

Sarns™ TCM II

A space-saving, multi-function patient cooling/heating system.

SPECIFICATIONS

Electrical	4415 [‡]	4416
Voltage	108/122V (115V nominal)	210/250V (220/240V nominal)
Frequency	60 Hz	50 Hz
Amperage	16 amps	12 amps
Current leakage	100 microamps maximum for 115V	500 microamps maximum for 220V
Ground resistance	Max. 0.1 Ohm	Min. 0.1 Ohm

Dimensions	Main Unit
Height	34.4" (87.4 cm)
Width	20.0" (50.8 cm)
Depth	31.5" (80.0 cm)
Weight	282 lbs (127.9 kg) with tanks empty 356 lbs (161.5 kg) with tanks full

	Large Tank	Small Tank
Length	18.5" (47.0 cm)	9.5" (24.1 cm)
Width	8.7" (22.1 cm)	5.5" (14.0 cm)
Depth	21.5" (54.6 cm)	9.3" (23.6 cm)
Capacity: Water	9.0 gal (34 L)	1.2 gal (4.5 L)
Capacity: Crushed ice	40.0 lbs (18.1 kg)	7.5 lbs (3.4 kg)

	Temperature Display Unit	Temperature Probe Modules
Length	8.75" (22.2 cm)	9.0" (22.9 cm)
Width	5.5" (14.0 cm)	5.75" (14.6 cm)
Depth	2.5" (6.4 cm)	2.5" (6.4 cm)

Water Outlet Temperature

Arterial heat exchange and blanket	0 – 42°C
Cardioplegia	Ice water only
Heaters	1 each – 700 watt, 850 watt, 115V units 2 each – 1000 watt, 220V units

Maximum Flow Performance (1/8 hp pump)

Arterial heat exchanger* outlet port	5.5 gal/min (21.0 L/min) at zero head 13.5 psi (698 mmHg) maximum pressure
Blanket supply* outlet port	0.8 gal/min (3.0 L/min) at zero head 11.8 psi (610 mmHg) maximum pressure
Cardioplegia water supply port	2.1 gal/min (7.9 L/min) 7.5 psi (388 mmHg) maximum pressure

* Note: performance will be different with both a heat exchanger and a blanket being supplied at the same time.

[‡] not available for sale in the European Economic Area (EEA)

continued, next page



Sarns™ TCM II

FEATURES

- Independent ice maker
- Precise temperature control
- Oxygenator and cardioplegia water supply
- Optional remote control and display module



Remote control and display module

Sarns™ TCM II, continued

SPECIFICATIONS

Ice Supply

If the large tank is filled to the maximum level with 25°C water, the ice maker can provide a maximum of 50.0 lbs (22.7 kg) in 8 hours.

If the large tank is filled to the maximum level with 3°C water, the ice maker can provide a maximum of 33.5 lbs (15.1 kg) in 3 hours.

Temperature Probe Module Operating Range 0 – 50°C

Remote Temperature Sensing and Display Accuracy ±0.3°C

Venous Differential Mode

6°C gradient = rewarm water temperature is held to a maximum of 6°C more than the incoming venous blood temperature.

10°C gradient = rewarm water temperature is held to a maximum of 10°C more than the incoming venous blood temperature.

ORDERING INFORMATION

Sarns™ TCM II

DESCRIPTION	CATALOG NO.	UNITS/CASE
115V, with cardioplegia supply	4415 [‡]	1
220/240V, with cardioplegia supply	4416	1
Remote control module with temperature displays	15746	1
Additional temperature probe module	15745	1

[‡] not available for sale in the European Economic Area (EEA)