



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

MediworldIndia

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CSZ Hemotherm 400MR Heater Cooler

Description

The **CSZ HEMOTHERM Model 400MR Cooler/Heater system** is used to lower/raise the blood temperature and/or maintain blood temperature, as required, through conductive heat transfer. The conductive heat transfer is accomplished through any type of Blood Oxygenator/Heat Exchanger unit, along with the use of a blanket under the patient for the re-warming phase, if desired.

- **Efficient Heating/Cooling:** Dual reservoirs double your efficiency. Independent cooling and heating reservoirs permit instant changeover from one bath to the other. Each reservoir has its own control mechanism and temperature display. The efficient pump produces a flow rate higher than any competitor's units. The Hemotherm® lowers reservoir water temperatures at a rate that rapidly produces a significant reduction in blood temperature.
- **Patient Safety:** Built-in secondary Hi and Lo safety thermostats and an external circuit breaker which can be reset to enhance the safe design of Hemotherm®.
- **Convenient:** Ice is not required with this system, eliminating the mess and providing the simple setup. For additional convenience, an optional remote control is available to change and monitor settings of the Hemotherm® from a remote location. Microprocessor control provides an easier, more accurate operation. A large LED readout allows monitoring at a glance. Eliminates the need for calibration.
- **Ease of Use:** Mechanical refrigeration means easy set-up, quick response, and minimum clean up. It eliminates the preconditioning process. Hemotherm® takes up just 3.4 sq. ft (0.3 sq. m) of floor space and moves easily on conductive swivel casters.
- **Dual Purpose:** The Hemotherm® may also be used with a hyper/hypothermia blanket to provide additional patient cooling/re-warming therapy



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Dimensions

- Height: 32 in (81.3 cm)
- Width: 22in (55.9 cm)
- Depth: 22 in (55.9 cm)
- Weight: 198lbs (89.8 kg)

Reservoir Capacity

- Cool: 8 qts. (7.6 liters)
- Heat: 6 its (5.7 liters)
- Reservoir Fluid: Use only sterile water or water that has been passed through a filter of less than or equal to 0.22 microns.
- Reservoir Opening: Easy-to-Fill
- Reservoir Construction: Plastic

Flow Rate

- 13 Liters/Minute through self-sealing Hansen Fittings
- 15 Liters/Minute with flow through Hansen Fittings

Connections

- 12.5 PSI – Blanket Connection Quick Disconnect Fittings
- 1 Set ½" Hansen Fittings for Heat Exchanger
- 1 Set 1/8" Hansen Fittings for Blanket
- 1 Set ¼" Hansen Fittings for draining (on unit)
- 1 Additional set ½" Hansen Fittings included for tubing



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Electrical Characteristics

- (std) 115V, 60Hz, 16.9 amps
- (opt) 100V, 50/60Hz, 20 amps
- (opt) 230V, 50/60HZ, 10.9 amps
- (opt) 240V, 50/60HZ, 10.5 ampS



Outlet Required

- 115VAC units – 20 amps, AC grounded hospital grade plug
- 100VAC units – 20 amps, AC grounded with no plug
- 230VAC units – 15 amps, AC grounded with European plug
- 240VAC units – 15 amps, AC grounded with European plug

Current Leakage

- under 300 micro amps (100/115)
- Under 500 microamps (230/240)

Cooling system

- Compressor: 1/2 HP Oversize
- Fluid Cooling Range: 32° to 3° c



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Heating System

Power Rating:

- **100/115 Vac Units**
 - 300 Watt – low heater
 - 1200 Watt – high heater
 - **230/240 VAC Units**
 - 800 Watt – low heater
 - 1200 Watt – high heater
- fluid Heating Range : 25°C to 42 °C



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