WELCOME

TechNiche International started as a small, specialty apparel company with only a few products and a handful of customers. Today, our company has grown to become a technology leader in the exciting field of performance apparel. Our product offering has expanded to include gender specific styles as well as children's sizes, our personal cooling and heating technology offerings have grown to meet the needs of our expanding customer base, and each day, new groups of people (and other animals) utilize our personal cooling and heating technologies to enhance comfort and improve performance. Our customers now span the globe representing a large, diverse group of people who use apparel to enhance performance. Whether you are a construction worker trying to "beat the heat" down under in Australia, a motorcyclist touring through the California desert, a skier in the Canadian rockies trying to keep your fingers and toes warm, or an athlete training for the next Olympic games, our products can help you achieve your goals. We remain committed to designing and manufacturing high quality products that enhance the lifestyles of our users. We would like to thank our customers, suppliers and other strategic partners for their continued support and we look forward to the exciting challenges ahead.

Doug Frost (and family)  Founder & CEO

WHAT'S NEW

With this new catalog, we are introducing a number of new products and product upgrades, along with a whole new packaging initiative to make it easier to merchandise our products. New products, new product improvements, new technologies, new packaging and new merchandising tools are all part of our efforts to help you succeed with our products.

1. Improved HyperKewl™ Fabric

Our Evaporative Cooling products utilize our latest HyperKewl™ Fabric. We have increased the strength of the fabric to help it last longer and hold more water.

2. Improved Product Fabrics

We now make all of our HyperKewl™ Vests, Dog Coats and Dog Pads with a new waterproof nylon liner that keeps the user drier and feels cooler to the touch.

3. Improved Packaging

We have improved our packaging in several key areas. All of our HyperKewl™ Vests, Dog Coats and Dog Pads are now packaged in clamshells with inserts that describe the product and how to use it. We have also added a second hang tag with tips on how to activate the products.

With our TechKewl™ and KewlFit™ line of vests we now package them in a cooler bag properly labeled to reflect the product in the bag.

IonGear™ products also now come with new and improved packaging. Vests and jackets are delivered in a retail box and gloves come with a multi-pocket carrying bag. Both the vests and jackets as well as the gloves now also come with a detailed Operating Instructions booklet.

4. New Merchandising Stands

We now offer two POS displays, a Black Tower for our larger garments and a Countertop display for our smaller accessories. See page 62 for more details.

5. DryKewl™

Utilizing our HyperKewl fabric and special water repellent fabrics we have been able to create a completely dry garment that cools through evaporation. See page 24 and 25 for details.

6. KewlTowel™

A new item for us, these are towels designed to absorb water and wrap around your head or neck to keep you cool. See page 26 and 27 for details.

7. KewlShirt™

Our new KewlShirt™ product line is designed to serve the performance apparel market segment. Built with our HyperKewl™ fabric and breathable polyester, it works through evaporation to keep you cool. See page 13 for details.

8. HyperKewl™ Plus

Well we are pretty much there with this new upgrade to our HyperKewl™ fabric. While we cannot make any definite promises as to when and how we will release this new version of HyperKewl™, testing is going very well and we are looking at the how and when of releasing this latest upgrade of machine washable HyperKewl™.

9. KewlFit™

Work out longer, harder and recover faster. Or better yet, just use the vest to lose weight!! This is a major new product line for TechNiche. See page 38 – 41.

Ioannis Anastasakis & Family
President
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WHO USES OUR STUFF ...

- Vancouver 2010
- The Hobbit
- Grainger
- New York City 9/11/2001
- Police & Military Canines
- Harley-Davidson
- McLaren
- adidas
- U.S. Army
- Army Strong
- London 2012
- KTM
- Israel Defense Forces
- US Marines - Camp Pendleton
- Children with Thermo-Regulatory Challenges
TechNiche BRANDS ... Keeping you COOL

EVAPORATIVE COOLING Products

PHASE CHANGE COOLING Products

CIRCULATORY COOLING Products
TechNiche BRANDS ... Keeping you WARM

BATTERY POWERED HEATING Products

AIR ACTIVATED WARMERS (Body, Hand & Toe)

AIR ACTIVATED WARMING Apparel
How it Works

HyperKewl™ products utilize a unique polymer chemistry to achieve rapid absorption and stable water storage. Our chemical formulation also creates enhanced evaporation and longevity. Users can expect the HyperKewl™ evaporative cooling fabric to provide temperatures that are 15 - 20 degrees (F) cooler than the ambient temperature. The exact temperature difference will depend on humidity, exposure to airflow and other environmental conditions.

Please note: High humidity (90%+) will diminish the fabric's ability to evaporate water and therefore will not provide cooling without significant airflow such as on a motorcycle.

Each garment comes with 2 hang tags and a care label that fully explains how best to use the product and care for the product.

How to Activate

To activate our HyperKewl™ evaporative cooling products, simply submerge the item in water for 1-2 minutes allowing the HyperKewl™ fabric to absorb the water. Gently squeeze out any excess water, wipe dry and the garment is ready to wear. The garment will remain activated for hours and can be re-hydrated by following these simple steps.

Who Uses This Technology... anyone who works or recreates in warm weather
Best Conditions for Use... warm, dry climates
How Are These Products Different... instead of capturing water with crude super-absorbent powders, we use specially designed fibers to provide uniform absorption and cooling.
Evaporative Cooling Product Comparison

<table>
<thead>
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<th>1) Patented Technology</th>
<th>No</th>
<th>No</th>
<th>Yes</th>
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<td>Basic Fluid Retention</td>
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<td>Water Management System for Personal Cooling Products</td>
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<td>3) Cooling Performance</td>
<td>Poor</td>
<td>Poor</td>
<td>Excellent</td>
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<td>4) Activation Instructions</td>
<td>Submerge in Water 10 - 20 minutes</td>
<td>Submerge in Water 10 secs - 5 mins</td>
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<td>5) Risk of Over Hydrating</td>
<td>Moderate</td>
<td>High</td>
<td>Low</td>
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<td>6) Appearance &amp; Fit</td>
<td>Sausage like swelling, bulky feel</td>
<td>Thick, heavy, uneven fabric, bulky feel</td>
<td>Uniform hydration with optimal weight-performance ratio</td>
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<td>7) Anti-Polymer Migration Design</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<td>No</td>
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Technical Features

- Evaporative Cooling Technology
- Patented Cooling Technology
- Requires Exposure to Air Flow
- Best Conditions = Dry Heat
- Unisex Product Design
- Female Specific Product Design
- Product Includes High Visibility Fabric
- Product is ANSI Class II Compliant
- Fire Resistant Version Available

Product Benefits

- Cost effective personal cooling solution including vests and accessories
- Promotes comfort, enhances performance, ensures safety in high heat conditions
- Provides extended cooling comfort and heat stress prevention
- Lightweight, durable and reusable
- Commonly found on construction sites, sports fields, motorcyclists and a variety of others
- Activated by simply submerging in water
- Will last for hours and can be re-activated by re-submerging in water
- Simple and easy to use
- Multiple sizes and styles allow for comfortable fit
Product #6529
HyperKewl™ EVAPORATIVE COOLING
SPORT VESTS

- Simple V-neck with zipper closure; works for a wide range of people and uses
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Adult Sizes: XS, S, M, L, XL, 2XL, 3XL, Custom
- Colors: See below
- Child Sizes: 5-6 Years Old, 7-9 Years Old, 10-12 Years Old

OUR HYPERKEWL™ 6529 SPORT COOLING VEST WAS TESTED EXTENSIVELY BY THE MOTORCYCLE RIDERS CLUB OF AMERICA AND WAS GIVEN THEIR PRESTIGIOUS SEAL OF APPROVAL
Product #6533

HyperKewl™ EVAPORATIVE COOLING SPORT VEST with DETACHABLE SLEEVES

- It has all of the characteristics of our 6529 with the added comfort and protection of cooling sleeves
- Sleeves are detachable
- Great for desert riding as sleeves protect and cool arms
- Sizes: XS, S, M, L, XL, 2XL, 3XL, Custom
- Colors: See below

[Images of vest in blue, silver, black, and hi-vis lime colors]
Product #6530

HyperKewl™ EVAPORATIVE COOLING
DELUXE SPORT VESTS

- High Mandarin collar for additional cooling relief and sun protection with handy front pockets and zipper closure
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Sizes: XS, S, M, L, XL, 2XL, 3XL, Custom
- Colors: See below

STARTING IN 2013 ...

HyperKewl™ Cooling Vests are packaged in convenient, clam shell containers like the one pictured here.

Our new packaging offers several important benefits:

- Improved Merchandising
- Enhanced Product Visibility
- Superior Product Protection
- Resealability
- Better Display of Features
Product #6530F
HyperKewl™ EVAPORATIVE COOLING
FEMALE DELUXE SPORT VESTS
- Designed specifically for the female form
- Fitted front seams and a gathered waist
- High Mandarin collar for additional cooling relief and sun protection with handy front pockets and zipper closure
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Women’s Sizes: S, M, L, XL, Plus Sizes 1X, 2X. Custom
- Color: See below

Product #6532
HyperKewl™ EVAPORATIVE COOLING
DELUXE SPORT VESTS
with DETACHABLE SLEEVES
- It has all of the characteristics of our 6530 with the added comfort and protection of cooling sleeves
- Sleeves are detachable
- Great for desert riding as sleeves protect and cool arms
- Sizes: XS, S, M, L, XL, 2XL, 3XL. Custom
- Color: See below
**Product #6531**

HyperKewl™ EVAPORATIVE COOLING

**ULTRA SPORT VESTS**

- Pull over with mesh ventilation, scoop neck, and side zipper
- Ideal for motocross riders, runners, equestrians and cyclists
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Sizes: XS, S, M, L, XL, 2XL, 3XL, Custom
- Colors: See below

