

# MCH-1000(i)<sup>TM</sup>

## Simply Powerful.

The CardioQuip **MCH-1000(i)**<sup>TM</sup> combines user-friendly controls with superior cooler-heater performance. With features like a digital touchscreen, precision temperature control, and modular customization, the MCH-1000(i) delivers the performance your patient needs and the simplicity you desire.

### Benefits

- Best-in-class cooler-heater performance
- Simplified cleaning
- Space saving design
- Intuitive touchscreen controls

### Features

- 1600W of heat delivers efficiency & performance
- Patented Adaptive Temperature Control technology accurately maintains set temps
- Up to three external devices can be used simultaneously; oxygenator, blanket (with MCH-10DMB), and cardioplegia heat exchangers
- Set point control to 0.1°C
- Customizable pump speeds
- Open water path reduces risk
- Optional Refrigeration Module (MCH-10RMS) creates ice block
- Dripless connections
- Certified to IEC 60601-1 4th Edition
- Made in USA



# MCH-1000(i)™ Specifications

Dimensions (LxWxH)	66x41x89 cm (26x16x35 in)
Weight (empty/full)	39 kg (85 lbs) / 70 kg (155 lbs)
Water Capacity (min/max)	8L (2 gal) / 36 L (9 gal)
Cooling Medium	Ice (Optional MCH-10RMS Refrigeration Module)
Water Path	Single or Dual-shared channel (with MCH-10CSC cardioplegia shared channel installed)
Maximum Flow Rate	20 / 14 lpm (5.3 / 3.7 GPM)
Maximum Pressure	621 torr/12 psi (closed loop, blocked flow)
Water Connections	Quick-connect two-way driplless
Temperature Control	Range 0-42°C Accuracy ±0.3°C, Setting 0.1°C
Electrical	115VAC / 60Hz, 16A (Class 1 Equipment per UL 544) 230 VAC / 50Hz, 10.4A (Class 1 Type BF equipment per UL 2601-1)
Time to Heat (0°C to 42°C)	< 4 minutes (closed loop)

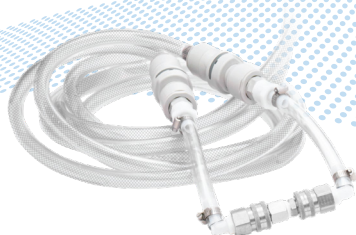
## Available Modules and Accessories

Customize the MCH-1000(i) to fit your specific needs



**Cardioplegia Shared Channel** **MCH-10CSC**

- Delivers cold water from cold water tank or temperature controlled water from main circuit
- Eliminates need for additional cardioplegia unit
- Dedicated CPG pump delivers 10 lpm flow rate (closed loop/open flow)



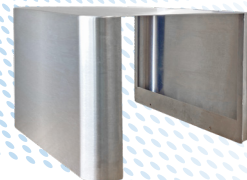
**Driplless Hose Kit** **MCH-10DAM**

- Features driplless connectors at both ends
- Eliminates oxygenator-side water leakage during connection and disconnection



**Refrigeration Module** **MCH-10RMS**

- Eliminates need for loose ice
- Chills tank of room-temperature water to 3°C in approx. 60 minutes
- Ice block formation in approximately 4 hours
- Quiet, efficient cooling with ultra low airflow
- Saves time, effort



**Airflow Redirection Hood** **MCH-10ARH**

- Possible risk mitigation component for **MCH-10RMS** Refrigeration Module that redirects potential aerosols downward and away from surgical field
- Medical Grade Stainless Steel
- Easy Installation

