

3M BAIR HUGGER RANGER MODEL 247



ABOUT

The **3M Bair Hugger Ranger Model 247** irrigation fluid warmer is designed to warm irrigation fluids quickly and maintain consistent delivery temperatures during surgical procedures. Built for operating room use, the system heats fluids in real time as they flow to the patient, eliminating the temperature drop that can occur with cabinet-warmed solutions. The unit reaches its set temperature in under two minutes and maintains controlled output temperatures within a clinically appropriate range.

FEATURES

- **Rapid Warm-Up Time:** Reaches the 41°C set point in less than two minutes.
- **Controlled Output Temperature:** Maintains fluid temperatures between 33°C and 41°C at flow rates from 0 to 867 mL/min.
- **Built-In Safety Alarms:** Over-temperature protection activates at 48°C (primary) and 50°C (secondary).
- **Dry Heat Technology:** Uses dry heat warming rather than a water bath system, reducing maintenance and simplifying cleaning.
- **Single-Use Sterile Disposable Sets:** Designed specifically for the Model 247 system; sterile, latex-free.

DIMENSIONS

Height: 4.5 in (11 cm)

Width: 7.5 in (19 cm)

Depth: 10 in (25 cm)

Weight: 7.4 lb (3.4 kg)



TEMPERATURE

Set Point Temperature: 41° ± 1° C

Over Temperature Alert: 48° +3/-2° C

Under Temperature Alert: 33° ± 2° C

Over Temperature Cutoff: 50° ± 2° C

RANGER DISPOSABLE SET

Irrigation Fluid Warming Disposable Set

- Model: 24750 Irrigation Set
- Flow Rate: 0-867 mL/min²
- Priming Volume: 308 mL
- Patient Line Length: 213 cm