

MegaCold 12A Cryochiller

MegaCold Systems support sales & service of cryopumps across America. Our dedicated team have decades of experience within the industry. We pride ourselves in offering rapid breakdown support nationwide and performing in house repairs at our state of the art California facility to the highest standard.

Our expertise & experience means that we have the knowledge to offer full advice and support for most applications. From sizing the correct unit through to design and manufacture of cryocoils, we can offer a complete turn key package.

Working closely with a network of service partners around the world we can support the MegaCold range for end users across the globe.



12A
A: 750 mm
B: 850 mm
C: 1550 mm
W: 380kg

Specifications

MODEL	MegaCold 12A
Power Requirements	380-460v, 50/60Hz*
Maximum Power (KW)	9.7
Electric Current (A)	17.7
Theoretical max pumping speed (l/s)	89,400
Conservative Pump Speed (l/s)	60,000
Maximum Cooling Capacity (w)	1500
Cryocoil Tube Length (M)	12
Cryocoil Surface m ²	0.6
Pre-Cooling Time (Min)	25
Cooling Time (Min)	≤3
Defrost Time (Min)	≤3
Return Cooled (Min)	
Cooling	Water Cooled, 18-30°C, 2-4 bar
Cooling water flow (l/min)**	25
Refrigerant	Environmental mixed refrigerant
Control Systems	PLC + Touch screen interface

*Other voltages available upon request.

**Flow rate required will vary based on temperature.

Average Temperature (A) and Cryosurface Temperature vs. Heat Load (B) - 50 Hz

