

CARDIOQUIP MCH-1000(I)



ABOUT

The **CardioQuip MCH-1000(i)** is an advanced heater/cooler system designed for precise temperature control during cardiopulmonary bypass and thermal regulation procedures. Equipped with Adaptive Temperature Control technology, it provides consistent performance while reducing operator intervention. The system features a touchscreen interface for intuitive control and real-time monitoring of temperature, pump speed, and system status. Integrated alarms and failsafe mechanisms ensure patient safety and equipment reliability. With versatile configuration options, the MCH-1000(i) meets the demands of modern operating rooms, delivering efficiency and dependability.



FEATURES

Precise Temperature Control: Adaptive technology maintains temperatures from 0°C to 42°C with $\pm 0.5^\circ\text{C}$ accuracy.

Intuitive Touchscreen Interface: Simplifies operation with customizable presets, pump speed control, and system diagnostics.

Advanced Safety Mechanisms: Includes audio-visual alarms and redundant hardware for reliable performance.

Efficient Workflow: Self-priming, automatic defrost, and low-maintenance design optimize operation.

Versatile Design: Compatible with optional refrigeration and cardioplegia modules for tailored configurations.

GENERAL INFORMATION

Water Capacity: Min:3 gal (12 L); Max:9 gal (36 L)

Water Connections: Quick-connect, no-spill two-way shutoff fittings. Tank drain accepts standard garden hose (GHT) fitting.

Maximum Pressure: 12 psi (83 kPa) (closed loop, blocked flow)

Temperature Control: Range 0.0 - 42.0°C, Accuracy $\pm 0.5^\circ\text{C}$, Setting 0.1°C

Induced Airflow: <50 ft³/min

Power Consumption: Max Peak 1900 W, Typ < 1740 W

SPECIFICATIONS



DIMENSIONS

Height: 35 in (89 cm)

Width: 16 in (41 cm)

Depth: 26 in (66 cm)

Weight (empty/full): 85 lb (39 kg) / 155 lb (70 kg)

GENERAL

Water Capacity: Min:3 gal (12 L); Max:9 gal (36 L)

Water Connections: Quick-connect, no-spill two-way shutoff fittings. Tank drain accepts standard garden hose (GHT) fitting.

Maximum Pressure: 12 psi (83 kPa) (closed loop, blocked flow)

Temperature Control: Range 0.0 – 42.0°C, Accuracy $\pm 0.5^\circ\text{C}$, Setting 0.1°C

Induced Airflow: $< 50 \text{ ft}^3 / \text{min}$

Power Consumption: Max Peak 1900 W, Typ $< 1740 \text{ W}$

OPTIONAL MCH-10RMS REFRIGERATION MODULE

Dimensions: 20.5×10.5×26.5 in (52x27x68 cm)

Weight: 72 lb (33 kg)

Induced Airflow: $< 300 \text{ ft}^3 / \text{min}$

Power Consumption: Max Peak 690 W, Typ $< 600 \text{ W}$