**Colors:**

- BLUE/SILVER
- SILVER/SILVER
- BLACK/SILVER
- HI VIZ LIME/SILVER
Product #6201
HyperKewl™ EVAPORATIVE COOLING
KEWLSHIRT - TANK TOP
- Traditional Tank Top styling, made with Spandex, HyperKewl™ fabric and waterproof nylon
- Designed to be worn against the skin for maximum cooling effect, with ventilation vents built into back and front panels
- Best worn underneath a breathable sports jersey or on its own
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable spandex and nylon outer with HyperKewl™ fabric inner; water repellent nylon liner
- Sizes: XS, S, M, L, XL, 2XL, 3XL, Custom
- Color: Black with blue accent striping

Product #6202
HyperKewl™ EVAPORATIVE COOLING
KEWLSHIRT - T-SHIRT
- Comfortable t-shirt styling, made with Spandex, HyperKewl™ fabric and waterproof nylon
- Designed to be worn against the skin for maximum cooling effect
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable spandex and nylon outer with HyperKewl™ fabric inner; water repellent nylon liner
- Sizes: XS, S, M, L, XL, 2XL, 3XL, Custom
- Color: Black with blue accent striping

Available Summer 2014, Order Now ...
Product #6537
HyperKewl™ EVAPORATIVE COOLING
VELO (ROAD) CYCLING VESTS
- Front zipper with polyester cool mesh ventilation panels and cool zones in critical areas
- Includes traditional rear storage pockets
- Provide 4-6 hours of cooling relief per soaking (on a bike)
- Contoured design for maximum comfort
- Comfortable, quilted outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Designed with bright colors for road riders
- Sizes: XS, S, M, L, XL, 2XL, 3XL
- Colors: Hi-Viz Lime/Silver/White, Blue/White

Product #6539
HyperKewl™ EVAPORATIVE COOLING
PEAK (MOUNTAIN) CYCLING VESTS
- Front zipper with polyester cool mesh ventilation panels and cool zones in critical areas
- No rear storage pockets allowing for external hydration system
- Provide 4-6 hours of cooling relief per soaking
- Contoured design for maximum comfort
- Comfortable, quilted outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Designed with darker colors for mountain bike riders who enjoy the dirt
- Sizes: XS, S, M, L, XL, 2XL, 3XL
- Colors: Blue/Silver/Black, Silver/Black
EVAPORATIVE COOLING VESTS

Product #6538
HyperKewl™ EVAPORATIVE COOLING TRAFFIC SAFETY VESTS

- ANSI Compliant Class II Traffic Safety Vest
- Hook and loop front closure
- Polyester outer with HyperKewl™ fabric inner, water repellent nylon liner
- Multiple front pockets for storage
- Provide 5-10 hours of cooling relief per soaking
- Sizes: S/M, L/XL and 2X/3X
- Colors: Hi-Viz Lime, Hi-Viz Orange
### Product #6519
HyperKewl™
**EVAPORATIVE COOLING NECK BANDS**
- Made with NEW 100% Polyester Cool Mesh for enhanced performance
- Economical and effective
- Made using quick-release snap for improved user safety
- Provides 5-10 hours of cooling relief per soaking
- Lightweight, durable and easy to activate
- Size: Adult
- Colors: See left

### Product #6520
HyperKewl™
**EVAPORATIVE COOLING DELUXE NECK BAND**
- Made with 100% cotton
- Low profile hook and loop closure; ideal for use under uniforms
- Provide 5-10 hours of cooling relief per soaking
- Colors: Blue, Custom
- Size: Adult

### Product #6517
HyperKewl™
**EVAPORATIVE COOLING NECK GUARDS**
- High collar with side zipper
- Provides 5-10 hours of cooling relief per soaking
- Contoured design for maximum comfort
- Comfortable, quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Colors: Blue, Silver, Black
- Size: S/M, L/XL
EVAPORATIVE COOLING ACCESSORIES

Product #6519M
HyperKewl™ EVAPORATIVE COOLING NECK BANDS for MILITARY
• Made with 50/50 cotton/nylon for durability and comfort
• Economical and effective
• Made using quick-release snap for improved user safety
• Provides 5-10 hours of cooling relief per soaking
• Lightweight, durable and easy to activate
• Colors: Army ACU and Marine Desert
• Size: Adult

Product #6525
HyperKewl™ EVAPORATIVE COOLING NECK SHADE
• Keep your neck cool, comfortable and protected from the sun’s harmful rays; hook and loop conveniently attaches to hard hat liner (hard hat not incl.)
• Comfortable quilted Hi-Viz Lime polyester outer, HyperKewl™ fabric inner, water repellent nylon liner and black poly-cotton trim; elastic straps with hook and loop attachments
• Provide 5-10 hours of cooling relief per soaking
• Lightweight and durable
• Colors: Hi-Viz Lime, Custom
• Size: Adult

Product #6535
HyperKewl™ EVAPORATIVE COOLING CROWN COOLER WITH NECK SHADE
• Protect the head and neck from dangerous heat and sun while on the job; easily attaches to hard hat liner (hard hat not incl.)
• Comfortable quilted Hi-Viz Lime polyester outer, HyperKewl™ fabric inner, water repellent taffeta liner and black poly-cotton trim; elastic straps with hook and loop attachments
• Provide 5-10 hours of cooling relief per soaking
• Colors: Hi-Viz Lime, Custom
• Size: Adult
**Product #6536**
HyperKewl™ EVAPORATIVE COOLING SKULL CAPS
- Made with NEW 100% Polyester Cool Mesh for enhanced performance
- Tie fasten in back ensures a comfortable fit for all
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, polyester mesh with HyperKewl™ fabric inner
- Size: Adult
- Colors: See left

**Product #6522**
HyperKewl™ EVAPORATIVE COOLING BEANIES
- Made with NEW 100% Polyester Cool Mesh for enhanced performance
- Rear elastic panel ensures a comfortable fit for all
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, polyester mesh with HyperKewl™ fabric inner
- Also available in NOMEX™, and Indura™/Banwear™
- Size: Adult
- Colors: See left

**Product #6521**
HyperKewl™ EVAPORATIVE COOLING BROW PAD
- Made with NEW 100% Polyester Cool Mesh for enhanced performance
- Rear elastic panel ensures a comfortable fit for all
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, polyester mesh with HyperKewl™ fabric inner
- Size: Adult, Color: Blue
- Also available in NOMEX™, and Indura™/Banwear™

**Product #6534**
HyperKewl™ EVAPORATIVE COOLING CROWN COOLERS
- On the job heat stress management; hook and loop attaches easily to hard hat liner (hard hat not included)
- Provides 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, polyester mesh outer with HyperKewl™ fabric inner and water repellent nylon liner, and hook and loop attachment
- Color: Blue
- Size: Adult
EVAPORATIVE COOLING VESTS

Product #6591
HyperKewl™ EVAPORATIVE COOLING RANGER CAPS
- Made with 100% Cotton outer
- Adjustable with convenient strap cincher
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, quilted cotton outer with HyperKewl™ fabric inner water repellent nylon liner
- Color: Khaki (Military Boonie Cap can be found on page 45)
- Sizes: S/M, L/XL, 2XL/3XL

Product #6573
HyperKewl™ EVAPORATIVE COOLING WRIST WRAPS
- Made with 100% polyester mesh for maximum comfort
- Hook and loop closure; ideal for use under uniforms
- Provide 5-10 hours of cooling relief per soaking
- Sold in pairs
- Colors: Blue, Black, Custom
- Size: Adult

Product #6801
HyperKewl™ EVAPORATIVE COOLING GULPZ™ HYDRATION SYSTEMS
- Hands free convenience, stay hydrated (and safe) at work or play
- 70 ounce (2 litre) fluid capacity
- Include fluid reservoir, drinking tube and bite valve
- Carrying unit made from TechNiche International’s unique HyperKewl™ Cooling fabric
- Soak entire Gulpz™ like any of our Evaporative Cooling Systems and keep your water cool for several hours
- Size: Adult
- Colors: Hi Viz Lime, Black
Product #6593
HyperKewl™ EVAPORATIVE COOLING
SPORT CAPS

- HyperKewl™ material is integrated directly into hat panels
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable, includes mesh vents for air circulation
- Designed specifically for sporting activities
- Mesh polyester outer, with HyperKewl™ fabric inner and water repellent nylon liner
- Low profile Hook and Loop size adjustment
- Colors: Blue/White, Black
- Size: Adult

Product #6594
HyperKewl™ EVAPORATIVE COOLING
6 PANEL CAPS

- HyperKewl™ material is integrated directly into hat panels
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable, includes mesh vents for air circulation
- 6 panel hat designed specifically for people working outdoors
- Mesh polyester outer, with HyperKewl™ fabric inner and water repellent nylon liner
- Low profile Hook and loop size adjustment
- Colors: Khaki, Custom ... see samples below
- Add company logos for customized product ... see samples below
- Size: Adult
Product #6595
HyperKewl™ EVAPORATIVE COOLING HI VIZ CAPS

- HyperKewl™ material is integrated directly into hat panels
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable, includes mesh vents for air circulation
- 6 panel hat designed specifically for people working outdoors
- Polyester Hi-Viz lime outer mesh, with HyperKewl™ fabric inner and water repellent nylon liner
- Low profile Hook and Loop size adjustment
- Color: Hi-Viz lime with reflective tape
- Size: Adult

Product #6596
HyperKewl™ EVAPORATIVE COOLING ULTRA SPORT CAPS

- HyperKewl™ material is integrated directly into hat panels and neckshade
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable, includes mesh vents for air circulation
- Designed specifically for sporting activities
- Mesh polyester outer, with HyperKewl™ fabric inner and water repellent nylon inner
- Low profile Hook and loop size adjustment
- Colors: Khaki, Custom
- Size: Adult
Product #8529
HyperKewl™ EVAPORATIVE COOLING DOG COATS

- Secured at the chest and under the belly, this unique vest keeps your dog cool on hot days while it runs and plays
- Flexible shoulder panels allow the dog to move without restriction
- Provides 5-10 hours of cooling relief per soaking; extremely lightweight and durable
- Comfortable, quilted nylon outer with HyperKewl™ fabric inner, waterproof nylon liner, and black poly-cotton trim
- Colors: Blue, Silver
- Sizes: XS, S, M, L, XL, XXL (See sizing chart right for more details)

