

TECHTEMP



Temperature Controlled Apparel



CODE: 6201
KEWLSHIRT™

EVAPORATIVE COOLING
TECHNOLOGY PROVIDES
10/14°C COOLING

BREATHABLE
MESH

WEAR AGAINST
SKIN FOR MAXIMUM
COOLING EFFECT

SPANDEX
FOR COMFORT

TRADITIONAL TANK TOP
STYLING: LIGHTWEIGHT,
COMFORTABLE AND DURABLE

TARGET
CORE BODY

REDUCE CORE
BODY TEMPERATURE
BY UP TO 10°C

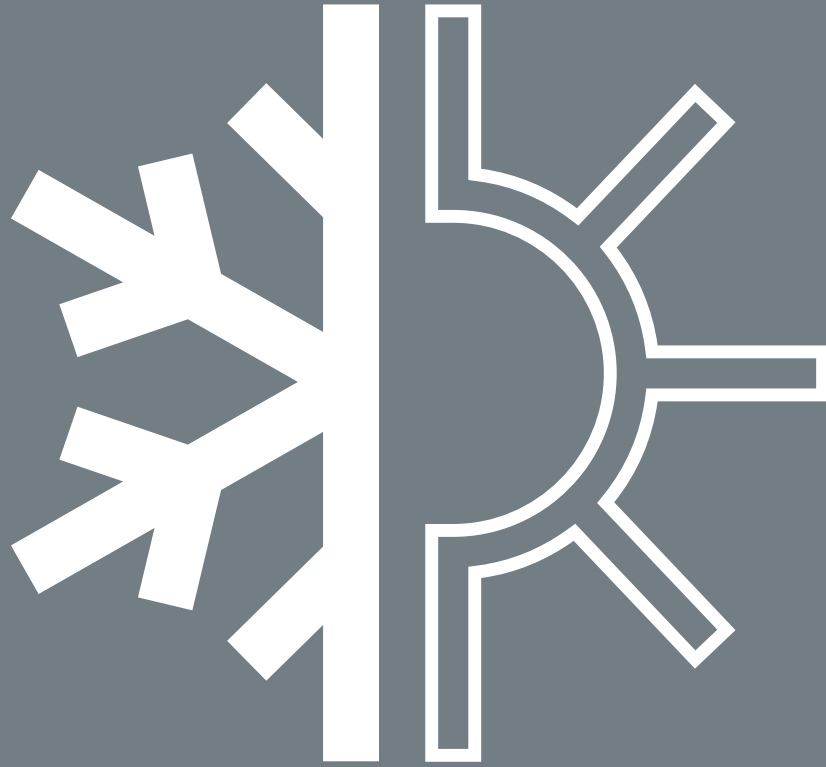
HYPERKEWL™
PLUS FABRIC
TECHNOLOGY

SOAK IN WATER
FOR 5-10 HOURS
OF COOLING POWER

MACHINE
WASHABLE

EASY TO CLEAN
IN 60°C CYCLE

COLOUR: BLACK WITH MULTIPLE ACCENT STRIPING:
BLACK/BLUE, BLACK/SILVER, BLACK/TEAL, BLACK/YELLOW
SIZES: XS, S, M, L, XL, 2XL, 3XL, CUSTOM



**TechTemp are the Australasian distributors for
TechNiche – a range of heating and cooling
workwear technology.**

**We have a wide range of innovative cooling & warming
products designed for all kinds of applications.**

TechNiche products are global leaders and are distributed in over 50 countries worldwide with distribution centres in the US, Europe, Asia, Middle East, Australasia and the UK.

www.techtemp.com

OUR TECHNOLOGY RANGES

Our range of cooling and warming technologies are versatile, low cost and have extraordinary capabilities. They keep you cool or warm, whatever the environment throws at you.

HYPERKEWL™

Evaporative Cooling
Perfect for cooling the body



Simply soak in water to activate for 5-10 hours of cooling power

COOLPAX™

Phase Change Cooling
Constant 14°C cooling



Insert into a freezer or ice water for 30 mins. 14°C cooling power for 2-3 hours

HYBRID

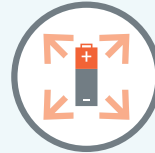
Evaporative Cooling & Phase Change Cooling



