

## MegaCold 20A 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.



**20A**

**A: 750 mm**

**B: 950 mm**

**C: 1650 mm**

**W: 480kg**

### Specifications

| MODEL                               | MegaCold 20A                    |
|-------------------------------------|---------------------------------|
| Power Requirements                  | 380-460v, 50/60Hz*              |
| Maximum Power (KW)                  | 11.7                            |
| Electric Current (A)                | 21                              |
| Theoretical max pumping speed (l/s) | 149,000                         |
| Conservative Pump Speed (l/s)       | 100,000                         |
| Maximum Cooling Capacity (w)        | 2100                            |
| Cryocoil Tube Length (M)            | 20                              |
| Cryocoil Surface m <sup>2</sup>     | 1                               |
| 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)**        | 30                              |
| 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

