

ThermoWrap™ is an integral part of the Allon system.

The 3 layer design guarantees maximum coverage of patient's surface without interfering with surgical area. Water Channels in the Wrap grant a constant flow of water to facilitate energy transfer to the patient.

- One-Piece** Body shaped garment that facilitates wrapping of your patient
- Adjusts easily without impairing its use
- 85% body area coverage** Optimal conductive energy transfer
- Maximum heat transfer** High velocity flow rate for maximum heat transfer
- Precision** ThermoRegulates in concert with Allon
- Soft mesh garment** Biocompatible, non irritable, latex Free, Easy to wrap and secure
- Variable** Permits exposure of multiple surgical area alternatives
- Anywhere, Anytime** Safe in X-ray, Cath Lab, CT scan, MRI and during defibrillation
- Risk Free** Disposable to avoid risk of infections
- Clutter free** Only one pair of tubes connects Allon to ThermoWrap

We fit all >>>

Type	Part number	Package	Patient size /weight	Wrap length / width (m)
Universal TW	512-03153	12/Box	135-152cm	1.744 / 1.212
	512-03160	12/Box	152-168cm	1.934 / 1.295
	512-03166	12/Box	168-180cm	1.904 / 1.321
Cardiac TW	512-03363	12/Box	165—172cm	1.348 / 1.319
Pediatric TW	512-03131	12/Box	79-91cm	1.118 / 0.739
	512-03136	12/Box	91-104cm	1.225 / 0.841
	512-03141	12/Box	104-122cm	1.398 / 1.068
	512-03148	12/Box	122-135cm	1.582 / 1.193
Infant TW	524-03118	24/Box	2.5-4.0 Kg	0.660 / 0.465
	524-03121	24/Box	4.0 -7.0 Kg	0.698 / 0.604
	524-03125	24/Box	7.0-11 Kg	0.983 / 0.629

Universal ThermoWrap



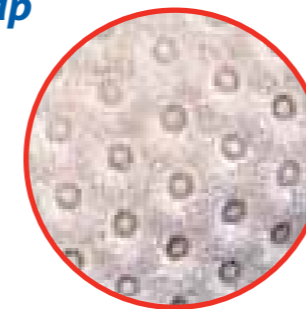
Cardiac ThermoWrap



Pediatric ThermoWrap



Infant ThermoWrap



Three Suitable Layers Designed  
Especially for ALLON System

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## Normothermia Management Solutions



## Warming Improves Outcome and Reduces Complications

Maintaining patient normothermia pre-, peri- and post-operatively is a critical element of preventing complications, e.g: impaired drug metabolism, prolonged recovery from anesthesia, cardiac morbidity and abnormality, surgical bleeding, wound infections, and postoperative shivering and pain<sup>1,2</sup>.

The American Society of Anesthesiologists (ASA) considers perioperative thermal management to maintain normothermia is imperative to a positive surgical outcomes<sup>2</sup>.

Therefore, "maintaining normothermia is now the standard-of-care during prolonged general anesthesia, especially for large operations where the risk of hypothermia is substantial"<sup>1</sup>

The **Allon 2001** is a non invasive system that controls patients' temperature throughout all stages of surgery. The system consists of an algorithm driven heat pump that supplies warm or cold water to the ThermoWrap™ garment. Core and surface temperature sensors provide continuous feedback temperature from the patient that enables automatic temperature regulation and monitoring.

