a very small footprint. The 2852PE-P also features an on-board control valve and a liquid pneumatic shut off valve for extremely fast flow-rate response and reduced dead space.

Dimensions	198 mm x 84 mm x 114 mm (7.8" x 3.3" 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, Elgiloy®, Nickel
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
Integrated Valve	Piezo control and pneumatic shut off valves
Accessories	Power cable included (3m). AMP CPC, 4 pin connector with 3 flying leads on opposite end

¹ Max Carrier Flow, Heater Power (W) and Line Voltage are factory adjustable, visit www.tsi.com/contact to request more information.

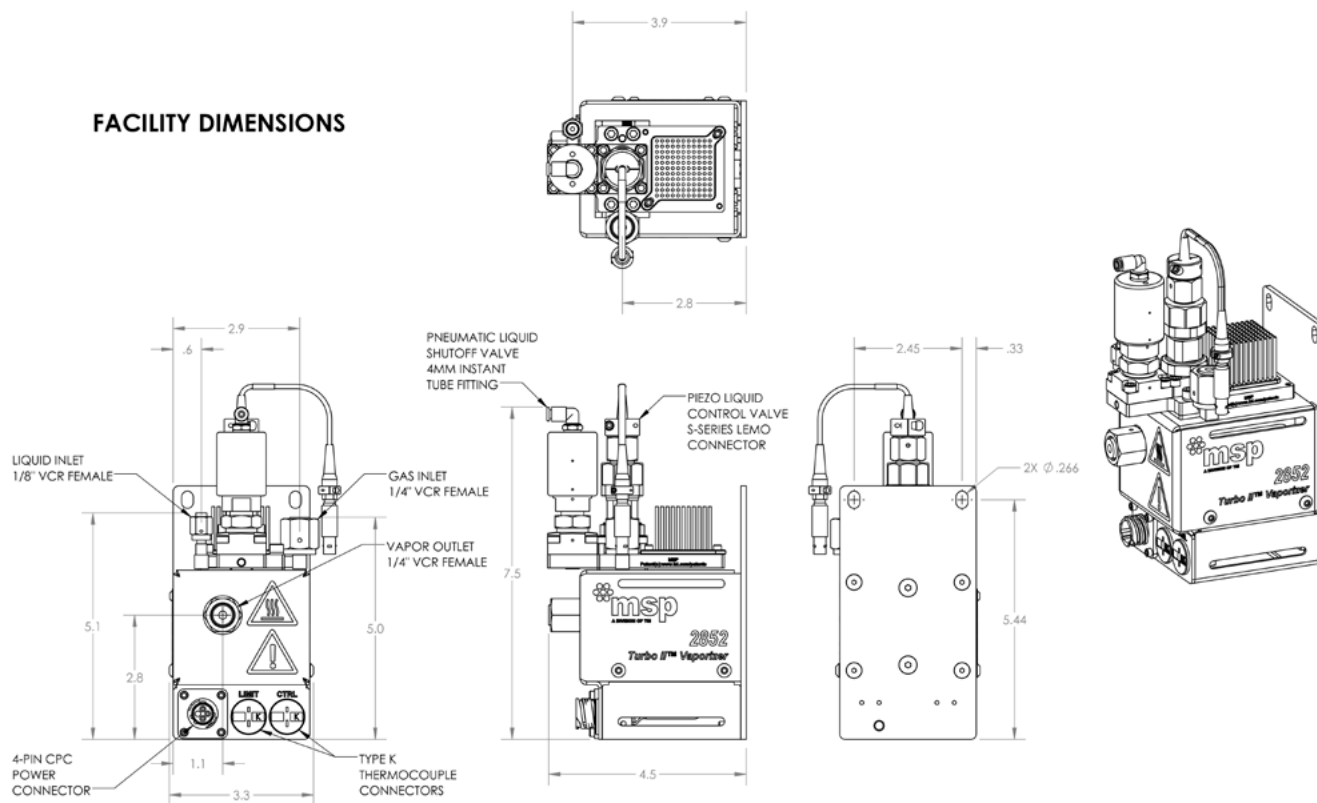
² Max. liquid flow is process dependent. The spec assumes a vaporizer temperature of 180°C, max. carrier gas flow and pressure <50 Torr immediately downstream of the vaporizer.

³ Appropriate venting is required.

MSP Turbo II™ Vaporizer

Model 2852PE-P

FACILITY DIMENSIONS



All specifications are subject to change without notification.

ELGILOY® Registered Trademark of Elgiloy Specialty Metals.

The MSP logo is a 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