

# POLAR SKIN™ Cooling Systems

REV070319

**Adheres to current U.S. Army and National Athletic Trainers' Association protocols for heat illness treatment**

- **Polar Skin Mini-Mesh,™** a unique smart textile with a hydrofunctional polymer that allows for liquid absorptive capacity 350% greater than basis weight.
- **ArcticAqua,™** a proprietary solution that prevents rigidity at temperatures well below 0°F while providing the requisite moisture to **support evaporative, convective and conductive cooling** without drying out.
- **Protracted direct cooling** of **high blood flow regions**.



***Introducing the latest in Cooling Technology  
for effective Human Thermo-Regulation***



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## Polar Skin Ice Sheets™

The principle cooling component of Polar Skin™ cooling systems

- Polar Skin Mini-Mesh™ saturated in ArcticAqua™ promoting evaporative cooling to elevated body temperatures.
- Excellent thermal transmittance & moisture vapor transmission rate.
- Allows for full access to the body while cooling.
- Packaged in a rugged, durable foil pouch that prevents air or moisture transfer.

### Polar Skin Ice Sheets™ (36 in x 30 in.)

Unit	Item#	NSN#
Single	ZZ-0668	6532-01-653-6054
Double	ZZ-0669	
Triple	ZZ-0755	

**Device Dimensions:**  
W 36 in. x H 30 in.

**Packaged Dimensions:**  
**Single:** L 4.5 in. x W 7.75 in. x H 0.5 in. **Wt:** 0.6 lb

**Double:** L 9.5 in. x W 8 in. x H 0.5 in. **Wt:** 1.4 lb

**Triple:** L 12.5 in. x W 7.5 in. x H 0.5 in. **Wt:** 2.2 lb

### Polar Skin Ice Sheet™ (36 in x 60 in.) Large

Unit	Item#	NSN#
Single	ZZ-0758	

**Device Dimensions:**  
W 36 in. x H 60 in.

**Packaged Dimensions:**  
L 8.5 in. x W 5.5 in. x H 1.5 in.

**Wt:** 1.49 lb

## Polar Skin Comprehensive Cooling System™

A complete and portable modality for the treatment of heat-related illnesses

- Consists of two (2) **Triple Pack Polar Skin™ Ice Sheets** and one (1) **Polar Skin™ C2E Ice Pack Bundle**.
- Protracted direct cooling of high blood flow regions.
- Scientifically proven to promote rapid core temperature reduction.

### Comprehensive Cooling System™

Item#	NSN#	Packaged Dimensions:
ZZ-0674		L 11 in. x W 10 in. x H 4 in. <b>Wt:</b> 8.8 lb

### Polar Skin C2E Ice Pack™ Bundle

- 4 specially-sized Comfort Gel Packs encased in Polar Skin Mini-Mesh™ sleeves & saturated with ArcticAqua.™
- Provides cooling of high blood flow (large artery) regions of the body (underarms, abdomen, neck & groin).

### C2E Ice Pack™ Bundle

Item#	NSN#	Gel Pack Dimensions:
ZZ-0675		W 6 in. x L 10 in.
		<b>Packaged Dimensions:</b> L 8 in. x W 9.5 in. x H 1.25 in. <b>Wt:</b> 4.4 lb



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# POLAR SKIN™ Cooling Systems

## Polar Skin Complete Care Pack

*Portable, highly insulated option to carry the Polar Skin Comprehensive Cooling System™ into the field*

- Contains of one (1) **Polar Skin Comprehensive Cooling System™** and one (1) heavy duty, leak- & sweat proof **Red Polar Skin™ Cooler** that keeps ice from melting for 24 hours in +100°F heat.
- Polar Skin Cooler is also available for separate purchase.

Color	Item#	NSN#
RED	80-0451	

**Packaged Dimensions:**  
L 14 in. x W 12 in. x H 7 in.

**Wt:** 10.2 lb



## Polar Skin Cooler

- Keeps ice for 24 hours in 100+°F heat.
- Food grade liner that is leak-proof and sweat-proof.
- 0.75 in. thick high density foam for insulation.
- Constructed of heavy duty materials with padded shoulder strap and a side pocket for dry items.
- Standard size accommodates (1) one **Polar Skin Comprehensive Cooling System™**.
- Large size accommodates (2) two **Polar Skin Comprehensive Cooling Systems™**.
- Lifetime warranty.



