

# Heat Stress MANAGEMENT



***DID YOU KNOW***  
that approximately  
700 people die from  
heat stroke in the U.S.  
every year? Many  
more suffer from heat  
stress while on the job.

UniTech Services  
Group provides  
the products and  
expertise you need  
to keep your workers  
safe and productive.

# Keep Cool!



# Personal Cooling SOLUTIONS from **COOLSHIRT SYSTEMS**



Other vest and shirt models and cooling systems are available – please inquire.

## AquaVest®

The AquaVest from CoolShirt Systems keeps workers cool and comfortable by helping to maintain a safe core body temperature and lessening dehydration. It is launderable. Patented non-kink tubing ensures consistent and continual cooling. It can be used with the BackPack System or Multi-Person System.

Item No	Size
COOL-SHA-AVA	M-3XL



## AquaVest BackPack Cooling System

Untethered, active cooling system for use with the AquaVest features full portability. 5.5 lbs.

Item No	Description
COOL-SHA-BPC-220	Back Pack Cooler Endurance Ice, 24 oz.



## CoolShirt Multi-Person Cooling Station

Large 15-gallon cooling capacity for use with AquaVest. Cooling station cools up to 6 people simultaneously. Uses standard 110 V standard plug.

Item No	Description
COOL-SHA-MPS	Cools Up to 6 workers
COOL-SHA-H8	8 ft. Water Hose
COOL-SHA-H-20	20 ft. Water Hose

For more information on all the ways UniTech can help protect your workers from heat stress, call your UniTech account manager or contact our corporate office.

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## 3M™ Versaflo™ PAPR Systems



Upgrade to 3M's comfortable, comprehensive approach to worker protection. Each ANSI approved respirator system has three easy-to-select modules — headgear, breathing tubes and air sources — that can be combined into dozens of system configurations. 3M Versaflo can be configured to provide respiratory, head, eye and face, and hearing protection. Features include two-position adjustable airflow to distribute air where the user wants, multiple size adjustment options and easily removable parts for cleaning and maintenance.

Item No	Description
RS-3MTR-304N	TR-300 Series PAPR
RS-3MTR-604N	TR-600 Series PAPR
RS-3MM-305	ANSI-Approved Hard Hat & Face Shield

## 3M™ Vortex Cooling Assembly V-100 Series



Cool the supplied air by up to 50°F (28°C). This assembly works with 3M High Pressure Supplied Air Respirator Systems that use 3M Versaflo S-Series Hoods and 3M Versaflo M-Series Helmets. The assembly allows the user to adjust airflow and temperature.

Item No	Description
<b>HEAD TOPPERS</b>	
RS-3MS-403L-20	Tychem™ Hoods
RS-3MM-305	ANSI-Approved Hard Hat & Face Shield
RS-3MV-100	Cooling Vortex Assembly
<b>AIR HOSE</b>	
RS-3MW-9435-50	3M 50-ft. Supplied Air Hose

## Glacier Tek™ NuCool Vest



To experience the comfort you need, simply put on a Glacier Tek Original Cool Vest or UniTech NuCool Vest. Each features a heavy-duty front zipper, side elastic straps and over-the-shoulder adjustability, designed to fit a wide range of body sizes. Cool Vest and NuCool Vest each provide a natural, comfortable solution to heat stress.

Cool Vest and NuCool Vest enable the wearer to maintain a comfortable temperature in even the most extreme heated work environments. Thanks to patented renewable phase-change cooling technology, Cool Vest and NuCool Vest remain thermally stable at 59°F (15°C) for up to 2.5 hours in 100°F (38 °C).

