



CATALOGUE

2019/2020



 **INUTEQ**[®]
PERSONAL COOLING

KEEP YOUR HEAD COOL

INUTEQ is world's leading company in developing & manufacturing innovative personal cooling technologies and products.

Creating the best possible solutions to keep people & animals comfortably cool and to avoid heat stress symptoms, is at the core of our DNA.

Whether it be at work, during sports or your daily routines, you can trust to have INUTEQ at your side to keep you comfortably cool!

We have set up strategic partnerships with different innovative companies / high-end brands as well with medical & technical universities. We're also a proud official supplier of several ProCycling Teams, Formule-1 Teams and many more high-profile & Olympic athletes.

INUTEQ operates in a variety of markets: Animals, Industrial Safety, Medical, Military, Motorcycling, Outdoor Recreation and Sports.



TECHNOLOGIES



"With INUTEQ we have found the right partner for the CST Sandd Bafang team to use the best cooling methods for the riders. For example, we use different types of cooling vests at certain temperatures and conditions."

*Team Director - Bart Brentjens
Olympic and 10-times Dutch MTB champion*



Photo: Irmo Keizer

PERSONAL
COOLING



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MAIN MARKETS



Industrial safety

Workers who are exposed to extreme heat or work in hot environments may be at risk of heat stress. Heat stress can result in stroke, exhaustion, cramps or rashes. This can lead to occupational illnesses and injuries. Avoid this by wearing the right personal cooling apparel for your job.



Sports

Sports activities in high temperatures for long periods of time can lead to dehydration and heatstroke. Heatstroke is a life-threatening condition. Be prepared and protect yourself from heat stroke and heat exhaustion by wearing the right cooling apparel!



Animals

It is normal for your dog to be panting on a hot summer day, but your dog can quickly go from being a bit warm to suffering from the initial stages of heat stroke. Heat stroke is incredibly dangerous and often fatal. It affects dogs of all shapes, sizes and ages. Keep your dog comfortably cool with a dog cooling vest or a cooling mattress!



Healthcare

With multiple sclerosis (MS), you may experience heat intolerance, which is worsening your symptoms when exposed to heat. Wearing a cooling vest will make you feel more comfortable and may even relieve some of your symptoms.



Motorcycling

Riding in extreme temperatures not only feels like having a giant hair dryer blowing at you, but it can also be very dangerous. The beginnings of heat stroke can affect your judgement and impair your ability to ride a motorcycle safely. By taking precautions and wearing the right cooling apparel, you can beat the heat and ride safely!



Military

The very nature of the soldier's profession -- training outdoors, wearing uniforms and carrying equipment -- practically guarantees they will be exposed to heat stress. Combat the heat by wearing the right professional personal cooling apparel.



Outdoor recreation

Recreative activities in high temperatures for long periods of time can lead to dehydration and heatstroke. Heat stress may affect people aged 65 years and over even more than others. Wear a cooling vest or one of the cooling accessories to stay comfortably cool.

WHY PERSONAL COOLING?

High temperatures reinforce thermal stress.

Scientific studies confirm that work, sports or recreational activities in high temperatures can have a significant impact on productivity, concentration, safety & health – the best performing 'comfort zone' is 22°C / 71.6°F.

