

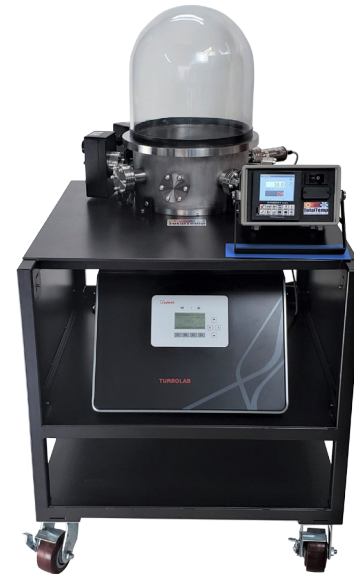
Thermal Vacuum Chamber

Product Overview



TotalTemp's Thermal Vacuum (TVAC) Chambers simulate space conditions with high vacuum levels and precise thermal control.

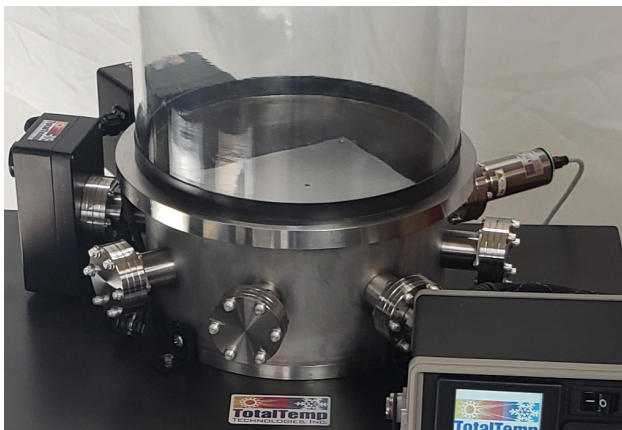
By integrating our advanced thermal platforms technology inside vacuum chamber, these systems deliver efficient and rapid conductive heat transfer for a reliable space simulation thermal testing test performance.



VmSD49

Features and Options:

- Compact, portable systems with small footprint
- High altitude / space simulation up to 1×10^{-6} Torr
- Fast pump-down and thermal transition rates
- Integrated Redundant Safety systems
- Pyrex bell-jar or Stainless Steel chamber enclosures
- Configurable feedthrough ports for instrumentations
- Thermal platforms available for direct integration into existing vacuum chambers
- Fully featured, touch-screen or basic controllers



VmSD49

Space Simulation Chamber Specifications

Temperature Range	-70°C to +175°C (L-N ₂)
	-65°C to +175°C (L-CO ₂)
	-45°C to +175°C (Single Stage Refrigeration)
	-70°C to +175°C (Cascade Refrigeration)
Temperature Transition Rate	Cooling: Typical 40°C/minute
	Heating: Typical 20°C/minute
	Rapid thermal transition rates available
Platform Temperature Control Tolerance	±0.1°C
Platform Temperature Uniformity	±0.5°C maximum
Power Requirement	100-120V / 50-60Hz / 1PH / 15-20A max
	200-240V / 50-60Hz / 1PH / 15-20A max
	Platform CE marking compliance



VmSD144ME1-N



VmSD144ME2-N