Item No	Description
US-GTIRCVZ15TK-A	Original RPCM Cool Vest, Cotton, Tan/Khaki, Includes One RCPM Cool Pack Set
US-GTIRSPS15XX	RCPM Cool Pack Set (4 packs/set)
US-GTIRCVN15BL	CoolTech RPCM Cool Vest, Navy Blue, VEST ONLY



## CoolTech Scrubs

More comfortable than disposable or cotton scrubs, CoolTech wicks moisture away from the body and dries quickly. Tight weave and an anti-static grid provide optimal protection. Scrubs are embedded with a thin anti-theft wire (for use with UniTech's Garment Sentry system) preventing them from leaving the facility.

Item No	Description	Size
SCRUB-07A-LS-NB	Long Sleeve Shirt	S-4XL
SCRUB-07A-SS-NB	Short Sleeve Shirt	S-4XL
SCRUB-57A-LP-NB	Long Pant	S-4XL

(Short pants also available.)



## ProTech Plus<sup>®</sup>

For everyday comfort and minimized heat stress, choose ProTech Plus coveralls. EPRI's "Guidelines for the Optimization of Protective Clothing – Heat Stress and Skin Contamination Protection" awarded ProTech coveralls a desirable ZERO Heat Stress Index adjustment factor (WBGT).

Item No	Size
COV-21A-YW	M-6XL

Illness	Symptoms		First Aid*	
<b>Heat Stroke</b>	<ul style="list-style-type: none"> <li>Confusion</li> <li>Fainting</li> <li>Seizures</li> </ul>	<ul style="list-style-type: none"> <li>Very high body temperature</li> <li>Excessive sweating or red, hot, dry skin</li> </ul>	<ul style="list-style-type: none"> <li>Call 911</li> <li>While waiting for help:                             <ul style="list-style-type: none"> <li>Place worker in shady, cool area</li> <li>Loosen clothing, remove outer clothing</li> <li>Fan air on worker; cold packs in armpits</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Wet worker with cool water; apply ice packs, cool compresses or ice if available</li> <li>Provide fluids (preferably water) as soon as possible</li> <li>Stay with worker until help arrives</li> </ul>
<b>Heat Exhaustion</b>	<ul style="list-style-type: none"> <li>Cool, moist skin</li> <li>Heavy sweating</li> <li>Headache</li> <li>Dizziness</li> <li>Weakness</li> </ul>	<ul style="list-style-type: none"> <li>Nausea or vomiting</li> <li>Lightheadedness</li> <li>Thirst</li> <li>Irritability</li> <li>Fast heart beat</li> </ul>	<ul style="list-style-type: none"> <li>Have worker sit or lie down in a cool, shady area</li> <li>Give worker plenty of water or other cool beverages to drink</li> <li>Cool worker with cold compresses/ice packs</li> </ul>	<ul style="list-style-type: none"> <li>Take to clinic or emergency room for medical evaluation or treatment if signs or symptoms worsen or do not improve within 60 minutes</li> <li>Do not return to work that day</li> </ul>
<b>Heat Cramps</b>	<ul style="list-style-type: none"> <li>Muscle spasms</li> <li>Pain</li> </ul>	<ul style="list-style-type: none"> <li>Usually in abdomen, arms or legs</li> </ul>	<ul style="list-style-type: none"> <li>Have worker rest in shady, cool area</li> <li>Worker should drink water or other cool beverages</li> </ul>	<ul style="list-style-type: none"> <li>Wait a few hours before allowing worker to return to strenuous work</li> <li>Have worker seek medical attention if cramps don't go away</li> </ul>
<b>Heat Rash</b>	<ul style="list-style-type: none"> <li>Clusters of red bumps on skin</li> <li>Often appears on neck, upper chest, folds of skin</li> </ul>		<ul style="list-style-type: none"> <li>Try to work in a cooler, less humid environment when possible</li> </ul>	<ul style="list-style-type: none"> <li>Keep the affected area dry</li> </ul>

\* Remember, if you are not a medical professional, use this information as a guide only to help workers in need.

Chart from [http://www.osha.gov/SLTC/heatstress/heat\\_illnesses.html](http://www.osha.gov/SLTC/heatstress/heat_illnesses.html)



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