## Optimal Solution For Normothermia Maintenance During The Entire Surgical Procedure

**Preoperatively** For early initiation of warming during preoperative preparations.

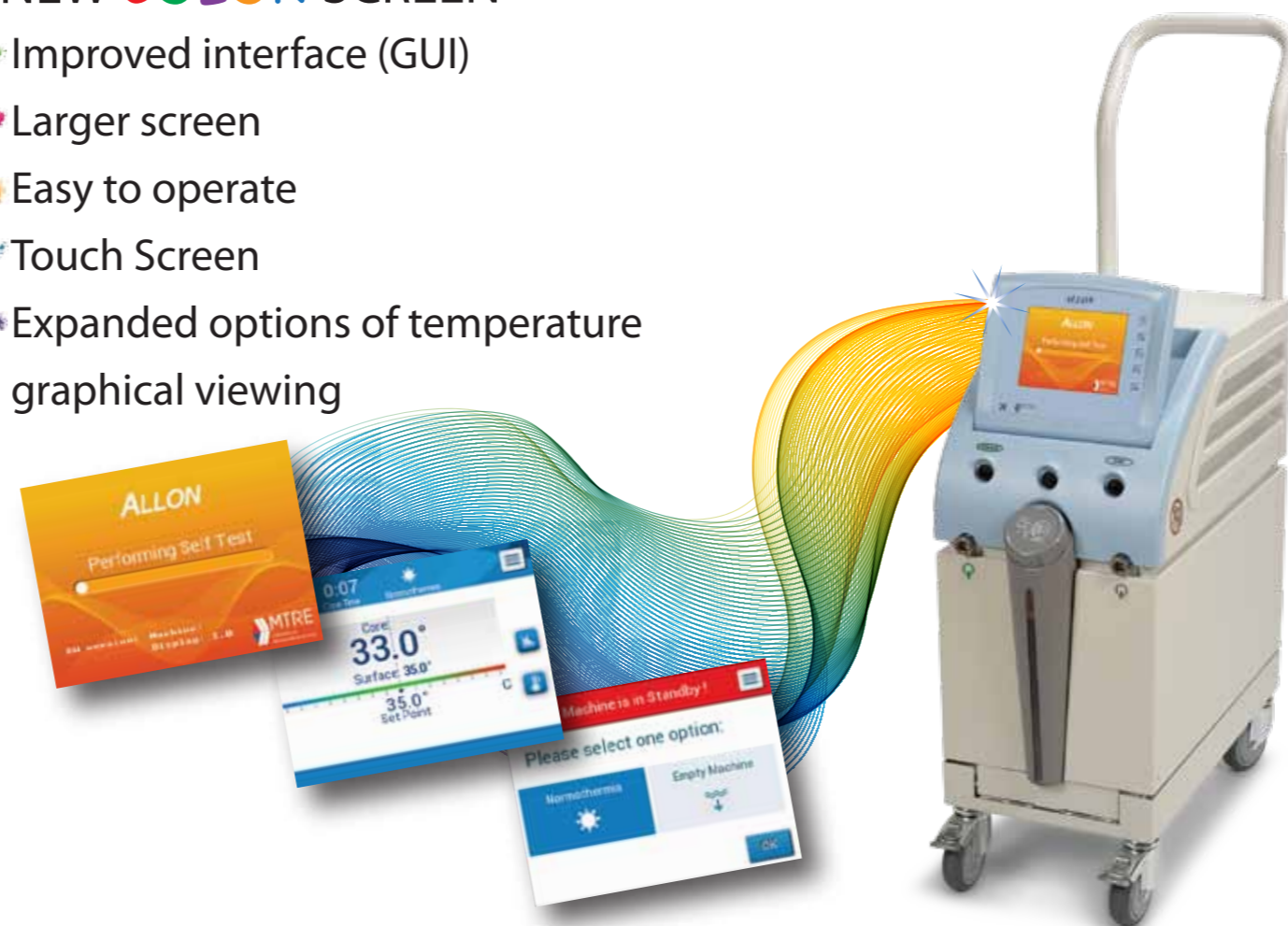
**Intra-Operatively** Eliminates rapid decrease in core temperature.