### ORDERING INFORMATION

COLOR	SIZE	ITEM #
Red	Standard	ZZ-0682
Black	Standard	ZZ-0759
Black	Large	ZZ-0756
Black	Backpack	ZZ-0794

### SPECIFICATIONS

Standard: L 14 in. x W 12 in. x H 7 in.  
Weight: 1 lb 3.2 oz

Large: L 18.5 in. x W 13 in. x H 9.5 in.  
Weight: 2 lb 13 oz

Backpack: L 19.5 in. x W 15 in. x D 7.5 in.  
Weight: 3 lb 13 oz



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## Polar Skin Cooling Collar™

*Reusable cooling system for the neck area to prevent heat illness and promote performance recovery*

- Polar Skin Mini-Mesh™ sleeves saturated in ArcticAqua Sport™ with two gel packs designed to align with the carotid artery.
- Provides cold directly to the lateral and anterior portions of the neck.

### Polar Skin Cooling Collar™

Item#	NSN#
ZZ-0670	

**Packaged Dimensions:**

L 8.5 in. x W 5.25 in. x H 2 in. / **Wt:** 2.5 lb



## BEAT the Heat with Polar Skin

### Polar Skin Complete Line

Item	Size	Color	Item#	NSN#
Polar Skin Ice Sheet	Single Sheet	-	ZZ-0668	6532-01-653-6054
Polar Skin Ice Sheet	Double Sheet	-	ZZ-0669	
Polar Skin Ice Sheet	Triple Sheet	-	ZZ-0755	
Polar Skin Ice Sheet, Large	Large Sheet	-	ZZ-0758	
Polar Skin Comprehensive Cooling	System	-	ZZ-0674	
Polar Skin C2 Ice Pack Bundle	Bundle	-	ZZ-0675	
Polar Skin Complete Care Pack	Complete Care	RED	80-0451	
Polar Skin Cooler	Standard	RED	ZZ-0682	
Polar Skin Cooler	Standard	BLK	ZZ-0759	
Polar Skin Cooler	Large	BLK	ZZ-0756	
Polar Skin Complete Care Backpack	Single	BLK	80-0543	
Polar Skin Complete Care Backpack	Double	BLK	80-0544	
Polar Skin Cooling Collar	Collar	-	ZZ-0670	

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## Polar Skin Complete Care Backpack

*The Complete Care Backpack is a Comprehensive Polar Skin option designed to carry the Comprehensive Cooling System(s) into the field - with the ease and convenience of a Backpack style configuration.*

- Single Pack features Backpack Cooler and One (1) Comprehensive Cooling System for a portable, all-inclusive system capable of treating a single patient
- Double Pack features Backpack Cooler and Two (2) Comprehensive Cooling Systems for a portable, all-inclusive system capable of treating a two patients
- Scientifically proven to reduce core temperature by .09°F/minute in 100°F heat when used according to protocol
- The system maintains an internal temperature of ≤32°F for 17.5 hours in >85°F ambient temperatures when prepared to 0°F and stored in a Polar Skin Cooler with ice
- Adheres to current National Athletic Trainers' Association and U.S. Army protocols for heat illness treatment

### Polar Skin Complete Care Backpack

Color	Size	Item#	NSN#
BLK	Single	80-0543	
BLK	Double	80-0544	

#### Single Packaged Dimensions:

W 19.5 in. x L 15 in. x D 7.5 in.

Wt: 12.8 lb

#### Double Packaged Dimensions:

W 19.5 in. x L 15 in. x D 7.5 in.

Wt: 21.8 lb

### Single Patient Size Kit Contains:

1 x Polar Skin Backpack Cooler, Black

1 x Polar Skin Comprehensive Cooling System containing:

2 x Polar Skin Ice Sheets™ (Triple Pack)

1 x Polar Skin C2E Ice Pack™ Bundle

### Double Patient Size Kit Contains:

1 x Polar Skin Backpack Cooler, Black

2 x Polar Skin Comprehensive Cooling System each containing:

2 x Polar Skin Ice Sheets™ (Triple Pack)

1 x Polar Skin C2E Ice Pack™ Bundle



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