



M600 Compressor

M Series Helium Compressors

Trillium's M Series scroll based helium compressors provide extensive helium operating pressure and flow range to a wide variety of cryopump and cryogenic cold head applications.

Available in high voltage, low voltage, water, and air cooled variants; M Series compressors offer convenient maintenance, proven reliability, and optional remote control features.

COMPETITIVE

Attractive Pricing
Immediate Availability

HIGH QUALITY

Full Engineering Department
ISO-9001 Certified

COMPATIBLE

Fully Interchangeable with
CTI/Helix Product

WELL SUPPORTED

After Sale Service & Spares
From 3 US Service Centers

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M Series Helium Compressors

Specifications	M250	M350	M600	M700
Maximum Helium Flow	25 CFM		60 CFM	72 SCFM
Static Helium Charge		240 psi (+/- 10 psi)		200 psi (+/- 10 psi)

WATER COOLED

Minimum Required Water Flow	0.3 gallons/minute (1.14 liters/minute)		1.6 gallons/minute (6 liters/minute)	
Cooling Water Temperature Range	60 – 80° F (15.5 – 26.7° C)		50 – 90° F (10 – 32.2° C)	60 – 80° F (15.5 – 27° C)
Cooling Water Quality	Municipal Drinking Water or Better			
Ambient Air Temperature	40 – 104° F (5 – 40° C)			
Dimensions – Height	23.32" (59.2 cm)		24.56" (62.4 cm)	24.78" (62.9 cm)
Dimensions – Width	17.75" (45.1 cm)		17.72" (45 cm)	18.56" (47.1 cm)
Dimensions – Depth	19.13" (48.6 cm)		18.30" (46.5 cm)	21.28" (54 cm)
Weight		260 lbs. (118 kg)		320 lbs. (145 kg)

AIR COOLED

Air Temperature Operating Range	Use M125	Use M600	40 – 104° F (5 – 40° C)	23 – 104° F (-5 – 40° C)
Dimensions – Height	Use M125	Use M600	26.90" (68.3 cm)	50.24" (127.6 cm)
Dimensions – Width	Use M125	Use M600	17.32" (44 cm)	18.49" (47 cm)
Dimensions – Depth	Use M125	Use M600	32.40" (82.3 cm)	30.63" (64.8 cm)
Weight	Use M125	Use M600	300 lbs. (136.1 kg)	350 lbs. (159 kg)

POWER

Rated Operating Low Voltage Range	200 – 220 VAC 1Ph @ 50 Hz* 208 – 230 VAC 1Ph @ 60 Hz*	200 – 220 VAC 3Ph @ 50 Hz* 208 – 230 VAC 3Ph @ 60 Hz*	200 VAC @ 50 Hz 200 – 230 VAC @ 60 Hz	200 – 220 VAC @ 50 Hz 240 VAC @ 60 Hz
Rated Operating High Voltage Range	N/A	N/A	380 – 420 VAC @ 50 Hz 440 – 480 VAC @ 60 Hz	380 – 420 VAC @ 50 Hz 460 VAC @ 60 Hz
Max Power Consumption	3.2 kW		7.8 kW	13.3 kW Low Volt 14.5 kW High Volt
Recommended Wall Breaker Rating	20 Amp 1 Phase	30 Amp 3 Phase	30 Amp Low Volt 20 Amp High Volt	40 Amp Low Volt 25 Amp High Volt
CE Approved	CE	CE	CE	N/A

All power specifications rated for 3 Phase unless otherwise noted: *Single & 3 Phase

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M250 Compressor



CAPACITY & COMPATIBILITY

Cryopump/Cold Head	M250	M350	M600	M700
Cryo-Plex® 8 / 350 CS	1	2	3/4*	4/5*
Cryo-Plex® 8LP / 350 CS	1	2	3/4*	4/5*
Cryo-Plex® 10 / 1020 CS	-	1	2	3
Cryo-Plex® 16 / 1050 CS	-	-	1	1/2
OnBoard® and CryoTorr® 8/8F	1	2	3/4*	4/5*
OnBoard® and CryoTorr® 250F	-	1	2	3
OnBoard® and CryoTorr® 10	-	1	2	3
OnBoard® and CryoTorr® 400	-	-	1	1/2*
OnBoard® and CryoTorr® 500	-	-	1	1

* 60 Hz Power Required

POWER & COOLING

Model	Air	Water	Power
M125	Yes	No	1Ph
M250	No	Yes	1Ph
M350	No	Yes	3Ph †
M600	Yes	Yes	3Ph †
M700	Yes	Yes	3Ph †

* 3 Phase only in Low Voltage for M250, † 3 Phase Available in Low & High Voltage

ACCESSORIES



Cryo-Plex Cryopumps



Temperature Controllers



Helium Lines



Rough Pumps



NEW & REFURBISHED SYSTEMS | SPARE PARTS | SERVICE

Trillium is your single source for expert Service, Exchange, New & Refurbished Systems and Parts. With 3 nationwide locations, an in-house machine shop, and ready-to-ship inventory, customers love our short lead times and competitive costs. Plus, our ISO-9001 certified quality system and decades of expertise allow us to deliver top-notch products and services every time. Clients find us easy to do business with due to our sophisticated back office systems, customized weekly status reports, flexible pricing options, and our popular equipment buy-back program.



New, Exchange, Refurbished Units & Expert Service

Cryogenics



Cryogenic Spare Parts, Replacement Kits & Accessories

Cryogenic Accessories



New Rough Pump, Blowers & Piston Pumping Packages

New Pumping Systems



Expert Service, Exchange & Refurbished Units

Other Pumping Systems



Factory Service, Parts & Support

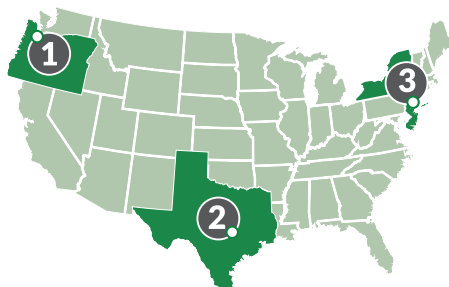
Temperature Control Units



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