<table>
<thead>
<tr>
<th>Cooling Vest Size</th>
<th>Cooling Pad Size</th>
<th>Approx Dog Weight</th>
<th>Back Measurement</th>
<th>Typical Breed</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSmall</td>
<td>15” x 20”</td>
<td>10 lbs</td>
<td>up to 8”</td>
<td>Miniature</td>
</tr>
<tr>
<td>Small</td>
<td>19” x 24”</td>
<td>25 lbs</td>
<td>9” - 12”</td>
<td>Spanish</td>
</tr>
<tr>
<td>Medium</td>
<td>21” x 30”</td>
<td>40 lbs</td>
<td>13” - 16”</td>
<td>Beagle</td>
</tr>
<tr>
<td>Large</td>
<td>23” x 36”</td>
<td>70 lbs</td>
<td>17” - 20”</td>
<td>Retriever</td>
</tr>
<tr>
<td>XLarge</td>
<td>28” x 42”</td>
<td>95 lbs</td>
<td>21” - 24”</td>
<td>Rottweiler</td>
</tr>
<tr>
<td>XXLarge</td>
<td>32” x 48”</td>
<td>120 lbs</td>
<td>25” - 30”</td>
<td>Great Dane</td>
</tr>
</tbody>
</table>

Product #8511
HyperKewl™ EVAPORATIVE COOLING DOG PADS

- Economical and effective
- Great way to cool down your pet on a hot day; can be used indoors or outside
- Provide 5-10 hours of cooling relief per soaking; extremely lightweight and durable
- Comfortable, quilted nylon outer with HyperKewl™ fabric inner, waterproof nylon liner, and black poly-cotton trim
- Colors: Blue, Silver
- Sizes: XS, S, M, L, XL, XXL (See sizing chart above for more details.)

Product #6519
HyperKewl™ EVAPORATIVE COOLING NECK COOLERS

- Made with NEW 100% Polyester Cool Mesh for enhanced performance
- Economical and effective
- Made using quick-release snap for improved user safety
- Provides 5-10 hours of cooling relief per soaking
- Lightweight, durable and easy to activate
- Colors: USA Flag, Blue, Black, Khaki, Pink, Custom
- Size: One Size
Product #8510
HyperKewl™ EVAPORATIVE COOLING HORSE BLANKETS
- Two chest straps and two under belly straps secure the blanket to the horse
- Flexible shoulder material allows the horse to move with minimal restriction
- Provide 4-6 hours of cooling relief per soaking; lightweight and durable
- Comfortable, quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Colors: Blue, Silver
- Sizes: S/M, L/XL

Product #8520
HyperKewl™ EVAPORATIVE COOLING HORSE NECK COOLERS
- Secured to your horse with hook and loop straps and an attachment to the horse’s halter
- Provides 5-10 hours of cooling relief per soaking
- Comfortable, quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Colors: Blue, Silver
- Sizes: S, M, L (See sizing chart above for details)

Product #8550
HyperKewl™ EVAPORATIVE COOLING HORSE LEG WRAPS
- Three hook & loop straps allow you to secure the cooling leg wraps without causing the animal undue stress
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner, and black poly-cotton trim
- Colors: Blue, Silver
- Size: One Size (See sizing chart above for details)
- Sold in pairs
How it Works

DryKewl™ products utilize our patented HyperKewl™ fabric in combination with specially prepared nylon that keeps water inside, but allows air to flow through. This combination allows us to place a HyperKewl™ insert in the vest between the nylon. You are cooled through evaporation, but remain completely dry.

Users can expect the evaporative cooling fabric to provide temperatures that are 15 - 20 degrees cooler than the ambient temperature, depending on airflow.

*Please note:* High humidity (90%+) will diminish the fabric’s ability to evaporate water and therefore will not provide cooling.

Each garment comes with a hang tag and care label that fully explains how best to use the product and care for the product.

How to Activate

- Remove insert from inside carrier & soak in water for 2-3 minutes
- Gently squeeze out excess water from insert
- Replace insert in carrier utilizing velcro strips
- Enjoy cooling from evaporation of water in insert
- Insert will remain hydrated for hours and can be re-hydrated by following above steps

Who Uses This Technology ... anyone who works or recreates in warm weather
Best Conditions for Use ... warm, dry climates
How Are These Products Different ... instead of capturing water with crude super-absorbent powders, we use specially designed fibers to provide uniform cooling
Product #6031
DryKewl™ EVAPORATIVE COOLING VESTS
- Pull over with mesh ventilation, scoop neck and side zipper
- Can provide 5-10 hours of cooling relief per soaking
- You stay cool and dry
- Lightweight, easy to activate, and durable
- Nylon outer and inner with HyperKewl™ fabric insert (6031E)
- Adult Sizes: XS, S, M, L, XL, 2XL, 3XL, Custom
- Color: Blue

Product #6031E
DryKewl™ EVAPORATIVE COOLING VEST INSERTS
- Extra or replacement inserts for the 6031 DryKewl™ Vest
- Sold in pairs
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Polyester mesh outer with HyperKewl™ fabric inner
- Sizes: 6031E (XS to 3XL) Order by vest size

Product #6011
DryKewl™ EVAPORATIVE COOLING DOG PADS
- Can provide 5-10 hours of cooling relief per soaking
- Your pet stays cool and dry
- Lightweight, easy to activate, and durable
- Nylon outer and inner with HyperKewl™ fabric insert (6011E)
- Sizes: XS, S, M, L, XL, 2XL, Custom
- Color: Blue
- Remove insert from inside carrier & soak in water for 2-3 minutes

<table>
<thead>
<tr>
<th>Cooling Pad Size</th>
<th>Cooling Pad Dimension</th>
<th>Approx Dog Weight</th>
<th>Typical Breed</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSmall</td>
<td>15” x 20”</td>
<td>10 lbs</td>
<td>Miniature</td>
</tr>
<tr>
<td>Small</td>
<td>19” x 24”</td>
<td>25 lbs</td>
<td>Spaniel</td>
</tr>
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<td>Medium</td>
<td>21” x 30”</td>
<td>40 lbs</td>
<td>Beagle</td>
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<tr>
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<tr>
<td>XXLarge</td>
<td>32” x 48”</td>
<td>120 lbs</td>
<td>Great Dane</td>
</tr>
</tbody>
</table>

Product #6011E
DryKewl™ EVAPORATIVE COOLING DOG PAD INSERTS
- Extra or replacement inserts for the 6011 DryKewl™ Dog Pad
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Polyester mesh outer with HyperKewl™ fabric inner
- Sizes: 6011E (XS to L), 6011EL (XL to 2XL)
EVAPORATIVE COOLING Technology

Our KewlTowel™ is made using highly absorbent PVA (poly vinyl alcohol) material with a special dimple design for more effective water absorption and evaporation. Water is "released" through evaporation, energy is consumed, and a chill effect is created. This chill effect is easily transferred from the KewlTowel™ to your skin by wiping the activated towel on your skin surface. The KewlTowel™ can be activated over and over by simply submerging it in water. Beat the heat all summer long with our KewlTowel™ evaporative cooling system.

How it Works

The KewlTowel™ is designed to keep you cool and refreshed. An activated KewlTowel™ is wiped on exposed skin surfaces to provide a cool and refreshing boost of energy. The KewlTowel™ also allows users to wipe off the dirt and sweat which further refreshes users. This large towel (12” x 28”) promotes maximum cooling power and is an excellent tool for dealing with the summer heat. Whether you work outside, ride a motorcycle in hot weather, exercise in the summer heat or are exposed to any warm conditions, the KewlTowel™ is a great way to stay cool and refreshed.

How to Activate

To activate our KewlTowel™, simply submerge the towel in water for 1 minute, and gently squeeze out excess water. Wipe down your exposed skin and create a natural cooling effect. The KewlTowel™ will remain activated for hours and can be re-hydrated by following these simple steps.
Product #6101
Kewl Towels™

EVAPORATIVE COOLING TOWELS

- Made from highly absorbent PVA material with dimple design
- Will remain hydrated for hours and is easily re-activated
- Lightweight, easy to activate, and durable
- Ideal for those working or recreating outside
- Size: 12” x 28”
- Colors: Blue and Pink
- Unit = 1 Towel (bulk quantities are available)
How it Works

TechKewl™ products are designed to provide targeted temperature cooling using advanced Phase Change Cooling Materials. These materials are activated by exposing them to any condition below their Phase Change Temperature. This means that Cool Pax™ can be activated in freezers, fridges, ice water or any other situation where the temperature is below 50°F (14°C). This unique feature means that with the use of ice in a cooler, users can re-activate inserts by simply placing them in a cooler full of ice ... no need for electricity.

Compared to water, these Phase Change Materials freeze faster, stay frozen longer and are lighter in weight.

Each garment comes with a hang tag and care label that fully explain how best to use the product and care for the product.

How to Activate

TechKewl™ Phase Change Cooling inserts are activated in ice water or the freezer. They will re-charge in any environment where the temperature is below 50°F (14°C). Simply place them in ice water or the freezer for 45 mins to ensure that they are solid all the way through. Please note that Phase Change Material solidifies from the outside in, so they may look solid after 15 mins but need the full 45 mins to be solid all the way through.

