



Ranger® Blood and Fluid Warming Systems

Indications for Use & Warnings

Ranger Blood/Fluid Warming System

Indications for use

The Ranger warming system is tended to warm blood, blood products, and liquids.

Warnings and precautions

DANGER

Explosion hazard. Do not use in the presence of flammable anesthetics.

WARNING

- Do not administer fluids if air is in the tubing, as air embolism may result.
- Do not mount the Ranger blood/fluid warming system higher than patient level, as air embolism may result.
- Electrical shock hazard. Do not open the warming unit case.
- Do not substitute other devices for the Ranger warming unit or Ranger disposable sets.
- Thermal or electrical injury or device damage may occur.
- Never infuse fluids if air bubbles are present in the fluid line, as air embolism may result.
- Do not continue use of the unit if the over-temperature alarm continues to sound and the temperature does not return to the set point temperature. Immediately stop fluid flow and discard the disposable set. Have the warming unit tested by a biomedical technician or call Arizant Healthcare Customer Service.

CAUTION

- Do not exceed 300 mmHg pressure.
- Do not immerse the blood/fluid warming unit. Wipe with a clean, slightly damp cloth.



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Ranger Irrigation Fluid Warming System

Indications for use

The Ranger Irrigation Fluid Warming System is intended to warm irrigation fluids.

Warnings and precautions

DANGER

Explosion hazard. Do not use in the presence of flammable anesthetics.

WARNING

- Not for I.V. use.
- Do not exceed 300 mmHg when using this irrigation set. Follow institutional protocol regarding the use of pressure with irrigation procedures.
- Do not use if the end caps or tubing connectors are not in place. Fluid pathway will not be sterile and/or fluids will leak. Use a new irrigation set.
- Avoid bending and twisting the tubing. A bend or twist in the tubing may stop fluid flow.
- Electrical shock hazard. Do not open the warming unit case.
- Do not substitute other devices for the Ranger warming unit or Ranger disposable sets.
- Thermal or electrical injury or device damage may occur.
- Never infuse fluids if air bubbles are present in the fluid line, as air embolism may result.
- Do not continue use of the unit if the over-temperature alarm continues to sound and the temperature does not return to the set point temperature. Immediately stop fluid flow and discard the disposable set. Have the warming unit tested by a biomedical technician or call Arizant Healthcare Customer Service.

CAUTION

- Do not immerse the blood/fluid warming unit. Wipe with a clean, slightly damp cloth.