

MegaCold 50A Cryochiller

Megatech has been involved in the vacuum industry for over 40 years. We have supplied equipment and offered service and support during this time gaining much experience and knowledge along the way. We offer a complete solution to your water vapour pumping needs. Our experienced team of sales and service engineers are always available to offer advice.

Megatech provide worldwide sales and support for the MegaCold series. Our facilities are in the UK and mainland Europe. We have designated service partners around the world to meet rapid service call-out requirements.

The MegaCold is available in single or dual cooling circuit models. Dual circuits enables the cooling of two cryosurfaces (two cryocoils, coil and baffle or two baffles) which can be cooled and defrosted separately.



50A
A: 820 mm
B: 1000 mm
C: 1700 mm
W: 560kg

Specifications

MODEL	MegaCold 50A	MegaCold 50AX***
Power Requirements	380-460v, 50/60Hz*	
Maximum Power (KW)	18.1	
Electric Current (A)	31	
Theoretical max pumping speed (l/s)	372,500	
Conservative Pump Speed (l/s)	250,000	
Maximum Cooling Capacity (w)	4000	
Cryocoil Tube Length (M)	50	25****
Cryocoil Surface m ²	2.5	1.25
Pre-Cooling Time (Min)	25	
Cooling Time (Min)	≤5	
Defrost Time (Min)	≤3	
Return Cooled (Min)	≤5	
Cooling	Water Cooled, 18-30°C, 2-4 bar	
Cooling water flow (l/min)**	55	
Refrigerant	Environmental mixed refrigerant	
Control Systems	PLC + Touch screen interface	

*Other voltages available upon request.

**Flow rate required will vary based on temperature.

***Dual cooling circuit.

****Per cooling circuit.

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