Constant 14°C for 2-3 hours extended with 5-10 hours evaporative cooling power

IONGEAR™

Battery-Powered Warming
Rechargeable Lithium Ion



Flexible carbon heating elements with three warming settings: 40, 50 & 60°C

HEATPAX™

Air-Activated Warming Inserts



Simply remove from packaging to activate a constant 57°C for 6-24 hours

POWERED BY

HYPERKEWL PLUS

HYPERKEWL

COOLPAX

KEWLFLOW

HEATPAX

IONGEAR

TARGET HEAT STRESS WITH OUR COOLING WORKWEAR

36°C
WITHOUT
COOLING
WORKWEAR

23°C
WITH
COOLING
WORKWEAR



Cools the body the same way it cools itself naturally

- Fight worker heat stress
- Provide worker comfort
- Improve worker concentration
- Lower body temperature
- Machine washable
- Lost cost & lightweight
- Activate with water



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CLIENTS USING THESE PRODUCTS



TECHNICHE EVAPORATIVE COOLING TECHNOLOGY

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TECHNICHE PHASE CHANGE COOLING TECHNOLOGY

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AEROCHILL EVAPORATIVE COOLING TECHNOLOGY FOR HORSES

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POWERED BY

HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING TECHNOLOGY



Our combination of specialised fabrics and fibres creates an advanced water management system that we call **HyperKewl™**.



POWERED BY

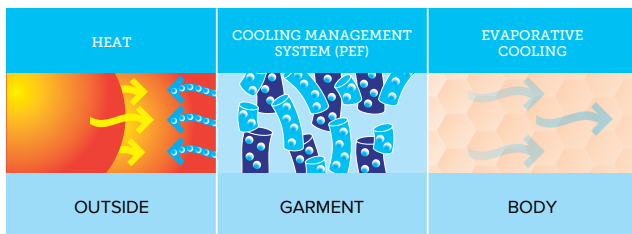
HYPERKEWL™ PLUS

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 naturally through perspiring. We simply supercharge the cooling process.

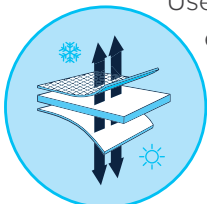


How it Works



TechNiche Evaporative Cooling products utilise 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°C cooler than the ambient temperature. The exact temperature difference will depend on humidity, exposure to airflow and other environmental conditions.



***HyperKewl™ Plus** is the next generation of our **HyperKewl™** fabric technology which is now **machine washable at 60°C**

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 two hang tags and a care label that fully explains how best to use and care for the product.

How to Activate



To activate **TechNiche** 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 repeating these simple steps.



HyperKewl™

Multi-layer Construction

U.S. Patent No. 6,371,977 – U.S. Patent No. 5,885,912

#6538

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING 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 Plus™** fabric inner, water repellent nylon liner, and black poly-cotton trim
- **Adult Sizes:** XS, S, M, L, XL, 2XL, 3XL, Custom
- **Child Sizes:** 5-6 Years Old, 7-9 Years Old, 10-12 Years Old
- **Colours:** Black, Blue, Silver, Hi-Viz Lime, Orange

OEM/
PRIVATE LABEL
MOQ 1000
UNITS



BLUE



SILVER



BLACK



HI-VIZ LIME



ORANGE

#6201

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING KEWLSHIRT™ TANK TOPS

- Traditional tank top styling, made with comfortable **Spandex, HyperKewl Plus™** fabric inner and waterproof nylon liner
- 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
- **Sizes:** XS, S, M, L, XL, 2XL, 3XL, Custom
- **Colours:** Black/Blue, Black/Silver, Black/Teal, Black/Yellow

OEM/
PRIVATE LABEL
MOQ 1000
UNITS



BLACK/BLUE



BLACK/SILVER



BLACK/TEAL



BLACK/YELLOW

#6591

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING RANGER CAPS

OEM/
PRIVATE LABEL
MOQ 500
UNITS

- 6591 is 100% cotton outer / 6591HV is 100% polyester
- Adjust with convenient strap cincher
- Can provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, quilted polyester outer with **HyperKewl™ Plus** fabric inner and water repellent nylon liner
- **Sizes:** S/M, L/XL, 2XL/3XL
- **Colours:** Khaki, Hi-Viz Lime with reflective tape (6591HV)



KHAKI (6591)



HI-VIZ (6591HV)

#6538

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING TRAFFIC SAFETY VESTS

- Hook and loop front closure
- Polyester outer with **HyperKewl™** fabric inner, water repellent nylon liner
- Multiple front pockets for storage
- Can provide 5-10 hours of cooling relief per soaking
- **Sizes:** S/M, L/XL and 2XL/3XL
- **Colours:** Hi-Viz Lime, Hi-Viz Orange