Who Uses This Technology ... anyone who works or recreates in warm weather
Best Conditions for Use ... any climate
How Are These Products Different ... maintain a fixed temperature within the vest and do not use water
## Technical Features

- **Phase Change Cooling Technology**
- **Can Be Worn Under Other Apparel**
- **Cooling Duration 1 - 2 Hours**
- **Cooling Duration 2 - 3 Hours**
- **Unisex Product Design**
- **Female Specific Product Design**
- **Product is ANSI Class II Compliant**
- **Fire Resistant Version Available**

## Key Product Benefits

- Specialized personal cooling solution
- Works effectively in all temperature environments (e.g., high humidity)
- Targeted cooling for key heat zones, promotes comfort and enhances performance
- Provides targeted cooling comfort and heat stress prevention
- Lightweight, durable and reusable
- Phase Change Material (PCM) releases long-lasting, temperature-specific (58°F, 14°C), cooling relief
- Commonly used under hazardous material suits, military combat gear, mascot costumes and other apparel
- Additional PCM inserts are available for extended relief
- Can be activated in ice water, no electricity required

## Phase Change Cooling Product Comparison

<table>
<thead>
<tr>
<th>1) Cooling Material</th>
<th>H2O Cooling Packs</th>
<th>Other Phase Change Products</th>
<th>Cool Pax™ Phase Change Cooling Packs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Water</td>
<td>Low Grade Alkanes or Plant &amp; Animal Fats</td>
<td>High Purity Alkanes</td>
</tr>
<tr>
<td>2) Plastic Encasement</td>
<td>PVC</td>
<td>Standard Polyurethane</td>
<td>High Strength Polyurethane with UV Stabilizers</td>
</tr>
<tr>
<td>3) Cooling Vest Style</td>
<td>Basic Vest</td>
<td>Basic Pull Over</td>
<td>Multiple Styles Contoured Design</td>
</tr>
<tr>
<td>4) Cool Pack Position Stabilizers</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>5) Vacu-Form &amp; Multi-Shape Design</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>6) Standard Product Includes Insulated Cooler Bag</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>7) Approved by US Military</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>8) Cooling Pack Life Span</td>
<td>1+ Years</td>
<td>3+ Years</td>
<td>10+ Years</td>
</tr>
<tr>
<td>9) Cooling Pack Failure Rate</td>
<td>3% - 5%</td>
<td>1% - 2%</td>
<td>&gt; .001%</td>
</tr>
<tr>
<td>10) Warranty</td>
<td>30 days</td>
<td>90 days</td>
<td>1 Year</td>
</tr>
</tbody>
</table>

www.technicheatlantic.com | 1-888-88-ECOOL
All 6626 TechKewl™ Phase Change Cooling Vests now come with a convenient cooler bag to help transport the vest as well as keep Cool Pax™ frozen.

Product #6626
TechKewl™ PHASE CHANGE COOLING VESTS

Style: Front Zipper

- V-neck with zipper closure
- Hook and loop girth and shoulder adjustments
- 100% cotton vest, with thermal liner
- One set of 6665 Cool Pax™ inserts is included with each vest and one cooler bag
- Deploy extra Cool Pax™ to achieve continuous cooling
- Sizes: M/L (100-175 lbs), L/XL (175-250 lbs), XXL (250-300 lbs), Custom
- Total Weight (including 6665 Cool Pax™): 6 lbs/2.7 kgs
- Insert Compatibility: 6665, 6665V, 7065, 7065V
- Colors: Blue, Black, Khaki
PHASE CHANGE COOLING VESTS

Product #6626HV
TechKewl™ PHASE CHANGE
ANSI Class II
HI VIZ COOLING VESTS

Style: High Visibility
- Same product features as 6626
- Outer 100% polyester, inner liner 100% cotton, made with thermal liner
- ANSI Compliance: Class II
- One set of 6665 Cool Pax™ inserts is included with each vest and one cooler bag
- Color: Hi Viz Lime with Silver Reflective Tape
- Sizes: M/L (100-175 lbs), L/XL (175-250 lbs), XXL (250-300 lbs), Custom
- Total Weight (including 6665 Cool Pax™): 6 lbs/2.7 kgs
- Insert Compatibility: 6665, 6665V, 7065, 7065V

Product #6626I
TechKewl™ PHASE CHANGE
INDURA™ FIRE RESISTANT COOLING VESTS
- Same features as the 6626, vest/carryer is made from 100% cotton INDURA™ or Banwear™
- V-neck design with zipper closure, hook and loop girth and shoulder adjustments
- One set of 6665 Cool Pax™ inserts is included with each vest and one cooler bag
- Sizes: M/L (100-175 lbs), L/XL (175-250 lbs), XXL (250-300 lbs), Custom
- Color: Blue

Product #6626N
TechKewl™ PHASE CHANGE
NOMEX™ FIRE RESISTANT COOLING VESTS
- Same features as the 6626, vest/carryer is made from 100% Nomex
- V-neck design with zipper closure, hook and loop girth and shoulder adjustments
- One set of 6665 Cool Pax™ inserts is included with each vest and one cooler bag
- Sizes: M/L (100-175 lbs), L/XL (175-250 lbs), XXL (250-300 lbs), Custom
- Color: Blue
Product #6625
TechKewl™ PHASE CHANGE
PULLOVER COOLING VESTS

Style: Pullover
- Scoop neck, pull over
- Hook and loop girth and shoulder adjustments
- 100% cotton vest, with thermal liner
- One set of 6667 Cool Pax™ inserts are included with each vest
- Deploy extra Cool Pax™ to achieve continuous cooling
- Color: Blue, Custom, Sizes: M/L, L/XL, Custom
- Total Weight (including 6667 Cool Pax™): 7 lbs/3.2 kgs
- Insert Compatibility: 6667

Product #6627
TechKewl™ PHASE CHANGE
COOLING VESTS with
BUILT-IN HYDRATION SYSTEM

- Each unit includes vest/carrier, set of 6665 Cool Pax™, built-in hydration reservoir with drink tube and bite valve
- V-neck design with zipper closure, hook and loop girth and shoulder adjustments
- 100% cotton vest, with thermal liner
- Includes integrated 70 oz/2L personal hydration system (Product #6660)
- Sizes: M/L (100-175 lbs), L/XL (175-250 lbs), 2XL (250-300 lbs)
- Color: Blue, Custom

Product #6660
REPLACEMENT HYDRATION SYSTEM

- Replacement reservoir with drink tube and bite valve
- Purchase additional hydration systems for persons sharing vests or as needed
- 70 oz. (2 liter) bladder system
- For TechKewl™ Cooling Vest with Built-in Hydration
- (6627, 7027) and GULPZ™ (6801)

Product #6826
TechKewl™ PHASE CHANGE
WATER BASED COOLING VESTS

- For those requiring ultimate flammability protection
- Water Based Cooling Inserts maintain a temperature of 32° F (0° C) for up to one hour
- Vest/carrier is made with INDURA™ or BanWear™ fire resistant Cotton
- Color: Blue
- Sizes: M/L (100-175 lbs), L/XL (175-250 lbs), 2XL (250-300 lbs), Custom
- Include one (1) set of Water Based Cooling Inserts (6865) and Fire Resistant Vest
PHASE CHANGE COOLING VESTS

Product #8626
TechKewl™ PHASE CHANGE COOLING DOG COATS

- Ideal for working dogs (police, military, etc) or other canines that work or recreate in high heat conditions
- Outer Material is 100% Cotton
- 58°F (14°C) Cool Pax™ are great for all climates, activates quickly and will last for hours
- Colors: Blue, Khaki, Custom
- Sizes: Small/Medium (One Cool Pax™), Medium/Large (Two CoolPax™), Large/XLarge (Three CoolPax™)

Product # 8665
TechKewl™ PHASE CHANGE COOLING DOG Inserts

- 58°F (14°C) Cool Pax™ are great for all climates, activates quickly
- Sizes: Small/Medium (One Cool Pax™), Medium/Large (Two Cool Pax™), Large/XLarge (Three Cool Pax™)

### COOLING DOG COAT (PRODUCT #8626) SIZING CHART

<table>
<thead>
<tr>
<th>Canine Cooling Coat Size</th>
<th>Number of Cool Pax™</th>
<th>Approx Dog Weight</th>
<th>Back Measurement</th>
<th>Typical Breed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small/Medium</td>
<td>One</td>
<td>10 - 20 lbs</td>
<td>14” - 16”</td>
<td>Beagle</td>
</tr>
<tr>
<td>Medium/Large</td>
<td>Two</td>
<td>40 - 70 lbs</td>
<td>16” - 20”</td>
<td>Retriever</td>
</tr>
<tr>
<td>Large/XLarge</td>
<td>Three</td>
<td>95 - 120 lbs</td>
<td>20” - 28”</td>
<td>Shepherd</td>
</tr>
</tbody>
</table>

Product #8611
TechKewl™ PHASE CHANGE COOLING DOG PAD

- Great way to cool down your pet on a hot day
- Can provide 2-3 hours of cooling relief per activation
- Easy to activate, and durable
- Comfortable 100% cotton with thermal lining and black poly-cotton trim
- Comes with dog pad and set of TechKewl Phase Change Cooling inserts (8664)
- Size: One Size (19” x 36”)
- Color: Khaki
Product #6665
Cool Pax™ COOLING INSERTS
FOR TechKewl™ COOLING VESTS

- Safe, effective, and comfortable
- Use additional inserts for continuous relief
- Maintain a comfortable 58°F (14°C) for up to 3 hours
- Made from high strength polyurethane
- Include four (4) Phase Change Cooling Inserts per set
- Total Weight: 5 lbs ... for use with 6626, 6626L, 6626N, 6626HV, 6627

Product #6665EXT
Cool Pax™ COOLING INSERTS
with EXTENDED DURATION

- All the attributes of the 6665
- Maintain a comfortable 58°F (14°C) for up to 4 hours
- Weight: 7 lbs (3.2 kgs)

Product #6665V
Cool Pax™ COOLING INSERTS
FOR TechKewl™ COOLING VESTS
with HOOK AND LOOP STABILIZERS

- All the attributes of the 6665
- Plus hook and loop stabilizers to secure packs in place
- Maintain a comfortable 58°F (14°C) for up to 3 hours

Product #7065
Cool Pax™ COOLING INSERTS
FOR TechKewl™ COOLING VESTS
& Military HYBRID VESTS

- Safe, effective, and comfortable
- Use additional inserts for continuous relief
- Maintain a comfortable 58°F (14°C) for up to 3 hours
- Made from high strength polyurethane
- Include four (4) Phase Change Cooling Inserts per set
- Total Weight: 4 lbs ... for use with 4531, 7026, 7032, 7027, 6626 series, 6627

Product #7065V
Cool Pax™ COOLING INSERTS
FOR TechKewl™ COOLING VESTS
with HOOK AND LOOP STABILIZERS

