



TECHNICHE

PERFORMANCE. SAFETY. COMFORT.



TECHNICHE

PERFORMANCE. SAFETY. COMFORT.

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PRODUCT CATALOG



WELCOME

At TechNiche we design, manufacture and distribute products that enhance PERFORMANCE, improve SAFETY and increase COMFORT. We work hard every day to offer our customers innovative technologies that positively impact their lives. Whether you are at work or just having fun, our products can help you achieve your goals.

We want to take this time to thank our customers, our suppliers and other strategic partners for their continued support. Your suggestions and feedback have allowed us to improve our products and grow our business. As we research exciting new personal cooling and heating technologies, we hope that you will continue to partner with us and help drive us forward.



WHAT'S NEW

NEXT GENERATION...

POWERED BY

HYPERKEWL™ PLUS

TechNiche is proud to announce the Next Generation in Cooling...

HyperKewl™ Plus

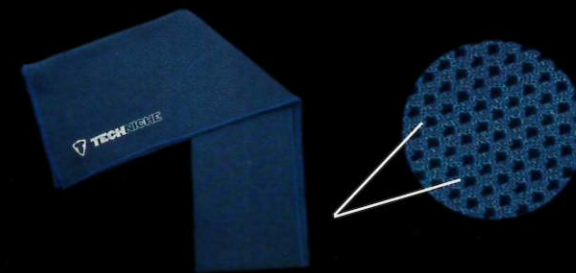
Our Patented Cooling Technology that is used across the world will

now be Washable!

Launching in Summer 2019



Kewl Towel ULTRA



New Packaging- Launching in Summer



New Hi-Vizability Cooling Accessories (6519, 6536 6522 & 6573)



TABLE OF CONTENTS

TechNiche International Brands	2
Users and Brand Ambassadors	3
TechNiche Technologies	4-5
<hr/>	
TechNiche Evaporative Cooling Powered by HyperKewl™	
Technology Overview	6
Cooling Vests	8-13
Camo Cooling Vests & Accessories	14-15
Hi-Visibility Cooling Vests & Accessories	16-17
Cooling Neckwear & Accessories	18-19
Cooling Headwear & Accessories	20-21
Canine & Equestrian Cooling Products	22-23
<hr/>	
TechNiche Evaporative Cooling Powered by Kewl Towel™	
Technology Overview	24
Cooling Towels	25
<hr/>	
TechNiche Phase Change Cooling Powered by CoolPax™	
Technology Overview	26-29
Cooling Vests	30-33
Cool Pax™	34
Canine Cooling Products	35
Cooling Accessories	36-37
Performance Enhancement Vests & Accessories	38-39
<hr/>	
TechNiche Hybrid Cooling Vest Powered by CoolPax™ and HyperKewl™	
Technology Overview	40
Cooling Vests	41
<hr/>	
TechNiche Circulatory Cooling Systems Powered by KewlFlow™	
H2O Cooling Systems	42-43

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COOLPAX™

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KEWLFLOW™

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KEWLTOWEL™

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TABLE OF CONTENTS

<hr/>	
TechNiche Battery Powered Heating Powered IonGear™	
Technology Overview	44-45
Warming Vests & Jackets	47
Warming Gloves	47
<hr/>	
TechNiche Air Activated Heating Powered by HeatPax™	
Technology Overview	48-49
Body, Hand & Toe Warmers	50
Warming Vests & Jackets	51-52
Warming Accessories	52-54
Warming Canine Products	55
<hr/>	
Merchandising Support	56
Value Added Services & Fabric	57
Product Index	58-59
Contact Information	Back Cover

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HEATPAX™

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IONGEAR™

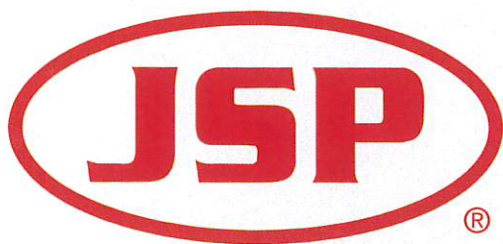
WHO USES OUR TECHNOLOGY ...



اللجنة العليا
للمشاريع واليرث
Supreme Committee
for Delivery & Legacy



that was easy.sm



SAN DIEGO 200
SAFARI
PARK



BIKER FASHION



BRAND AMBASSADORS...