HI-VIZ LIME



HI-VIZ ORANGE

#6522

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING BEANIES

- Made with new 100% polyester cool mesh for enhanced performance
- Rear elastic panel ensures a comfortable fit for all
- Can 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
- **Colours:** Black, Blue



BLACK



BLUE

#6536

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING SKULL CAPS

- Made with new 100% polyester cool mesh for enhanced performance
- Tie fasten in back ensures a comfortable fit for all
- Can provide 5-10 hours of cooling relief per soaking; lightweight and durable
- Comfortable, polyester mesh with **HyperKewl™** fabric inner
- **Size:** Adult
- **Colours:** Black, Blue



BLACK



BLUE

#6801

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING GULPZ™ HYDRATION SYSTEMS

- Hands free convenience, stay hydrated (and safe) at work or play
- 2 litre (70 ounce) fluid capacity
- Includes fluid reservoir, drinking tube and bite valve
- Carrying unit made from **HyperKewl™ Plus** Evaporative Cooling fabric, which keeps your drinking water cool for several hours
- **Size:** Adult
- **Colours:** Hi-Viz Lime, Black



#6529FR

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE FIRE RESISTANT EVAPORATIVE COOLING 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
- Fire resistant treated cotton outer with waterproof nylon inner
- **Sizes:** XS, S, M, L, XL, 2XL, 3XL, Custom
- **Colour:** Hi-Viz Orange



#6525FR

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE FIRE RESISTANT EVAPORATIVE COOLING NECK SHADES

- Economical and effective
- Made using quick-release snap for improved user safety
- Fire resistant treated cotton outer with waterproof nylon inner
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, durable and easy to activate
- **Size:** Adult
- **Colour:** Hi-Viz Orange



NEW

FIRE RESISTANT COOLING PRODUCTS

A new range of products that are ideally suited for firefighters, rescue workers, oil rigs, factories & hazardous workplaces.



#6525

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING NECK SHADES

- Lightweight, durable and keeps your neck cool and protected from the sun
- Hook and loop attaches to hard hat liner (hard hat not included)
- 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
- Can provide 5-10 hours of cooling relief per soaking
- **Size:** Adult
- **Colours:** Hi-Viz Lime, Custom

OEM/
PRIVATE LABEL
MOQ 1500
UNITS



#6535

POWERED BY
HYPERKEWL™ PLUS

TECHNICHE EVAPORATIVE COOLING CROWN COOLERS 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 included)
- Comfortable quilted Hi-Viz Lime polyester outer, **HyperKewl™** fabric inner, water repellent taslan liner and black poly-cotton trim; elastic straps with hook and loop attachments
- Can provide 5-10 hours of cooling relief per soaking
- **Size:** Adult
- **Colours:** Hi-Viz Lime, Custom

OEM/
PRIVATE LABEL
MOQ 1500
UNITS



#6519

POWERED BY
HYPERKEWL™ PLUS

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
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, durable and easy to activate
- **Size:** Adult
- **Colours:** Black, Blue, Khaki, Pink

BLACK



BLUE



KHAKI



PINK



#6520

POWERED BY
HYPERKEWL™ PLUS

HYPERKEWL™ EVAPORATIVE COOLING DELUXE NECK BANDS

- Made with 100% cotton
- Low profile hook and loop closure
- Ideal for use under uniforms
- Can provide 5-10 hours of cooling relief per soaking
- **Size:** Adult
- **Colours:** Blue, Custom



POWERED BY

COOLPAX

TECHNICHE PHASE CHANGE COOLING TECHNOLOGY



TechNiche PCM Cooling products are designed to provide targeted temperature cooling using Phase Change Cooling Materials (PCM).

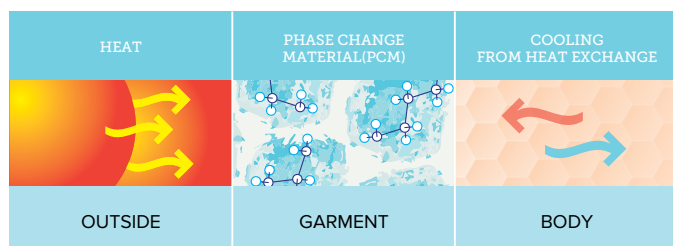
POWERED BY
COOLPAX

CoolPax™ cooling technology can be deployed in a variety of occupational, recreational and competitive settings.

We use high purity alkane materials to achieve targeted temperature cooling. **TechNiche** Phase Change Cooling Materials (PCM) are non-toxic, non-flammable and non-combustible. PCMs are sealed inside high strength polyurethane to ensure they do not leak.



