

# 3M BAIR HUGGER RANGER MODEL 245



## ABOUT

The **3M Bair Hugger Ranger Model 245** blood and fluid warming system is designed to warm blood, blood products, and liquids and deliver these at a flow rate from KVO to 500mL/min. At these flow rates, the device maintains fluid output temperatures ranging from 33°C to 41°C. The 3M Bair Hugger Ranger is designed to be mounted on an I.V. pole and has a handle on top for easy transport. It's lightweight, compact, and liquid-resistant.

## FEATURES

- Display that indicates heater temperature.
- Alert indicator light for over and under-temperature alerts.
- Convenient top carrying handle.
- Compact and lightweight.

## 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:** 43° +3/-2° C

**Under Temperature Alert:** 33° ± 2° C

**Over Temperature Cutoff:** 44° ± 2° C (warming units Rev N and newer) 46° ± 2° C (warming units Rev A to M)



## RANGER BLOOD/FLUID WARMING SETS

### Standard Flow Set

- Flow Rate: 150 mL/min
- Priming Volume: 39-44 mL
- Patient Line Length: 76 cm 152 cm (76 cm patient line plus 76 cm extension)

### High Flow Set

- Flow Rate: 100-500 mL/min
- Priming Volume: 65-150 mL
- Patient Line Length: 152 cm (76 cm patient line plus 76 cm extension)

### Pediatric/Neonate

- Flow Rate: 100 mL/min
- Priming Volume: 20 mL
- Patient Line Length: 46 cm