

Thermogard XP Temperature Management System Specifications

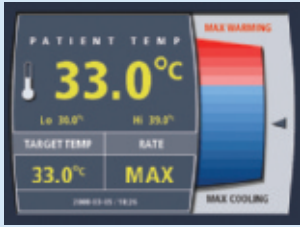
ZOLL's Thermogard XP® Temperature Management System precisely and rapidly controls the core temperature of patients for both cooling and warming applications. It can handle the most challenging temperature situations and provides the fastest, most precise intravascular cooling possible.

ZOLL's patented heat exchange technology circulates saline within a closed-loop multiballoon catheter, cooling and warming the patient from the core as blood passes over each balloon. Since the saline flows only within the the catheter, no fluid is infused into the patient.

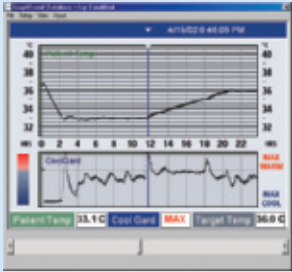
Experience the benefits of the Thermogard XP

- Rapid and precise core body temperature management
- System automatically maintains target temperature
- Software enables real-time temperature display, storage, and download
- Easy-to-use, multifunction catheters
- "Hands-free" operation reduces nursing time
- Improved access to patient





View current patient and system data on the display or synchronize with your hospital monitor.



Track patient and system data and electronically transfer to the patient's file.



Start-up Kit

Tubing set, including heat exchange coil, air trap, and roller pump tubing: Model CG-500D

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Dimensions

Height: 45 in (114 cm)
Width: 17 in (43 cm)
Depth: 30 in (76 cm)
Weight: 115 lbs (52 kg)

Electrical

Configuration:
100-120 VAC, 50/60 Hz, 5A
220-240 VAC, 50/60 Hz, 2.25A
Voltage: 115 V, 230 V
Fuse Protection:
T6.3A (slow blow) 5 x 20 mm

Environmental

Operating Temperatures:
10°C – 27°C (50°F – 81°F)
Operating Humidity:
30 to 75% noncondensing
Atmospheric Pressure:
70 kPa to 106 kPa

Chiller and Heater

Reservoir Volume:
2.0 liters (0.5 gal)
Pump Capacity:
7 lpm at 0 m head (0 ft)
Temperature Range:
0°C – 42°C
Refrigerant: HFC 134a

Controller and Display

Screen Display:
6.4 in. (16.25 cm) LCD
color VGA
Controls:
Push buttons and knob
Temperature Input:
Thermistor, YSI-400 series
Articulation:
180° swivel, 45° tilt
Data Interface:
Serial RS-232C, 9-pin
sub-D connector
Alarms:
Audible tones and displayed
text messages
Displayed Temperature Range:
26°C – 42°C
Displayed Temperature
Accuracy: ± 0.2°C

Saline Coolant Circuit

Priming Volume: 200 ml
Heat Exchanger:
Disposable stainless steel coil
Priming Source:
Sterile saline solution
(hospital provided)
Patient Connection:
Directional Luer connections
on 72-in. (183-cm) lines
Pump tubing: Roller pump compatible
with directional fittings
Sterility: Gamma sterilized
Saline arm: Reservoir-level detection
and alarm system
Coolant Circuit Operating Life:
Replace disposable components
after seven (7) days of continuous use

Equipment Classifications

Type of Protection Against
Moisture: Ordinary
Type of Protection Against
Electric Shock:
Type BF for temperature inputs
Type B for catheter connections
Protection Class: 1
Mode of Operation: Continuous

Approved Patient Temperature Probes

Temperature Probe Standard: YSI- 400
YSI-400 temperature probes
verified to work with the system:
Mallinckrodt Medical Foley Probe 8F
(200818-001)
Mallinckrodt Medical Foley Probe 10F
(200818-002)
Mallinckrodt Medical Foley Probe 12F
(200818-003)
Mallinckrodt Medical Foley Probe 14F
(200818-004)
Mallinckrodt Medical Foley Probe 16F
(200818-005)
Mallinckrodt Medical Foley Probe 18F
(200818-006)
Mallinckrodt Medical GP/Rectal Probe
9F (200820-001)
Smith Medical Foley Probe 10 FR
(600244-001)
Smith Medical Foley Probe 12 FR
(600224-002)
Smith Medical Foley Probe 14 FR
(600224-003)

Smith Medical Foley Probe 16 FR
(600224-004)
Smith Medical Foley Probe 18 FR
(600224-005)
Smith Medical GP/Rectal Probe 9 FR
(600225-001)
Smith Medical GP/Rectal Probe 12 FR
(600225-002)
YSI-400 Temperature probes verified
to work with the system and Rüsch
Patient Interconnection Cable
– Rüsch P/N 179516
Rüsch Sensor Temperature Foley
Catheters (CH 8, 10, 12, 14, 16, 18)
– Rüsch P/N 179360
Rüsch Temperature Supracath (CH 10,
12, 14) – Rüsch P/N 179370



Specifications subject to change without notice.

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Printed in U.S.A. 9656-0237 104217-001 Rev 1

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