How it Works



These durable PCM Cooling Inserts are made in a variety of shapes and sizes to aid personal comfort and achieve maximum cooling results.



TechNiche PCM Cooling Inserts are activated by cooling them below their Phase Change Temperature. PCM Cooling Inserts can be activated in freezers, fridges, ice water; in fact, anywhere the temperature is below 14°C. This means that users can activate inserts by simply placing them in a bowl full of ice. There's no need for electricity.

Compared to water, our 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 and care for the product.

How to Activate



TechNiche PCM Cooling Inserts are activated in ice water or the freezer. They will re-charge in any environment where the temperature is below 14°C. Simply place them in ice water or the freezer for 45 minutes 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 minutes but need the full 45 minutes to be solid all the way through.



#6626

POWERED BY
COOLPAX

OEM/
PRIVATE LABEL
MOQ 1000
UNITS

TECHNICHE PCM COOLING VESTS

- V-neck with zipper closure
- Hook and loop girth and shoulder adjustments
- 100% cotton vest, with thermal liner
- One set of 6665 PCM Cooling Inserts is included with each vest and one cooler bag
- Deploy extra PCM Cooling Inserts to achieve continuous cooling
- **Total Weight:** 2.7kg (including 6665 PCM Cooling Inserts)
- **Insert Compatibility:** 6665, 6665V, 7065, 7065V
- **Sizes:** M/L (45-80kg), L/XL (80-113kg), 2XL (113-136kg)
- **Colours:** Blue, Black, Khaki

COOLER BAG INCLUDED WITH VEST



INSIDE POCKETS FOR PCM COOLING INSERTS



BLACK



KHAKI



BLUE

#6626HV

POWERED BY
COOLPAX

TECHNICHE PCM TRAFFIC SAFETY HI-VIZ COOLING VESTS

- High Visibility
- Same product features as 6626
- Outer 100% Hi-Viz Lime polyester, inner liner 100% cotton
- One set of 6665 PCM Cooling Inserts is included with each vest and one cooler bag
- **Total Weight:** 2.7kg (including 6665 PCM Cooling Inserts)
- **Insert Compatibility:** 6665, 6665V, 7065, 7065V
- **Sizes:** M/L (45-80kg), L/XL (80-113kg), 2XL (113-136kg), Custom
- **Colour:** Hi-Viz Lime with Silver Reflective Tape



#6626I

POWERED BY
COOLPAX

TECHNICHE PCM INDURA™ FIRE RESISTANT COOLING VESTS

- Same features as the 6626, vest/carrier is made from 100% fire resistant cotton **INDURA™** or **Banwear™**
- V-neck design with zipper closure, hook and loop girth and shoulder adjustments
- One set of 6665 PCM Cooling Inserts is included with each vest and one cooler bag
- **Sizes:** M/L (45-80kg), L/XL (80-113kg), 2XL (113-136kg), Custom
- **Colour:** Blue



#6626N

POWERED BY
COOLPAX

TECHNICHE PCM NOMEX™ FIRE RESISTANT COOLING VESTS

- Same features as the 6626, vest/carrier is made from 100% fire resistant **Nomex™**
- V-neck design with zipper closure, hook and loop girth and shoulder adjustments
- One set of 6665 PCM Cooling Inserts is included with each vest and one cooler bag
- **Sizes:** M/L (45-80kg), L/XL (80-113kg), 2XL (113-136kg), Custom
- **Colour:** Blue



#6665V

POWERED BY
COOLPAX

TECHNICHE PCM COOLING INSERTS FOR PCM COOLING VESTS

WITH HOOK AND LOOP STABILISERS

- Safe, effective and comfortable
- Use additional inserts for continuous relief
- Maintain a comfortable 14°C for up to 3 hours
- Made from high strength polyurethane
- Includes four PCM Cooling Inserts per set
- Plus hook and loop stabilisers to secure packs in place
- **Total Weight:** 2.27kg
- **For Use With:** 6626, 6626I, 6626N, 6626HV



#6667

POWERED BY
COOLPAX

TECHNICHE PCM COOLING INSERTS FOR PCM COOLING VESTS

- Safe, effective and comfortable
- Use additional inserts for continuous relief
- Maintain a comfortable 14°C for up to 3 hours
- Made from high strength polyurethane
- Includes two Phase Change Cooling Inserts per set
- **Total Weight:** 2.7kg
- **For Use With:** 6625

