



The **CSZ Hemotherm 400CE** dual reservoir heater/cooler is used to lower, maintain, or raise the temperature of the water flowing through a blood oxygenator / heat exchanger that is used to cool or warm blood during cardiopulmonary bypass procedures lasting 6 hours or less. This Sub Zero Cooler may also be used with a hyper / hypothermia blanket under the patient to provide warming through conductive heat transfer.

Features

- Temperature controlled water in a full range of controllability between 37.4°F and 107.6°F.
- High water flow rates at low pressures.
- Able to maintain normal body temperature particularly during lengthy surgical procedures with a hyper-hypothermia blanket.
- Optional remote control model 414CE.



Specifications

Dimensions

Height: 32" (81 cm)
Width: 22" (56 cm)
Depth: 22" (56 cm)
Weight: 198 lbs (89.8 kg)

Reservoir Capacity

Cool: 8 qts (7.6 liters)
Heat: 6 qts (5.7 liters)
Reservoir Fluid: Distilled Water Only
Reservoir Opening: Easy-to-fill
Reservoir Construction: Plastic

Flow Rate

13 Liters/Minute (3.5 GPM) through self-sealing quick connect fittings
15 Liters/Minute (4 GPM) with flow through quick connect fittings

Maximum Pressure

12.5 PSI - Heat Exchanger and Blanket

Connections

1 Set 1/2" quick connect fittings for Heat Exchanger
1 Set 1/8" quick connect fittings for Blanket
1 Set 1/4" quick connect fittings for draining (on unit)
1 Additional set 1/2" quick connect fittings included for tubing

Safety

Secondary Hi Limit Thermostat: 114.8°F ± 32.9°F (46°C ± 0.5°C)
Primary Hi Limit Thermostat: 111.2°F ± 32.9°F (44°C ± 0.5°C)
Low Limit Thermostats: 35.6°F ± 32.9°F (2°C ± 0.5°C)

Electrical Characteristics

115VAC, 50/60HZ, 16 Amps
230VAC, 50/60HZ, 9 Amps

Outlets Required

115VAC - 20 Amps, AC grounded hospital grade plug
230VAC - 15 Amps, AC grounded with European plug

Circuit Breaker Rating

In power switch
115VAC, 20 Amps
230VAC, 15 Amps
Mains Supply Isolation
Two-Pole Mains Power Switch

