ACCURACY IMPROVES OUTCOMES

CoreTemp™
Fluid Management System
Fluid Should Be Warm

As an active warming intervention to maintain patient normothermia, fluid should be warm and maintained at a known, safe temperature.

Fluid Volume Should Be Tracked

Tracking irrigation fluid volumes and accurately monitoring blood loss during invasive surgeries is essential for surgical teams to know how and when to intervene to keep patients safe and stable and avoid complications.

Managing Fluid Should Be Simple

To elevate and maintain a high standard of care for all patients undergoing invasive surgery, it must be easy for every nurse to consistently and accurately manage irrigation fluids.
ADVANCING PRECISION

The Ecolab® CoreTemp™ Fluid Management System advances technology and innovation to help nurses with fluid management. The CoreTemp system quickly warms irrigation fluid to a known and controlled temperature and is the first and only open-basin system to include technology to automatically and accurately track fluid volume during surgery.

Track Fluid Volumes Automatically
Digital display shows irrigation fluid volume used in real-time

Help Maintain Patient Temperature
The CoreTemp System is an essential component of a hospital’s patient temperature management program

Accelerate Surgical Readiness
Ultra-fast heating of the fluid helps surgical teams set up quickly, especially for unplanned surgeries

Reduce OR Traffic
Eliminates the distraction and traffic of OR nurses retrieving warm saline bottles during surgery

Replace Guesswork with Solid Data
Eliminate subjective and inconsistent ‘best guesses’ on fluid volumes and temperature

Easily Follow Evidence-Based Standards
Simple and easy for nurses to follow best practice guidelines related to irrigation fluids

Help Mitigate Fluid Related Risks
Help safeguard against fluid-related surgical risks and associated patient complications

Increase Sterile Confidence
Easy height adjustment, robust drape material, and intelligent controls help prevent contamination in the sterile surgical field
Use an automated fluid-management system to increase the accuracy of deficit measurement intraoperatively and to reduce human error. Automated systems use the weight of the fluid to determine amounts used and collected, then calculate the deficit. Measure the temperature of warmed irrigation solutions with a thermometer at the point of use. Irrigation with over-heated solutions has resulted in major patient injuries. Lower temperature solutions can cause inadvertent hypothermia. Follow stringent standards around the reduction of OR traffic. As much as one-third of OR door openings during surgical procedures are for unessential reasons which may include retrieving warm saline bottles.

TO COMBAT INACCURACIES, AORN RECOMMENDS:

**Automated Fluid Volume Tracking**
The basin acts as a weight scale and is smart enough to monitor and display fluid volumes in real-time.

**Push-Button Height Adjustment**
The system quickly adjusts from 36" to 48" to easily align with back table heights or nurse preferences.

**Built-in Patient and User Safety**
The smart system will not heat until the unit is draped and has fluid in the basin, while controlling a known temperature.

**Easy-Scoop Basin**
A rounded basin shape makes it easy to scoop irrigation fluid with a container or pitcher.
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**TO COMBAT INACCURACIES, AORN RECOMMENDS:**

**Smart and Intuitive Controls**
An interactive control panel guides the user with step-by-step simplicity and displays fluid volume and temperature.

**Fast Fluid Warming**
Warms 1 liter of fluid from room temperature to body temperature in less than 10 minutes and features push-button control of the desired fluid temperature up to 120°F.

**Simple Drop-and-Go Drape**
Drape is form-fitted to match the basin shape to simplify and speed the draping process.
HELPING HOSPITALS IN THE PURSUIT OF IMPROVING PATIENT OUTCOMES

CoreTemp enables data-driven clinical decisions with accurate fluid volume tracking, quick set up and precise temperature control. The system empowers surgical teams to easily follow evidence-based clinical practice guidelines and improve patient care and outcomes.

Elevate and implement consistently high standards of patient safety and clinical care

• Pioneers a new way of care in fluid volume tracking
• Supports AORN best practice guidelines
• Reduces OR traffic and disruption and allows nurses to focus on surgery
• Helps reduce fluid related surgical risks

The CoreTemp System is designed to advance the vision set forth by the Association of periOperative Registered Nurses (AORN).

Best Practice Guidelines

“Irrigation solutions warmed to 33°C to 40°C (91.4°F to 104°F) may be used. The majority of the collective evidence indicates that the use of warmed irrigation solutions is effective in reducing the incidence or degree of hypothermia.”

“Before instillation, the temperature of warmed irrigation solution should be measured with a US Food and Drug Administration-cleared device at the point of use.”

“An important intraoperative nursing intervention is to monitor the amount of irrigation recovered and subtract that from the amount of irrigation used.”

“An automated fluid-monitoring system increases the accuracy of fluid deficit measurement intraoperatively and is not subject to human error.”

2018 Perioperative Fluid Management, AORN J, 2009

2018 AORN Guidelines, Patient Care: Hypothermia
CORETEMP OFFERING

PRODUCT CODE | DESCRIPTION | DESCRIPTION
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CTW5L | CoreTemp Fluid Management Unit | CoreTemp Fluid Management Unit 5 Liter Basin Capacity
CTD100 | CoreTemp Fluid Warming Drape, 56" x 56", Sterile | 24 per case
CTD200 | CoreTemp Fluid Warming Drape, 56" x 62", Sterile | 24 per case

CORETEMP EQUIPMENT SERVICE CONTRACT

CoreTemp equipment purchases include a 1 year warranty on parts and repairs for quality defects.

A CoreTemp Equipment Service Contract is available for purchase and includes an extended 5 year warranty on CoreTemp™ equipment and other services. Repairs performed outside of the contract coverage period will be billed separately.

- Product and clinical education and consultation
- Firmware updates during contract period
- Periodic equipment check and maintenance
- Repair or replace damaged components
- Field Service Technician to perform on-site repairs
- Equipment loaner during repair time

EQUIPMENT SPECIFICATION

<table>
<thead>
<tr>
<th>Power: 120 VAC or 230V AC</th>
<th>Temperature Scale: User selectable °C/°F</th>
<th>Height Adjustment: 36 to 48 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Cord Length: 25 ft</td>
<td>Temperature Range: 20° to 49° ± 1°C (68° to 120° ± 2°F)</td>
<td></td>
</tr>
<tr>
<td>Fluid Volume: 100mL Increments</td>
<td>Equipment Mass, Unloaded: 20 kg (44lbs.)</td>
<td>Min/Max Fluid Volume: 0.5 L / 5.0 L</td>
</tr>
</tbody>
</table>

REFERENCES


(2) Young E et al. Perioperative Fluid Management. AORN J 89 (Jan 2009) 167-178
About Ecolab Healthcare

Ecolab Healthcare helps health systems and hospitals improve important key economic metrics with analytics, insights, digital tools and advanced chemistry innovations. Our solutions help providers reduce length of stay, mitigate infections, drive productivity, speed room turnover, optimize value-based reimbursement and more. Our portfolio includes infection prevention products, water treatment technologies and onsite services that are designed to improve clinical outcomes while positively impacting revenue generation and reducing operating costs.

Looking to improve outcomes with accurate fluid management? Contact us today.

Visit www.ecolab.com/healthcare