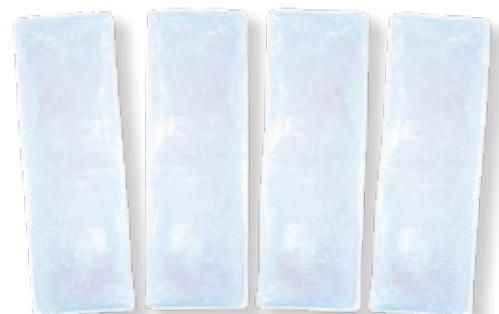


#6865

POWERED BY
COOLPAX

TECHNICHE PCM H₂O COOLING INSERTS FOR PCM COOLING VESTS

- Activated by placing in the freezer, use additional inserts for extended relief
- Water-Based Cooling Inserts maintain a temperature of 0°C (32°F) for up to one hour
- Includes four Water-Based Cooling Inserts per set
- **Total Weight:** 2.7kg
- **For Use With:** Fire Resistant Vests (6826)



AeroChill®

AEROCHILL
EVAPORATIVE
COOLING
TECHNOLOGY
FOR HORSES



AeroChill Cooling products are designed specifically for the equine industry.

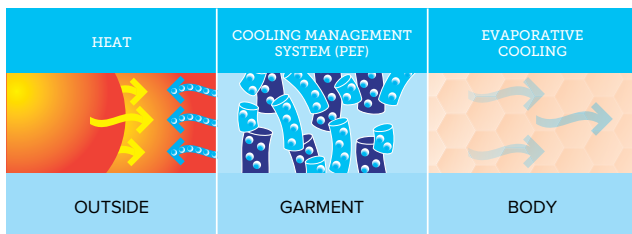
AeroChill[®]

AeroChill[®] evaporative cooling helps increase recovery time, cools body tissue and regulates outer thermal temperature.

We use a super absorbant polymer fibre fabric made in a medical grade factory. After 30 minutes the AeroChill products have pulled enough heat out of the legs or body of the horse to accelerate the post exercise recovery.

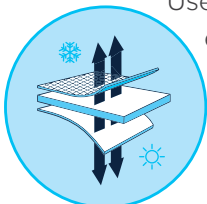


How it Works



AeroChill[®] Evaporative Cooling products utilise 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°C cooler than the ambient temperature. The exact temperature difference will depend on humidity, exposure to airflow and other environmental conditions.



What Does it Do?

Evaporative Cooling helps increase recovery time, cools body tissue and regulates outer thermal temperature. AeroChill Cooling products are also quilted which ensures that evaporation and therefore cooling occurs over a longer period of time.

- Designed to aid in cooling the horse and helping muscle recovery.
- Helps in alleviating heat exhaustion.
- Excellent to use pre-competition to keep your horse cool to help gain maximum performance.
- AeroChill is a super absorbent polymer fibre fabric which works by latent evaporation pulling heat from the horse and evaporating off the outside of the rug and improving blood circulation.
- Great to use when travelling horses in hot conditions.
- Easy to use

#8998

AEROCHILL® HORSE RUG

- Designed to aid in cooling the horse and helping muscle recovery
- Helps in alleviating heat exhaustion
- Super absorbent polymer fibre fabric which works by latent evaporation pulling heat from the horse and evaporating off the outside of the rug and improving blood circulation.
- Great to use when travelling horses in hot conditions
- Easy to use
- Front buckle, belly strap and fillet string to secure
- Comes in its own **AeroChill®** coolbag
- **Sizes:** S/M, L (See sizing chart for details)
- **Colour:** Blue



Equine Sizing Charts

Cooling Horse Rugs
Small / Medium 5'9"-6'3"
Large 6'6"-6'9"

#8999

AEROCHILL® COOLING BOOTS FOR HORSES

AeroChill® Cooling Boots for Horses are an award-winning, British-designed innovative product. The **AeroChill®** Cooling Boot is designed to the shape of a horse's leg and fetlock, to offer support and help reduce typical after-workout swelling.

- Evaporative Cooling Boots
- International award-winning product
- Helps reduce leg swelling after exercise
- Easy to activate, simply soak in water for 1-2 minutes and remove excess water prior to use
- Lightweight design
- **Sizes:** S, M, L (sold in pairs)
- **Colour:** Navy Blue with Light Blue stitching



AeroChill®

Thermographic Test Results:

WITHIN 10 MINUTES THESE PRODUCTS REDUCE THE HORSE'S THERMAL SKIN TEMPERATURE BY:

AeroChill Cooling Boots 5–8°C

AeroChill Cooling Rug 12–14°C



Download your copy of this free report at www.techtemp.com