TREK TOUR DE FRANCE 2016



KCMG FORMULA 1



LUKE FELDMAN
AUSTRALIAN CRICKETER



SEBASTIAN VETTEL
FORMULA ONE DRIVER FOR SCUDERIA FERRARI



WOMENS FIELD HOCKEY



MARKEL IRIZAR & GREGORY RAST



US CYCLING TEAM

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HYPERKEWL™ PLUS

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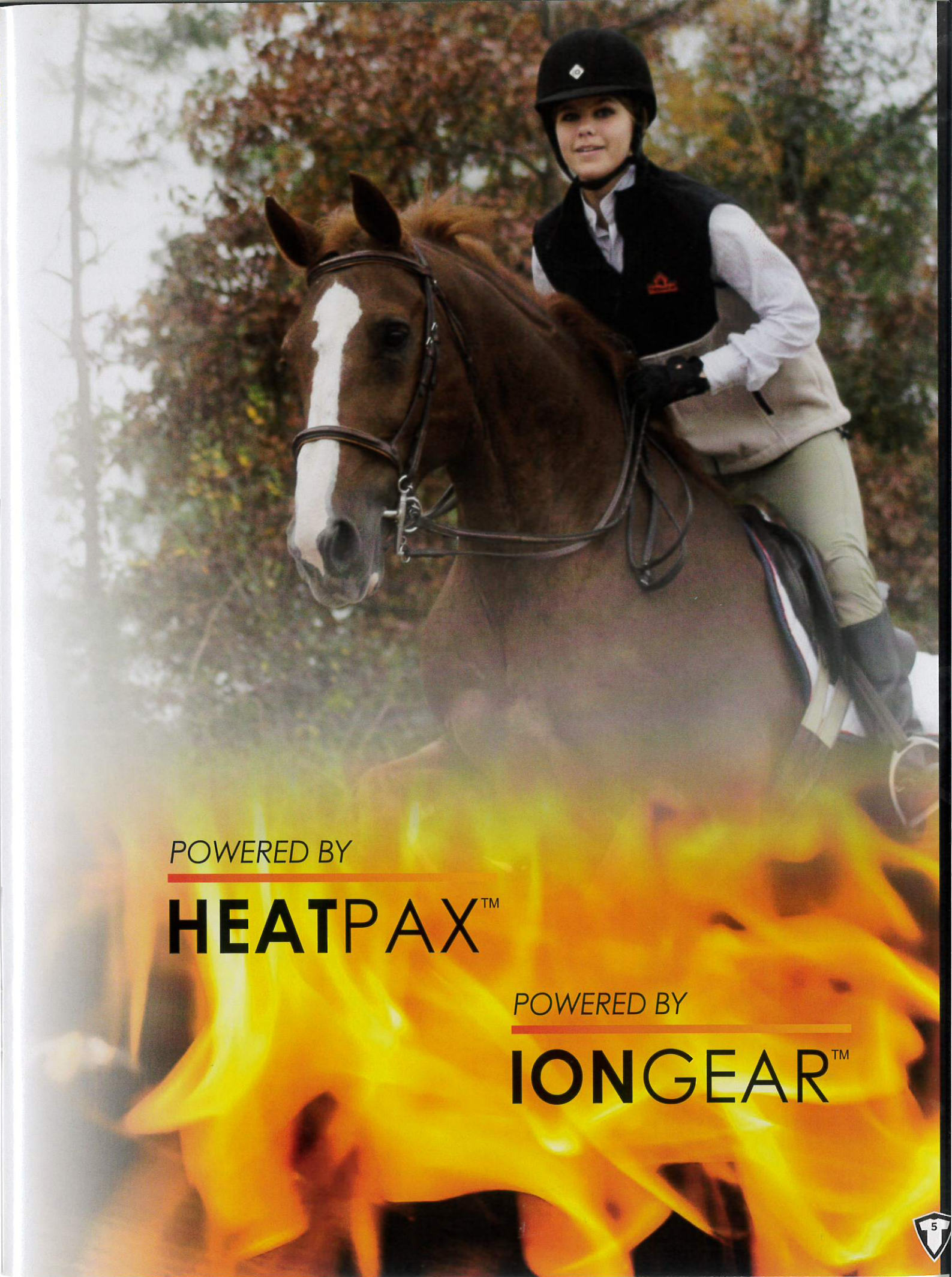