- All the attributes of the 7065
- Plus hook and loop stabilizers to secure packs in place
- Maintain a comfortable 58°F (14°C) for up to 3 hours
Product #6667
Cool Pax™ COOLING INSERTS
FOR TechKewl™ COOLING VESTS
- Safe, effective, and comfortable
- Use additional inserts for continuous relief
- Maintain a comfortable 58°F (14°C) for up to 3 hours
- Made from high strength polyurethane
- Include two (2) Phase Change Cooling Inserts per set
- Total Weight: 6 lbs... for use with 6625

Product #6865
Cool Pax™ H2O COOLING INSERTS
FOR TechKewl™ COOLING VESTS
- Activated by placing in the freezer, use additional inserts for extended relief
- Water based Cooling Inserts maintain a temperature of 32°F (0°C) for up to one hour
- Include four (4) Water Based Cooling Inserts per set
- For Fire Resistant Vests (6826)
- Weight: 6 lbs (2.7 kgs)
**Product #6619 and 6661**

TechKewl™ PHASE CHANGE COOLING NECK BANDS

- Tie fasten, Cool Pax™ Phase Change Cooling inserts maintain a comfortable 58°F (14°C)
- 100% Cotton Carrier, Polyurethane Insert
- Colors: Blue, Khaki
- Size: Adult
- Include one (1) CoolPax™ Phase Change Cooling (6661)
- Use additional 6661 inserts for continuous relief from the heat
- 6661 inserts sealed in high strength polyurethane

**Product #6620 & 6662**

TechKewl™ PHASE CHANGE COOLING DELUXE NECK BANDS

- Hook and loop closure for a lower profile fit
- Cool Pax™ Phase Change Cooling inserts maintain a comfortable 58°F (14°C)
- 100% Cotton (excluding inserts)
- Colors: Blue, Khaki, Size: Adult
- Include one (1) CoolPax™ Phase Change Cooling Deluxe Neck Band Insert (6662)
- Use additional 6662 inserts for continuous relief from the heat
- 6662 inserts sealed in high strength polyurethane

**Product #6621 & 6663**

TechKewl™ PHASE CHANGE COOLING BROW COOLERS

- Hook and loop attaches easily to hard hat harness (hard hat not included)
- Cool Pax™ Phase Change Cooling Insert maintains a comfortable 58°F (14°C)
- 100% Cotton, Polyurethane Insert
- Color: Blue
- Size: Adult
- Include one (1) CoolPax™ Phase Change Cooling
- Brow Pad Insert (6663)
- Use additional 6663 inserts for continuous relief from the heat
- 6663 inserts sealed in high strength polyurethane

**Product #6622 & 6664**

TechKewl™ PHASE CHANGE COOLING CROWN COOLERS

- Hook and loop attaches to hard hat liner (hard hat not included)
- Cool Pax™ Phase Change Cooling Insert maintains a comfortable 58°F (14°C)
- Color: Blue
- Size: Adult
- Include one (1) CoolPax™ Phase Change Cooling
- Crown Cooler Insert (6664)
- Use additional 6664 inserts for continuous relief from the heat
- 6664 inserts sealed in high strength polyurethane
PHASE CHANGE COOLING ACCESSORIES

Product #6637
TechKewl™ PHASE CHANGE COOLING
UNIVERSAL PADS

- 6” x 6” (15.2 cm x 15.2 cm)
- Alternative to ice pack with no ice burn
- Cool Pax™ Phase Change Cooling pad maintains a comfortable 58°F (14°C)

Product #6638 & 6668
TechKewl™ PHASE CHANGE COOLING
COOLING BACK WRAPS

- Secure firmly and comfortably around your back
- Provide cooling relief to aches and pains
- Cool Pax™ Phase Change Cooling inserts maintain a comfortable 58°F (14°C)
- 100% Cotton Carrier
- Color: Blue
- Sizes: S/M, L/XL
- Include one back wrap with four (4) Cool Pax™ inserts per set
- Replacement insert set 6668

Product #6690 & 6691
TechKewl™ PHASE CHANGE COOLING
WHEEL CHAIR PADS

- Can be used as a seat cushion, back cushion or both
- Use additional inserts for continuous relief
- Cool Pax™ Phase Change Cooling inserts maintain a comfortable 58°F (14°C)
- Include one (1) cushion with two (2) Cool Pax™ inserts
How it Works

Weight Loss ... our 58°F (14°C) Cooling Vest stimulates Brown Adipose Tissue (Fat) causing the consumption of calories. According to research done by Harvard Medical School, Cooling Vests are a safe and effective way to burn extra calories and lose weight.

Performance Enhancement ... most people’s central organs, specifically the liver, kidneys, and intestines, rise above 101 degrees during exercise. When that happens, water and blood begin to leave your muscles and race to the skin in an attempt to cool you down. This depletes the muscles of oxygen and dehydrates them, causing fatigue. Yet while most athletes reach the 101 degree threshold after just 20 to 30 minutes of exercise, recent studies have shown that cooling beforehand can delay the process significantly.

Comfort ... Cooling Vests help keep athletes (and regular people) cool and comfortable when they exercise. This enables us all to work out harder and longer thus increasing the workout benefits.

How to Activate

TechKewl™ Phase Change Cooling inserts are activated in ice water or the freezer. They will re-charge in any environment where the temperature is below 58°F (14°C), simply place them in the ice water for freezer for 45 mins to ensure that they are solid all the way through. Please note that Phase Change Material solidifies from the outside in, so they may look solid after 15 mins but need the full 45 mins to be solid all the way through.

Who Uses This Technology ... any athlete or person managing their weight
Best Conditions for Use ... anywhere
How Are These Products Different ... keep the user at a fixed 58°F (14°C) for 2-3hrs. No airflow or water needed.
Key Product Benefits

3 important benefits when being exposed to 58°F (14°C) Cooling:

1) Stimulate Brown Fat = Burn Calories
2) Improve Athletic Performance = Keeps blood in the muscle
3) Cooling Comfort = work out in comfort

Academic Research Supporting These Claims

Cooling the body for Weight Loss

- 58°F (14°C) Cooling Vests reliably activate brown fat (Harvard Medical School)
- Activated Brown Fat boosts the rate at which we burn calories by 20% (New England Journal of Medicine)
- Activated Brown Fat may burn an extra 500 calories/day (Harvard Medical School)
- Three ounces of brown fat can burn several hundred calories/day (ObesityInAmerica.org)
- A substantial loss of fat is induced by a combination of exposure to cold and exercise (American Physiological Society)
- Brown adipose tissue is responsible for the successful defense of body temperature without shivering (American Journal of Physiology)
- Brown adipose tissue was visible in the neck, supraclavicular region, chest and abdomen under PET-CT scanning only after the subject was exposed to mild cold exposure (New England Journal of Medicine)
- Mild cold exposure can prevent increases in body weight (Obesity Journal)

Cooling the body for Athletic Performance

- KewlFit™ uses a specific temperature gradient that does not cause a vasoconstriction response. It uses 58°F (14°C) to maximize the amount of heat pulled from the body to moderate core body temperature. (Stacey Sims PhD, Exercise Physiologist and Thermoregulatory Specialist, Stanford University.)
- Athletes who pre-cool can perform at their highest level, 10 to 20 percent longer than those who don’t (Stanford University)
- Run time increased by 17% with pre-cooling (Medical Science Sports Exercise)
- After pre-cooling, less blood is sent to the skin, so more oxygen-rich blood goes to the muscles. (Running Times Magazine)
- Pre-cooling with a cooling vest allows more work to be performed before fatigue is reached (American Physiological Society)
- Pre-cooled athletes were able to sustain higher exercise intensity and provides a distinct thermal advantage for exercise (British Journal of Sports Medicine)
- After pre-cooling, subjects saw an increases in heat storage capacity and distance cycled (Charles Sturt University)
- Cooling Vests worn during active warm-up enhances performance & reduces thermal and cardiovascular strain (American Physiological Society)
- Pre-cooling allows a greater rate of heat storage, with the effect of reducing the rate of rise in core temperature (British Journal of Sports Medicine)
- Activation of thermogenesis through brown adipose tissue stimulation is an anti-obesity tool (Stockholm University)
- Brown adipose tissue, depending on its thermogenic activity, may contribute to the control of body fat metabolism in humans (Obesity Journal)
Product #6626F-PEV & 6626M-PEV
KewlFit™
PERFORMANCE ENHANCEMENT VESTS for FEMALE & MALE
- Front Zipper
- Adjustable side gusset for optimal fit on all body shapes
- 100% cotton vest - provides comfort & washability
- One Set of four Cool Pax™ inserts is included with each vest
- Colors: Black (Female), Black/Silver (Male)
- Sizes: XS/S, M/L, XL/XXL, XXXL/XXXXL, Custom
- Cooler insulated carrying bag included - helps keep Cool Pax™ colder longer
- Insert Compatibility: 7065V

Product #6698
KewlFit™
KEWLNECK COOLERS
- KewlNeck™ Insert and Strap for KewlFit™ Weight Management Cooling Vest
- Detachable device designed to stimulate brown adipose tissue using 58°F (14°C) targeted temperature
- Made from 100% Polyester stretch laminate allowing easy insert alignment/attachment/removal
- Include one (1) KewlNeck™ Carrier and one (1) KewlNeck Cool Pax™ insert
- Carrier Color: Black, Insert Color: Natural
- Size: Adult
PERFORMANCE & WEIGHT LOSS COOLING VESTS

Product #6626M-WMV & 6626F-WMV
KewlFit™
WEIGHT MANAGEMENT VESTS for FEMALE & MALE
- Front Zipper
- Adjustable side gusset for optimal fit on all body shapes
- 100% cotton vest - provides comfort & washability
- One Set of four Cool Pax™ inserts is included with each vest
- One KewlNeck™ - detachable device designed to stimulate brown adipose tissue at optimal 58°F (14°C)
- Colors: Black/Silver
- Sizes: XS/S, M/L, XL/XXL, XXXL/XXXXL, Custom
- Cooler insulated carrying bag included - helps keep Cool Pax colder longer
- Insert Compatibility: 7065V

Product #7065V
KewlFit™
COOL PAX™ COOLING INSERTS with HOOK AND LOOP STABILIZERS
- All the attributes of the 7065
- Plus hook and loop stabilizers to secure packs in place
- Maintain a comfortable 58°F (14°C) for up to 3 hours
- (7065V does not incl pictured bag)
How it Works

This vests combines the best of our HyperKewl™ Evaporative Cooling technology with the best of our TechKewl™ Phase Change Cooling Technology, for longer, more effective personal cooling. This modular system is great for underneath protective gear or in situations with limited airflow.

