

M125 Helium Compressor

Industry standard design for driving single cryopump configurations.

The M125 compressor is designed to drive a single model CP-8 or CP-8LP cryopump. It is the heart of many inline coating systems and can be found in almost any university research laboratory or production facility.

Proven reliability

Manufactured for over 15 years, the M125 is designed to run continuously for many thousands of hours

- Minimal maintenance requirements
- Annual adsorber change
- Removable top cover for easy access
- No front and rear panels to struggle with

Specifications

Air or water-cooled, 208/230 VAC, single phase operation at 50 or 60 Hz

- Compatible with all Helix Cryotorr® helium lines and drive cables, with optional remote control
- Rack mounting available, ideal for ion implanters, Catscanners and sputtering systems
- 12.5 scfm compact and lightweight cooling power
 - o Weight 160lbs
 - o Dimensions 19" x 19.5" x 16"



M125 Helium Compressor Series

Helium Flow	12.5 SCFM
Envelope (height x width x depth)	19" x 19.5" x 16"
Weight	160 lbs
Air or Water Cooled	
Ambient Temp Range	65F - 105F
Chilled Water Limits	60F - 80F
Minimum required water flow	.5 Gallons/minute
Static Helium Charge	190 psi (+/- 5 psi)
Power	
Input (VAC) Single Phase 50Hz or 60Hz	190-260 Vac
Power consumption	~1.8 kilowatts
Largest compatible pump	Cryo-Plex 8 or equivalent

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/CT10OB			2	2
Helix - CTI - CT400			1	1
Helix - CTI - CT-500			1	1

Number of pumps supported per compressor

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