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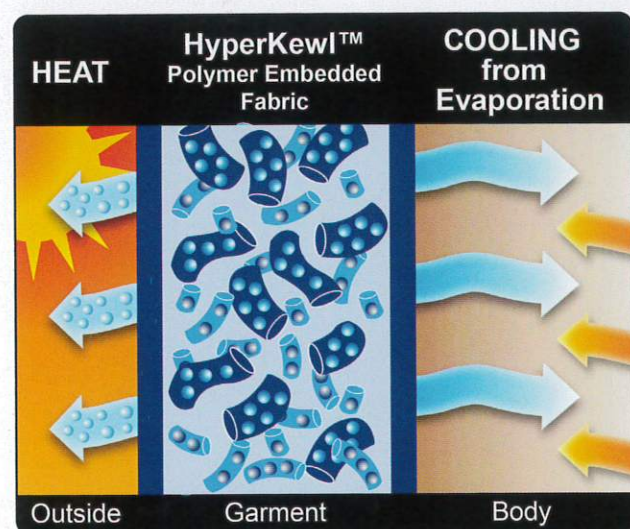
EVAPORATIVE COOLING Technology

How it Works

TechNiche Evaporative Cooling Products Powered by HyperKewl™ utilize a unique 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 a hang tag and a care label that fully explains how best to use the product and care for the product.



How to Activate

To activate our TechNiche cooling products powered by HyperKewl™, 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 repeating these simple steps.

Our combination of specialized fabrics and fibers creates an advanced water management system that we call HyperKewl™. Our unique HyperKewl™ fabric absorbs, stores and releases water within the multi-layered structure. Water is "released" through evaporation, energy is consumed, and a chill effect is created. Our HyperKewl™ fabric actually cools the body exactly the same way the body cools itself ... through evaporation. We simply supercharge the body's natural cooling process.

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.

STEP 1:



STEP 2:



STEP 3:



Intellectual Property
U.S. Patent Application
16003291

Evaporative Cooling Product Comparison

Polymer Crystals	Diaper Core Fabrics	HyperKewl™ Plus Evaporative Cooling Fabric
No	No	Yes (In Process)
Basic Fluid Retention	Human Fluid Retention	Water Management System for Personal Cooling Products
Poor	Poor	Excellent
Submerge in Water 10 - 20 minutes	Submerge in Water 10 secs - 5 minutes	Submerge in Water 1 - 2 minutes
Moderate	High	Low
Sausage like swelling, bulky feel	Thick, heavy, uneven fabric, bulky feel	Uniform hydration with optimal weight-performance ratio
No	No	Yes
No	No	Yes
No	No	Yes
25	10	150+
No	No	Yes

- 1) Patented Technology
- 2) Intended Use
- 3) Cooling Performance
- 4) Activation Instructions
- 5) Risk of Over Hydrating
- 6) Appearance & Fit
- 7) Anti-Polymer Migration Design
- 8) Utilizes Absorbent Fiber Matrix
- 9) Uses Super Absorbent Fibers
- 10) Practical # Wet/Dry Cycles
- 11) Machine Washable

Technical Features

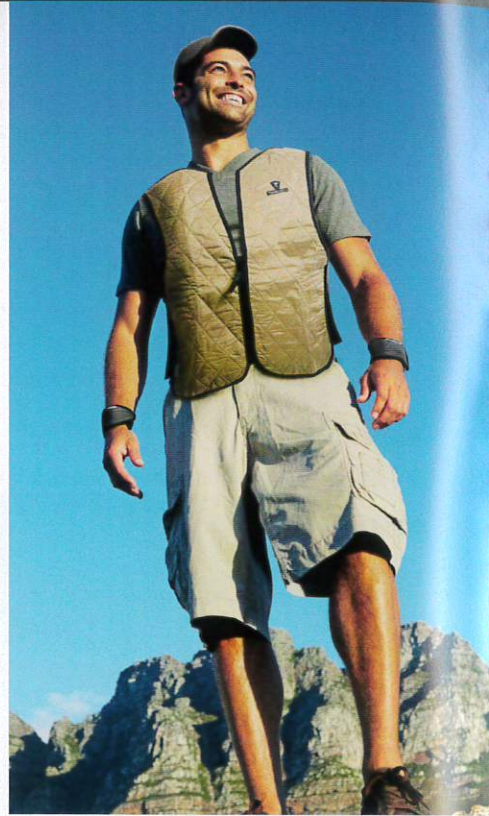
-  Evaporative Cooling Technology
-  Requires Exposure to Air Flow
-  Best Conditions = Dry Heat
-  Unisex Product Design
-  Female Specific Product Design
-  Product Includes High Visibility Fabric
-  Product is ANSI Class II Compliant
-  Fire Resistant Version Available
-  Machine Washable Fabrics

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

POWERED BY

HYPERKEWL™



EVAPORATIVE COOLING VESTS

MAJOR STUDIES PROVE THE POSITIVE IMPACT OF USING A TECHNICHE COOLING VEST

TechNiche has completed three critical studies this year on the impact of our HyperKewl™ products. Two studies were completed by SGS and one study was completed by the University of Hertfordshire.