Simply activate the HyperKewl™ portion of the vest by soaking it in water for 2-3 mins. HyperKewl™ products utilize a unique polymer chemistry to achieve rapid absorption and stable water storage. Our patented HyperKewl™ formulation also creates enhanced evaporation.

Users can expect the HyperKewl™ evaporative cooling fabric to provide temperatures that are 15 - 20 degrees (F) cooler than the ambient temperature, depending on airflow.

Freeze the TechKewl™ Phase Change inserts (7065V) in ice water or the freezer for 45 mins and then place them in the mesh pockets inside the vest.

The combination of these two cooling technologies together means longer and more flexible cooling options.

Famous Users

List of Teams Currently Using TechNiche Cooling Vests

1. KTM Red Bull Factory Team (see image next page)
2. Honda World MX Team with Evgeny Bobryshev & Max Nagl. (see image next page)
3. Herock Motocross Team
5. Wim Vanderheyden
6. McLaren Formula 1 Team
7. Ferrari Formula 1 Team
8. Alex Tagliani, Indy Pole Winner
9. Team Saxo Bank, with Alberto Contador (Tour de France Winner, see image next page)
10. Dutch National Soccer Team 2010 World Cup Finalists (see image next page)
11. US Olympic Cycling Team with Lauren Tamayo
12. Military including US, Israeli, Dutch and French

Who Uses This Technology ... anyone who works or recreates in warm weather

How Are These Products Different ... these products combine two of our most popular cooling technologies to maximize flexibility of use, cooling duration and comfort.
HYBRID COOLING VESTS

Product #4531

HyperKewl™ & TechKewl™

HYBRID COOLING VESTS

- Front zipper closure with mesh ventilation and scoop neck
- Ideal for motocross riders, cyclists and any athlete working to improve performance and minimize the effects of heat fatigue and heat stress
- One set of 7065V Cool Pax™ inserts is included with each vest and one cooler bag
- Can provide several hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable quilted nylon outer with HyperKewl™ fabric inner, water repellent nylon liner and black poly-cotton trim
- Adult Sizes: S, M, L, XL, 2XL, 3XL, Custom
- Colors: Blue, Black, Silver, Custom

All Product # 4531 Hybrid Cooling Vests now come with a convenient cooler bag to help transport the vest as well as keep Cool Pax™ frozen.
Product #7026
HyperKewl™ & TechKewl™
MILITARY HYBRID COOLING VESTS
- Designed to work with the Interceptor™
  Outer Tactical Vest (OTV); unique “Buddy
  Swap” design for easy changing of inserts
  in the field
- Hook and loop girth adjustments for
  comfortable fit
- Hybrid cooling solution for ultimate
  relief; HyperKewl™ Evaporative Cooling fabric
  provides 5-10 hours of cooling relief
- Cool Pax™ Phase Change Cooling inserts maintain a
  comfortable 58°F (14°C) for up to 3 hrs
- Colors: Army ACU Digital and Marine Desert Digital
- Sizes: M, L, XL, 2XL
- Include one (1) set of Phase Change Cooling
  Military Inserts (7065)

Product #7027
HyperKewl™ & TechKewl™
MILITARY HYBRID COOLING VEST
WITH BUILT-IN HYDRATION SYSTEM
- All of the benefits of the 7026 plus a built in hydration system
- Essential cooling relief & personal, hands free hydration in one
  system
- Colors: Army ACU Digital and Marine Desert Digital
- Sizes: M, L, XL, 2XL
- Include one (1) set of Phase Change Cooling
  Military Inserts (7065) and Hydration Reservoir (6660)

Product #7032
HyperKewl™ & TechKewl™
MILITARY HYBRID COOLING VEST
WITH DETACHABLE SLEEVES
- All the benefits of the hybrid cooling Military Vest (7026)
  plus detachable sleeves with hook and loop length adjustments
  for a personalized fit; complete upper body cooling effect
- M, L Vests have 23.5” - 25.75” (59.7 cm - 65.4 cm) sleeves
  XL, 2XL Vests with 25.75” - 28.25” (65.4 cm - 71.7 cm) sleeves
**Product #7021**

HyperKewl™ **EVAPORATIVE COOLING BOONIE CAPS**

- Classic hat for many uses; provides 5 - 10 hours of cooling relief
- Comfortable, quilted nylon/cotton outer, with HyperKewl™ fabric inner and water repellent nylon liner, and fastener
- Colors: Army ACU Digital, Marine Desert Digital
- Sizes: S/M, L/XL, XXL/XXXL

**Product #7022**

HyperKewl™ **EVAPORATIVE COOLING MILITARY BEANIES**

- Comfortable and durable nylon/cotton outer, with HyperKewl™ fabric inner and water repellent nylon liner, and fastener
- Rear elastic adjustment panel ensures a comfortable fit for all
- Provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Colors: Army ACU Digital, Marine Desert Digital
- Size: Adult

**Product #7065 & #7065V**

**COOL PAX™ WITH STABILIZERS**

- Use additional inserts for extended relief
- Phase Change Cooling inserts maintain a comfortable 58°F (14°C) for up to 3 hours
- Include four (4) Phase Change Cooling Military Inserts per set
- For use with 7026, 7027, 7032, 4531, 6626 series

**Product #7022**

**MILITARY HELMET COOLING INSERT**

- Simple and effective heat stress relief; reusable, loop attachment affixes directly to underside of MICH helmet
- Phase Change Cooling inserts maintain a comfortable 58°F (14°C)
- Include one (1) Phase Change Cooling Insert
How it Works

KewlFlow™ products use a combination of ice water and pumps to push cold water through special tubes built into vests. This allows for a continuous flow of cool water around the upper body, keeping the user cool and comfortable in any condition.

The ice cooler or backpack that holds the ice and water can be easily refilled for continuous cooling over extended periods.

Our KewlFlow™ vest (6429) works with either the 6429B Back Pack or 6429C Cooler. Vests can be bought separately (6429) or in conjunction with the Back Pack (6429B) or Cooler (6429C).

How to Activate

Each vest, back pack or cooler comes with a detailed instruction guide. For best results, combine both water and ice in the container and turn on system to begin circulating the cool water.

Who Uses This Technology ...
anyone who works or recreates in warm weather

Best Conditions for Use ...
any climate

How Are These Products Different ...
stylish and portable

Product #6429
KewlFlow™ CIRCULATORY COOLING VESTS

- 100% Polyester Mesh with integrated circulatory tubing
- Zipper front with elastic girth adjustments
- Easy to use quick connectors allow for convenient operation
- Insulated tubing and manifolds enable maximum cooling
- Vest can be powered by portable back pack (6429B) or static cooler (6429C)
- Can operate with variable power sources (battery, 12V, 110AC)
- Color: Blue
- Sizes: S, M, L, XL, XXL
Prince Charles visits with an actor wearing our KewlFlow™ Circulatory Cooling Vest from The Hobbit: An Unexpected Journey movie.

**Product #6429B**
KewlFlow™ CIRCULATORY COOLING VESTS with BACKPACK

- 6429B includes 6429 Vest and Backpack
- 100% Nylon Back Pack with integrated water reservoir, pump, and power source
- Padded shoulder straps with variable sizing adjustments
- Insulated tubing and manifolds enable maximal cooling
- Easy to use quick connectors allow for convenient operation
- Can operate with variable power sources (battery, 12V, 110AC)
- Cooling Duration: Up to 3 hours
- Color: Black, Sizes: XS, S, M, L, XL, XXL
- Typical users include motorcyclists, welders, painters, and others requiring a portable cooling solution

**Product #6429C**
KewlFlow™ CIRCULATORY COOLING VESTS with COOLER

- 6429C includes 6429 Vest and Cooler
- 100% Nylon Carrying Case with spill proof inner cooler
- Unit includes water reservoir, pump, and power source
- Insulated tubing and manifolds enable maximal cooling
- Easy to use quick connectors allow for convenient operation
- Can operate with variable power sources (battery, 12V, 110AC)
- Cooling Duration: Up to 3 hours
- Color: Black, Size: 9 Quart Cooler
- Sizes: XS, S, M, L, XL, XXL
- Typical users include surgeons, motorcyclists, and others needing personal cooling relief
How it Works

Built around unique heating elements and powerful Lithium batteries, our IonGear™ Battery Powered Vests, Jackets and Gloves provide extended warmth and great value.

