



Sarns™ TCM II

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

SPECIFICATIONS

Electrical

Voltage/amperage	210/250 V (220/240 V nominal), 12 A
Frequency	50 Hz
Current leakage	500 µA maximum for 220 V
Ground resistance	Max. 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

	Small tank	Large tank
Height	9.5" (24.1 cm)	18.5" (47.0 cm)
Width	5.5" (14.0 cm)	7.8" (22.1 cm)
Depth	9.3" (23.6 cm)	21.5" (54.6 cm)
Capacity: water	1.2 gal (4.5 L)	9 gal (34.0 L)
Capacity: crushed ice	7.5 lbs (3.4 kg)	40 lbs (18.1 kg)

	Temperature probe modules	Temperature display unit
Height	9.0" (22.9 cm)	8.75" (22.2 cm)
Width	5.75" (14.6 cm)	5.5" (14.0 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

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

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 or 19 lbs (8.6 kg) in 3 hours.
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Temperature probe module operating range	0 – 50°C
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Remote temperature sensing and display accuracy	± 0.3°C
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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.
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*Note: performance will be different if water is being delivered to a heat exchanger and a blanket at the same time



Sarns™ TCM II



Remote control and display module

▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
220/240 V, with cardioplegia supply	4416	1
Remote control module with temperature displays	15746	1
Additional temperature probe module	15745	1
Water fittings		
Water fitting, quick-connect for use with oxygenation systems, straight (2 required)	131086	1
Water fitting, quick-connect for use with oxygenation systems, right angle (2 required)	131078	1
Water fitting, quick-connect for use with myocardial protection systems	9439	2

✓ Features

Sarns™ TCM II

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

PlastiPad® Re-usable, Hyper-Hypothermia Blankets

Durable and easy to clean with uniform temperature distribution

▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
Infant size blanket, 12" x 18" (30.5 cm x 45.7 cm)	82193	1
Pediatric size blanket, 22" x 30" (55.9 cm x 76.2 cm)	82194	1
Narrow adult/OR table size blanket, 22" x 60" (50.8 cm x 152.4 cm) (Requires 91824 connecting hose)	50103	1
Adult/OR table size blanket, 24" x 60" (61 cm x 152.4 cm)	82196	1
Blanket extension hose with couplings, 9' (2.7 m)	89186	1
Reusable connecting hose, 9' (2.7 m)	91824	1

✓ Features

PlastiPad® Re-usable, Hyper-Hypothermia Blankets

- Durable urethane resists punctures
- Non porous surface is easy to clean
- Uniform temperature distribution
- Optional Disposa-Covers