SGS Study- UVF Rating on Three Layer HyperKewl™ Fabric

This study found that the three layer HyperKewl fabric provides a UVF Rating of 50 plus.

SGS Study on the Cooling Capacity of HyperKewl™ Fabric

This study determined that HyperKewl's cooling capacity is 0.231 W/cm²

If you consider this in terms of BTU/hr that is the equivalent of up to 2200 BTU/hr of cooling capacity with our 6529 style vest. Small air conditioners provide 6000 BTU/hr of cooling capacity.

You can't run with a small air conditioner strapped to your back!

You can run wearing a TechNiche Cooling Vest Powered by HyperKewl™!

The University of Hertfordshire Studies the Impact of Wearing a TechNiche Cooling Vest on a 40km Time Trial

Four key findings came out of this study:

1. **Performance** improved by 5.56% when wearing a TechNiche Cooling Vest.
2. The mean body temperature was found to be significantly lower when wearing a TechNiche Cooling Vest, helping to avoid heat stress and improving the users **Safety**.
3. The mean power output was found to be significantly greater when wearing a TechNiche Cooling Vest.
4. Study participants felt more alert, and more **Comfortable** when wearing a TechNiche Cooling Vest during the time trial.



Product #6529 TechNiche EVAPORATIVE COOLING SPORT VEST

Powered by HyperKewl™Plus

- 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: Blue, Silver, Black, Hi-Viz Lime, Pink, Khaki, Real Tree, Fire Resistant HiViz Orange
- Child Sizes: 5-6 Years Old, 7-9 Years Old, 10-12 Years Old
- Child Colors: Blue, Silver, Black



Product #6531 TechNiche EVAPORATIVE COOLING ULTRA SPORT VEST

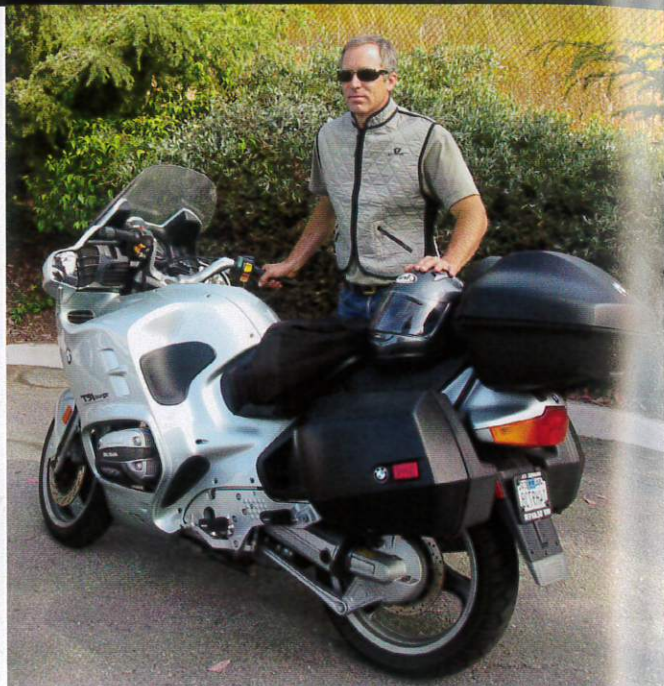
Powered by HyperKewl™Plus

- 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: Black/Silver, Silver/Silver, Blue/Silver



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EVAPORATIVE COOLING VESTS



BACK CINCH VIEW



Product #6530

TechNiche EVAPORATIVE COOLING DELUXE SPORT VEST

Powered by HyperKewl™Plus

- 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: Blue, Black, Silver

**NEW
PACKAGING**



BLUE

BLACK

SILVER



Product #6530F

TechNiche EVAPORATIVE COOLING FEMALE DELUXE SPORT VEST

Powered by HyperKewl™Plus

- 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
- Colors: Blue, Black, Silver, Khaki

**NEW
PACKAGING**



BLUE

BLACK

SILVER

KHAKI