How to Activate

Who Uses This Technology ... anyone who works or recreates in cold weather
How Are These Products Different ... small powerful batteries keep system light weight and easy to use
**Battery Powered Heating Vest/Jacket Product Comparison**

<table>
<thead>
<tr>
<th>Feature</th>
<th>IonGear™ Vests/Jackets</th>
<th>Competing Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating Source</td>
<td>Flexible Carbon Fiber Elements</td>
<td>Simple Copper Wires or Other Basic Heating Elements</td>
</tr>
<tr>
<td>Battery Type</td>
<td>Li-Polymer, 4400 mAh Capacity</td>
<td>Li-Ion, NiMh or Other Low Capacity</td>
</tr>
<tr>
<td>Heating Duration</td>
<td>Up to 9 Hours</td>
<td>6 Hours or less</td>
</tr>
<tr>
<td>Battery Life Cycles</td>
<td>500 cycles</td>
<td>250 cycles</td>
</tr>
<tr>
<td>Apparel Design</td>
<td>Heating System can be removed from apparel for service or cleaning</td>
<td>Heating System Integrated Directly into Apparel</td>
</tr>
<tr>
<td>Component Design</td>
<td>Separate Heating Elements, Temp Controller and Battery</td>
<td>Heating Components Integrated</td>
</tr>
<tr>
<td>Power Source</td>
<td>Mobile AND Fixed</td>
<td>Mobile OR Fixed</td>
</tr>
</tbody>
</table>

**Battery Powered Heating Gloves Product Comparison**

<table>
<thead>
<tr>
<th>Feature</th>
<th>IonGear™ Gloves</th>
<th>Competing Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating Source</td>
<td>Coated Micro-Yarns Embedded in inner glove layers</td>
<td>Simple Copper Wires or Other Basic Heating Elements</td>
</tr>
<tr>
<td>Battery Type</td>
<td>Li-Ion, 2200 mAh Capacity</td>
<td>NiMh or Other Low Capacity</td>
</tr>
<tr>
<td>Heating Duration</td>
<td>Up to 10 Hours</td>
<td>8 Hours or less</td>
</tr>
<tr>
<td>Battery Life Cycles</td>
<td>500 cycles</td>
<td>250 cycles</td>
</tr>
<tr>
<td>Waterproof Design</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Heating Surface</td>
<td>Hand, AND Full Finger Coverage</td>
<td>Hands, Fingers OR Finger Tips</td>
</tr>
<tr>
<td>Temp Settings</td>
<td>4</td>
<td>3 or less</td>
</tr>
<tr>
<td>Performance</td>
<td>Heat Up Time: 30 seconds</td>
<td>Heat Up Time: 2 - 3 minutes</td>
</tr>
</tbody>
</table>

**Technical Features**

- Battery Powered Heating Technology
- Re-chargeable Battery
- Removable Heating System
- Adjustable Temperature Settings
- Warming Duration of 8+ Hrs
- Optional 12V Direct Connect Available
- Unisex Product Design
- Water-proof Fabric
- Wind-proof Fabric

**Key Product Benefits**

- IonGear™ systems focus on portability, you do not have to be connected to a vehicle battery system.
- If needed, IonGear™ Vests and Jackets can use 12V power systems using our 12V Direct Connect Converter (sold separately).
- All products have multiple temperature settings and come with re-chargeable Lithium battery systems. This ensures you control your own temperature.
- Our heating systems are deployed inside high quality garments that are both wind and waterproof.
- Each system comes with a detailed instruction guide that allows users to quickly and easily understand how the systems work.
- All IonGear™ products are designed to be used in a wide variety of settings work, recreation, powersports and other activities.
Product #5627 & 5665
IonGear™ BATTERY POWERED HEATING VESTS

- High collar, handy zippered front pockets, elastic cord at bottom and zipper closure
- Wind and rain repellent softshell barrier fleece
- Color: Black
- Sizes: XS, S, M, L, XL, 2XL, 3XL
- Include vest, removable heating elements, Polymer Li-Ion battery, controller, and charger
- Converter kit (5698) for direct attachment to 12V battery also available (see page 51)
- For extended use purchase additional 5665 battery

Product #5690
IonGear™ BATTERY POWERED HEATING JACKETS

- High collar, handy zippered front pockets, elastic cord at bottom and zipper closure
- Wind and rain repellent softshell barrier fleece
- Color: Black
- Sizes: XS, S, M, L, XL, 2XL, 3XL
- Include jacket, removable heating elements, Polymer Li-Ion battery, controller, and charger
- Converter kit (5698) for direct attachment to 12V battery also available (see page 51)
- For extended use purchase additional 5665 battery

ALL VESTS AND JACKETS ARE SHIPPED IN A DURABLE IONGEAR™ RETAIL BOX WITH UPC AND PRODUCT DESCRIPTION
Product #5637 & 5635
IonGear™ BATTERY POWERED HEATING GLOVES
- Heating elements built into gloves and woven through fabric so you cannot feel any wiring
- Elements extend along entire finger & back of hand for full hand coverage
- One battery per glove; each battery has multi-level temperature controller
- Sizes: S/M and L/XL
- Color: Black with Silver Retroreflective Piping
- Include: Sport Gloves (pair), Batteries (pair), Charger and carrying/storage bag

Product #5698
IonGear™
12V DIRECT CONNECT CONVERTER FOR VESTS AND JACKETS
- Can be used with the 5627 Vest and 5690 Jacket
- Allows IonGear™ Battery Powered Heating System to connect directly to any 12V battery
- Includes converter with temperature control, direct connect wiring and fasteners
- Installs quickly and easily
How it Works

Heat Pax™ warmers are made up of a combination of iron, activated carbon, cellulose, vermiculite, water and salt. These ingredients are wrapped in a container that keeps any oxygen from interacting with the ingredients inside the warmer.

Heat Pax™ warmers generate heat through a chemical reaction when these ingredients are combined with air. When the warmer is unwrapped, oxygen is allowed to mingle with the ingredients inside the warmer. When the oxygen hits the iron in the warmer, it causes the iron to oxidize. The chemical reaction releases energy in the form of heat, the salt acts as a catalyst, the carbon works as a dispersant agent and the vermiculite works to insulate the warmer and prevent the heat from escaping too quickly.

How to Activate Heat Pax™

To activate our Heat Pax™ Air Activated Warmers simply tear open the package and remove the Heat Pax™. Insert the Heat Pax™ warmer into a pocket or your footwear. Wait 10 - 15 mins for the Heat Pax™ warmer to heat up and enjoy comfortable warmth for hours.

It is important to note that Heat Pax™ can be “shut off” by sealing the warmer in an air-tight bag. The Heat Pax™ can be re-activated by opening the bag and re-exposing it to the air.

Who Uses This Technology ... anyone who works or recreates in cold weather
How Are These Products Different ... they provide a low cost and effective heating solution under cold conditions.
Technical **Features**

- Air Activated Warming Technology
- 24+ Hour Warming
- 8+ Hour Warming
- 6+ Hour Warming
- Unisex Product Design
- Water-proof Fabric
- Wind-proof Fabric

**Key Product Benefits**

- Simple and easy to use, no shaking or pre-heating required, non-toxic
- Targeted heat relief for people working or playing in cold temperatures
- Heat Pax™ Warmers will warm your Body, Hands or Toes for several hours
- ThermaFur™ Apparel and Accessories allows users to warm specific regions of the body including head, ears, neck, torso and our blanket allows complete body coverage
- Natural, heat generating exothermic reaction
- Ingredients stored in soft, flexible packs
- TechNiche International provides bilingual packaging
- Heating can be suspended at any time by resealing the inserts in an airtight container
- Use across multiple days
- Cost-effective protection from the cold

**Merchandising Support**

![Heat Pax Merchandising](image-url)
Product #5540, 5541, 5542
Heat Pax™ AIR ACTIVATED BODY WARMERS
- Simple and easy to use
- Works great in our ThermaFur™ Vests, Neckwear, Blankets, Backwraps and Seat Cushions
- Generates over 24+ hours of warmth
- Heating can be suspended at any time by resealing the inserts in an airtight container
- Insert Size: 3.5” x 5” (8.9 cm x 12.7 cm)
- Available in 40 unit Display Cases (6.9 lbs., 3.2 kg) and 240 unit Bulk Cases (43.0 lbs., 19.5 kg)

Product #5550, 5551, 5552
Heat Pax™ AIR ACTIVATED MINI/HAND WARMERS
- Ideal size for our Headwear and Gloves
- Generates over 8+ hours of warmth
- Heating can be suspended at any time by resealing the inserts in an airtight container
- Insert Size: 2” x 3.5” (5.1 cm x 8.9 cm)
- Available in 40 pair Display Cases (5.6 lbs., 2.5 kg) and 240 pair Bulk Cases (35.0 lbs., 15.9 kg)

Product #5570, 5571, 5572
Heat Pax™ AIR ACTIVATED ADHESIVE TOE WARMERS
- Thin design fits comfortably inside most footwear; adhesive backing ensures warmer stays in place
- Generates up to 6+ hours of warmth
- Heating can be suspended at any time by resealing the inserts in an airtight container
- Insert Size: 2.75” x 4” (7.0 cm x 10.2 cm)
- Available in 40 pair Display Cases (3.5 lbs., 1.6 kg) and 240 pair Bulk Cases (23.0 lbs., 10.4 kg)
Product #5529

ThermaFur™ AIR ACTIVATED HEATING VESTS

- High collar, handy zippered front pockets, adjustable elastic cord at bottom and zipper closure; delivers additional coverage and protection where you need it most
- 5527-M is our military version and is available in both Army and Marine digital camo patterns
- 5529’s have black softshell upper and soft durable, 100% poly-fleece bottom to help hold in heat, with black poly-cotton elastic trim & a total of eight (8) built-in HEAT PAX™ Body Warmer pockets
- Colors: Black/Black, Royal Blue/Black and Khaki/Black
- Sizes: S, M, L, XL, 2XL, 3XL
- Include eight (8) HEAT PAX™ Body Warmers (5540) that deliver steady, comfortable heat to your torso for 24+ hours.
Product #55295
ThermaFur™ AIR ACTIVATED HEATING VESTS

- High collar, handy zippered front pockets, adjustable elastic cord at bottom and zipper closure; delivers additional coverage and protection where you need it most
- 100% Black softshell vest to help hold in heat, with black poly-cotton elastic trim & a total of eight (8) built-in HEAT PAX™ Body Warmer pockets
- Color: Black
- Sizes: XS, S, M, L, XL, 2XL, 3XL
- Include eight (8) Heat Pax™ Body Warmers (5540) that deliver steady, comfortable heat to your torso for 24+ hours.

Product #5590
ThermaFur™ AIR ACTIVATED HEATING JACKETS

- High collar, handy zippered front pockets, adjustable elastic cord at bottom and zipper closure; delivers additional coverage and protection where you need it most
- 100% Black softshell jacket to help hold in heat, with black poly-cotton elastic trim & a total of eight (8) built-in HEAT PAX™ Body Warmer pockets
- Color: Black/Black
- Sizes: XS, S, M, L, XL, 2XL, 3XL
- Include eight (8) Heat Pax™ Body Warmers (5540) that deliver steady, comfortable heat to your torso for 24+ hours.

