### **M600**

## **Helium Compressor**

Based on proven scroll compressor technology, the Austin Scientific M600 air or water cooled helium compressors are highly versatile, with particular focus on ease of installation and maintenance.

### Multiple pump configurations

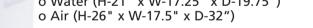
M600 series can easily produce sufficient cooling to run multiple cryopumps for cluster tool and other applications

- 60 scfm helium throughput
- Efficiently drives single or multiple pump configurations
  - o Three CP-8 or CP-8 Low Profile pumps
  - o Two CP-10 cryopumps
  - o Standard, APD, Leybold drive units
- Fully interchangeable and compatible with Helix Cryotorr ® pumps
- M600-OB specifically configured for Helix ® On- Board pumps.

### Proven reliability

Deployed for five years in production environments globally running multiple Austin Scientific and competitor pumps

- Air and water versions with equal reliability and cooling capacity
- High and low voltage versions at 50 and 60 Hz.
- Small footprint
  - o Water (H-21" x W-17.25" x D-19.75")



- Quiet with low vibration ideal for semiconductor, industrial and coating customers
- Designed with all utilities on the front of the unit, allowing convenient rack or cabinet installation and easy routine maintenance

### **Diagnostics**

- Built in water flow meter displays flow and cooling water condition.
- Individual supply and return pressure gauges provide better diagnostics
- Compressor can be controlled and monitored remotely

### Maintenance

- Adsorber change is simplified with removable front panel no need to remove multiple covers.
- Electrical box is modular and is a field replaceable unit







**M600 Series Specification** 

Helium Flow 60 SCFM

Static Helium Charge 240 psi (+/-5 psi)

Power

**Operating Voltage** 

3 Phase 50Hz or 60Hz Power Consumption

Low Voltage - 190-260 Vac 9kw High Voltage - 345-525 Vac 9kw

M600W - Water Cooled Helium Compressor

Minimum required water flow 1.5 gallons/min

Maximum Water Temperature 40F - 85F

Dimensions H21" x W17.25" x D19.75"

Weight 260 lbs

M600A - Air Cooled Helium Compressor

Temperature Operating Range 65F - 105F

Dimensions H26" x W17.25" x D32"

Weight 300 lbs

### **Multiple Pump / Compressor Configuration Matrix**

	M125-W	M125-A	M600-W	M600-A
Austin Scientific - CP8	1	1	3	3
Austin Scientific - CP10			2	2
Austin Scientific - CP16			1	1
Helix - CTI - CT-8/CT-8OB	1	1	3	3
Helix - CTI - CT-10/CT10OF	3		2	2
Helix - CTI - CT-400			1	1
Helix - CTI - CT-500			1	1

Number of pumps supported per compressor

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