

PolarSkin™ Cooling Systems

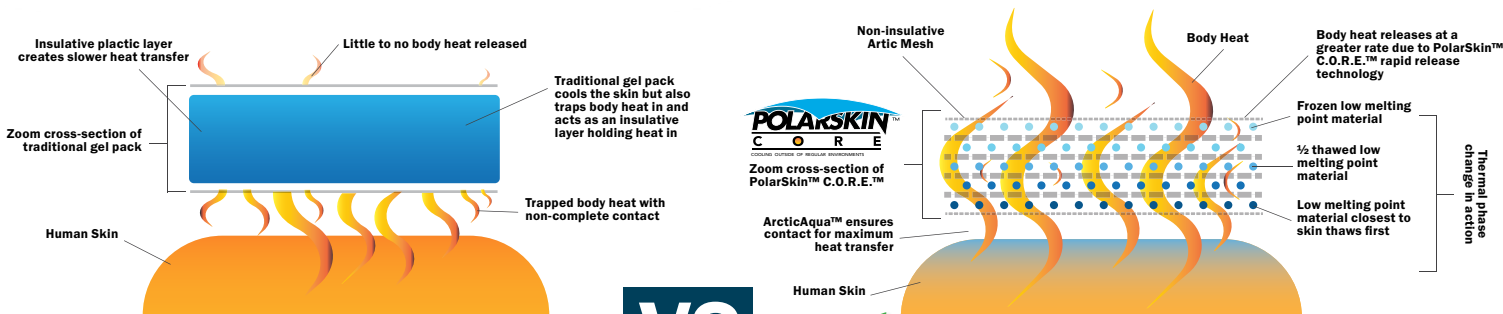
INTRODUCING THE LATEST IN COOLING TECHNOLOGY FOR EFFECTIVE HUMAN THERMO-REGULATION

THE LATEST COOLING TECHNOLOGY TO **BEAT** the HEAT

- Facilitates conductive, convective, and evaporative cooling
- Unique fiber construction allows for liquid absorptive capacity 350% greater than basis weight
- Protracted direct cooling of high blood flow regions
- Adheres to current National Athletic Trainers' Association and U. S. Ar t
- Soaked in ArcticAqua™ for faster and longer cooling without drying out



PolarSkin Core includes a gel pack within the Arctic Mesh fabric that has been soaked in ArcticAqua to assist with cooling.



Traditional Gel Packs

- Plastic bag filled and sealed with a polymer gel
- Barrier bags are impermeable to vapor and liquid penetration
- Plastic barrier is non-conductive
- Utilizes conduction for thermal Exchange
- Localized heat exchange
- No materials phase change



PolarSkin™ C.O.R.E.™

- Vapor and liquid permeable substrate
- Cooling fluids are impregnated within the substrate
- Non-woven conductive barrier layer
- Promotes evaporation, convection, and conduction cooling methods for maximum thermal exchange
- Distributed heat exchange
- Staged phase change materials act as a thermal super capacitor



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Polar Skin Cooling Collar

BEAT the Heat with PolarSkin

Constructed of PolarSkin Mini-Mesh™ saturated in ArcticAqua Sport™ and two specially-sized gel packs encased in integrated pouches, the PolarSkin Cooling Collar™ is deliberately designed to align with the carotid artery and provides cold directly to the lateral and anterior portions of the neck. Place the PolarSkin™ Cooling Collar in a cooler with ice. Open it and saturate it with ice water when you need it.

Features of PolarSkin Technology

PolarSkin Mini-Mesh™

(n.) A unique smart textile treated with a hydrofunctional polymer. Fiber construction allows for liquid absorptive capacity 350% greater than basis weight.

ArcticAqua™

(n.) A proprietary solution that prevents rigidity well below 0°C (32°F) while providing the requisite moisture to support evaporative, convective, and conductive cooling.

DIMENSIONS

Clear Wall Case:

- Packaged: W 8.5 in. x L 5.25 in. x D 2 in.
- Weight: 2.7 lb

FEATURES/SPECIFICATIONS

- Excellent modality for heat illness prevention and rapid performance enhancement
- Protracted direct cooling of high blood flow regions
- Adheres to current National Athletic Trainers' Association and U.S. Army protocols for heat illness treatment
- Allows for full access to the body while cooling
- Facilitates conductive, convective, and evaporative cooling

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POLARSKIN COOLING COLLAR

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