Product #5519
ThermaFur™ AIR ACTIVATED HEATING SCARVES

- Keep your head and neck protected from the cold
- Soft durable, 100% poly-fleece with black cotton-poly elastic trim for snug fit, and built-in HEAT PAX™ Body Warmer pockets
- Colors: Black, Khaki
- Size: Adult
- Include three (3) Heat Pax™ Body Warmers (5540) that deliver steady, comfortable heat for 24+ hours
Product #5535
ThermaFur™ AIR ACTIVATED HEATING SPORT GLOVES

- Waterproof outer with traction grips on palms, index finger, and thumbs; snug fitting cuffs keep the heat where it’s needed
- Ideal for outdoor recreational activities
- Comes with “dual pocket system”; two options for customized placement of HEAT PAX™ Hand Warmer
- Breathable interior lining creates maximum comfort
- Color: Black
- Sizes: M/L, L/XL
- Include one (1) pair of Heat Pax™ Hand Warmers
- Hand Warmers (5550) that deliver 8+ hours of heat

Product #5537
ThermaFur™ AIR ACTIVATED HEATING FLEECE GLOVES

- Traction grips on palms, index finger, and thumbs; snug fitting cuffs keep out the cold
- Soft, durable 100% poly-fleece and one (1) built-in Hand Warmer pocket on the back of each glove
- Color: Black
- Sizes: S, M, L
- Include one (1) pair of Heat Pax™ Hand Warmers
- Hand Warmers (5550) that deliver 8+ hours of heat

Product #5526
ThermaFur™ AIR ACTIVATED HEATING BALACLAVAS

- Keep your head and neck protected from the cold using this multi-configuration balaclava
- Wear it as a neck warmer, face mask, hood or hood with mask depending on the temperature and your needs
- Soft durable, 100% poly-fleece with black cotton-poly elastic trim for snug fit, and built-in HEAT PAX™ Mini Warmer pockets
- Color: Black
- Size: Adult
- Include one (1) pair of Heat Pax™ Mini/Hand Warmers
Product #5521
ThermaFur™ AIR ACTIVATED HEATING WINTER LINERS
- Keep your head and neck protected from the cold; attaches directly to hard hats (not included)
- Soft, durable, 100% poly-fleece with black cotton-poly elastic trim for snug fit, hook and loop closure and hard hat attachment, and built-in Heat Pax™ mini warmer pockets over ears
- Include one (1) pair Heat Pax™ Mini Warmers (5550) that deliver steady, comfortable heat for 8+ hours
- Size: Adult
- Color: Black

Product #5522S
ThermaFur™ AIR ACTIVATED HEATING NECK WARMERS
- 100% Softshell (as per image) with black cotton-poly elastic trim and rear hook and loop closure
- Designed for a snug fit and to hold Heat Pax™ Mini Warmers (hood not included)
- Color: Black
- Size: Adult
- Include one (1) pair Heat Pax™ Mini Warmers (5550) that deliver steady, comfortable heat for 8+ hours

Product #5523S
ThermaFur™ AIR ACTIVATED HEATING EAR BANDS
- Softshell outer poly-fleece with black cotton-poly elastic trim and an internal elastic strap for a snug fit
- Designed to hold Heat Pax™ Mini Warmers
- Color: Black
- Size: S/M, L/XL, 2X/3X
- Include one (1) pair Heat Pax™ Mini Warmers (5550)

Product #5525
ThermaFur™ AIR ACTIVATED HEATING CAPS
- Soft, durable, 100% polyester softshell with zippered ear flaps designed to hold Heat Pax™ Mini Warmers
- Hook and loop adjustments on back to ensure snug fit
- Color: Black
- Size: Adult
- Include one (1) pair Heat Pax™ Mini Warmers (5550) that deliver steady, comfortable heat for 8+ hours
AIR ACTIVATED WARMING ACCESSORIES

Product #5511
ThermaFur™ AIR ACTIVATED
HEATING STADIUM BLANKETS

- Keep two people warm at sporting events; excellent winter emergency blanket to keep on hand in your vehicle
- Soft, durable 100% poly-fleece with eight (8) built-in Heat Pax™ Body Warmer pockets strategically placed for maximum warmth distribution
- Colors: Black, Blue
- Size: 4' x 6' (1.2mx1.8m)
- Include eight (8) Heat Pax™ Body Warmers (5540) that deliver 20+ hours of heat

Product #5538
ThermaFur™ AIR ACTIVATED
HEATING BACK WRAPS

- Therapeutic relief for backaches and tension
- Soft, durable, 100% poly-fleece with black cotton-poly elastic trim, broad hook and loop attachment for comfortable and secure fit, and four (4) built-in Body Warmers pockets
- Color: Black
- Sizes: S/M, L/XL
- Include four (4) Heat Pax™ Body Warmers (5540) that deliver steady, comfortable heat for 20+ hours

Product #9511
ThermaFur™ AIR ACTIVATED
HEATING DOG PADS

- 100% polyester softshell fleece creates a water and wind proof pad/mat for your canine
- Ideal for cold winter days, activates quickly and will last for hours
- Color: Black, Sizes: XS, S, M, L, XL, XXL
- Include Heat Pax™ Warmers (quantities vary with size)

<table>
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<tr>
<th>Heating Coat Size</th>
<th>Heating Pad Size</th>
<th>Approx Dog Weight</th>
<th>Back Measurement</th>
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<tr>
<td>XSmall</td>
<td>15&quot; x 20&quot;</td>
<td>10 lbs</td>
<td>up to 8&quot;</td>
<td>Miniature</td>
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<tr>
<td>Small</td>
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<td>Medium</td>
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<td>13&quot; - 16&quot;</td>
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<td>Large</td>
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<td>XLarge</td>
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<td>XXLarge</td>
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<td>25&quot; - 30&quot;</td>
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Product #9529
ThermaFur™ AIR ACTIVATED
HEATING DOG COATS

- 100% polyester barrier fleece creates a water and wind proof garment for your canine
- Ideal for cold winter days, activates quickly and will last for hours
- Color: Black, Sizes: XS, S, M, L, XL, XXL
- Include Heat Pax™ Warmers (quantities vary with size)
Like all innovative companies, TechNiche International is always working to improve our current products and introduce exciting new products. Sometimes the ideas come from within our company, but more often than not, our customers provide us with suggestions on ways to improve/enhance/tweak our products, packaging and new offerings. The important part is to listen closely to user feedback, focus on our commitment to continuous improvement and act on ideas.

Below are just a few of the innovations we are currently working on ...
In addition to the finished goods outlined in this product catalog, we also sell HyperKewl™ fabric so that other companies can take advantage of our Evaporative Cooling technology. HyperKewl™ fabric is sold in three different configurations:

**Option #1: Raw Fabric**

*Description:* Our HyperKewl™ fabric is available in its “raw” form in rolls of 375m. The goods will come in a 22” wide roll with 350 - 400 yards per roll. We will be happy to provide guidance to customers on how best to utilize our HyperKewl™ Fabric in their products.

**Option #2: Quilted Fabric from TechNiche International’s Stock**

*Description:* Our HyperKewl™ fabric can be purchased as quilted material directly from TechNiche International’s stock of fabrics and colors. The goods will come in a 60” wide roll with 50 - 100 yards per roll. Minimum order quantities do apply.

**Option #3: Custom Quilted Fabric**

*Description:* Our HyperKewl™ fabric can be quilted inside the customers preferred fabrics and/or colors. The goods will come in a 60” wide roll with 50 - 100 yards per roll. We will be happy to provide guidance to customers on which fabrics help to maximize the performance of the HyperKewl™ fabric. Minimum order quantities do apply.
MERCHANDISING SUPPORT

TechNiche International offers two main POS displays and a variety of new packaging to assist in the merchandising of our products in retail locations. We customize each display for the particular market, (eg. Industrial Safety, Powersports, Pets and Equine, etc) thereby allowing our customers to have a unique product stand tailored to their needs. Our new packaging initiatives will also help retailers to better display our products and drive sales.

**TOWER DISPLAY**
- Solid black metal construction
- Rests on base with wheels for easy movement & 360 degree presentation of products
- Comes with 8 hooks for hanging products & four locking wheels at base
- Includes customized display poster
- Base: 19.5” x 19.5”
- Height: 65”

**COUNTER TOP DISPLAY**
- Solid black metal construction
- Rests on metal base
- Comes with 6 hooks for hanging products on grid
- Includes mini display poster
- Base: 16” x 16”
- Height: 24”

**NEW PACKAGING**
Manufacturing today is not simply about producing a product and shipping it. The demands placed on Distributors, Wholesalers, Dealers, Resellers and others by the market require a broader range of services from their manufacturers, if they are to succeed. We have heard what our reselling partners have said, we have seen what they need, and we have developed a range of services to help make you more competitive.

PRIVATE LABEL / OEM
We can place your label on our products. This enables you to sell them under your name and enhance customer retention.

PRODUCT CUSTOMIZATION
Design your own products with our Cooling and Heating technology. Custom designs, sizes, colors and styles are available.

WAREHOUSING
If you want to take advantage of our large volume purchasing discounts and do not have the storage space to hold the items, we can warehouse them for you and drop ship the items.

DROP SHIPMENTS
No storage or stock needed when you take advantage of our drop shipment program. We offer both domestic and international drop shipment programs.

ADVERTISING CO-OP PROGRAMS
We will work with you to develop customized marketing programs suited to your unique markets. We have experience in both digital and print media.

FRANCHISE / SMALL BUSINESS / TURNKEY
We can help you start a business. Whether it is a physical store or e-commerce website, we have a program that can get you up and running quickly and economically.

DEALER / DISTRIBUTOR SUPPORT PROGRAMS
We are working to make you successful and will customize support programs to help you achieve success.

PRODUCT KNOWLEDGE TRAINING PROGRAMS
We will train your staff on our products to help improve your sales opportunities.

MILITARY SUPPORT PROGRAMS
TechNiche International is proud to support the men and women of the US Military. We have a wide variety of procurement, discount and donation programs aimed at getting our climate control products to military personnel deployed throughout the world.
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