**Post Operatively** To maintain patients temperature at recovery room.

## The anesthesiologist chooses the exact desired Target temperature and the Allon does the rest

### NEW COLOR SCREEN

- Improved interface (GUI)
- Larger screen
- Easy to operate
- Touch Screen
- Expanded options of temperature graphical viewing

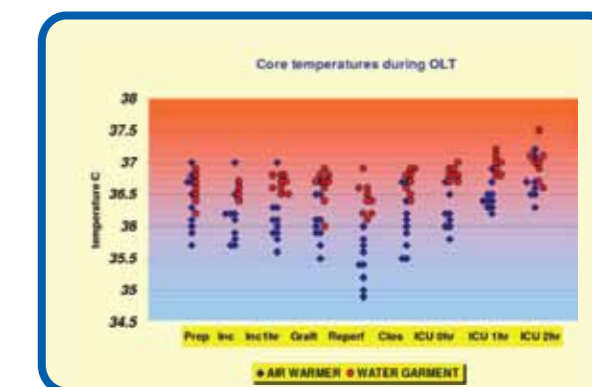


CE0473 FDA Cleared

## Clinically Proven As Effective For Maintaining Normothermia In Surgical Patients

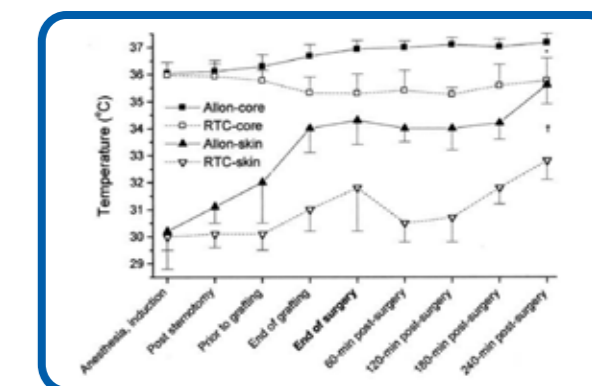
### General Surgery

"The investigated water warming system results in better maintenance of intraoperative normothermia than routine air forced warming applied to upper- and lower body"<sup>3</sup>



### Pediatric surgery

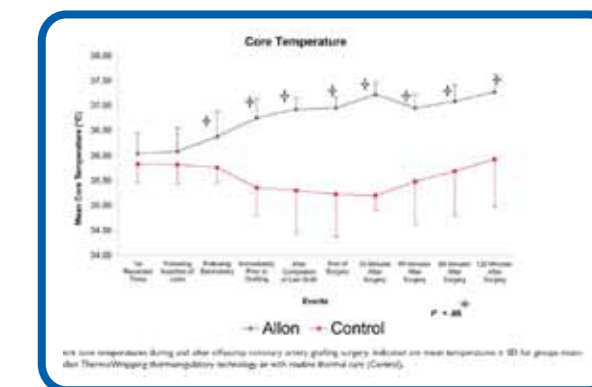
"Perioperative thermoregulation using the Allon system is safe and effective in maintaining body temperature within a narrow range in children undergoing brief surgical procedures"<sup>4</sup>



### Cardiac surgery

"The Allon thermoregulation system maintains core normothermia in **more than 80%** of patients undergoing off-pump coronary artery bypass surgery. Normothermia is associated with better cardiac and vascular conditions, a lower cardiac injury rate, and a lower inflammatory response"<sup>5</sup>.

"Maintenance of perioperative normothermia... during OPCAB procedures can be efficiently achieved with the Allon thermoregulation system. The system was found to be **superior** to other routinely used methods of temperature maintenance"<sup>6</sup>



## Maintenance of Normothermia is Essential During All Phases of the Surgical Procedure



1. Temperature Monitoring and Perioperative Thermoregulation Anesthesiology, 2008 August ; 109(2)  
2. AST Standards of Practice for Maintenance of Normothermia in the Perioperative Patient April 10, 2015

3. Water warming garment versus forced air warming system in prevention of intraoperative hypothermia during liver transplantation: a randomized controlled trial BMC Anesthesiology 2002, 2:7  
4. A novel thermoregulatory system maintains perioperative normothermia in children undergoing elective surgery. Paediatr Anaesth. 2001;11(5):555-60.  
5. Thermo-wrap technology preserves normothermia better than routine thermal care in patients undergoing off-pump coronary artery bypass and is associated with lower immune response and lesser myocardial damage. J Thorac Cardiovasc Surg. 2005 Jun;129(6):1371-8.  
6. A new thermoregulation system for maintaining perioperative normothermia and attenuating myocardial injury in off-pump coronary artery bypass surgery Heart Surg Forum. 2002;5(4):373-80.