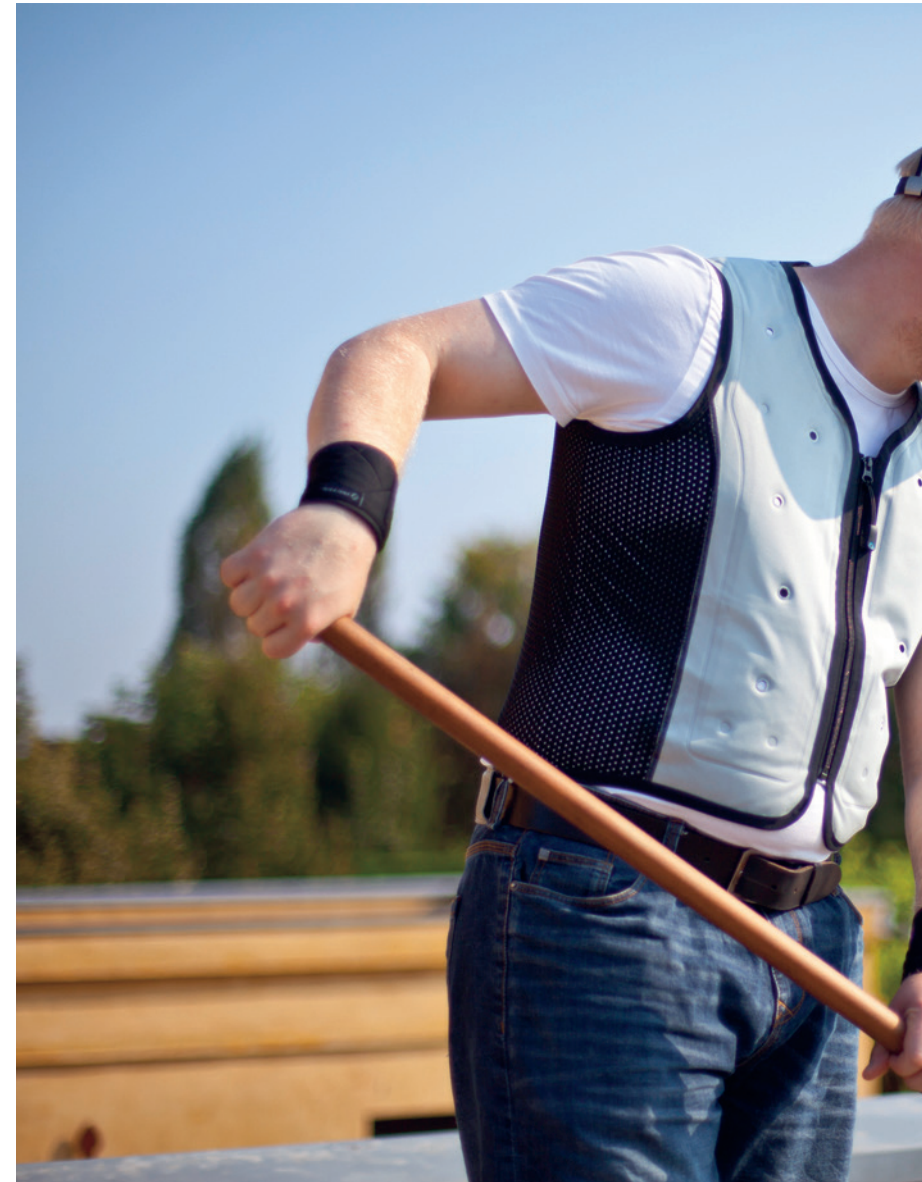
The performance data from the Weissenet performance study, states various temperatures and the related performance decrease;

- Ambient temperature 25°C / 77°F: performance decrease of 3%
- Ambient temperature 30°C / 86°F: performance decrease of 10%
- Ambient temperature 35°C / 95°F: performance decrease of 18%
- Ambient temperature 40°C / 104°F: performance decrease of 28%

INUTEQ DRY TECHNOLOGY

INUTEQ-DRY® is a revolutionary evaporative cooling technology. We have created our patented cooling system for environments where cooling is desired but resources are limited. The INUTEQ-DRY® cooling solution only requires a limited quantity of water (a vest filled with 500 ml) to provide maximum cooling for up to **3** days. Our products can be easily activated by filling them with tap water, after which the cooling process will start instantly. The cooling effect is based on the principle of natural evaporation, and therefore the result is dependent on local humidity and airflow.

The INUTEQ-DRY® technology is a durable solution, all products are machine washable and have antibacterial properties. INUTEQ-DRY® guarantees that you will stay 100% dry. Our products will cool you down to 15°C below ambient temperature. The INUTEQ-DRY products perform best in environments with a low to average degree of humidity. The level of airflow determines the cooling effect.





KEEP THE
FOCUS
- STAY COOL -

ACTIVATION IS EASY



FILL WITH WATER

Just fill the product with (tap) water.



DIVIDE & SQUEEZE

Distribute the water evenly and squeeze out any excess water.



ENJOY IMMEDIATE COOLING

Your product is now ready to use, instantly creating a cooling effect for up to 3 days, depending on the ambient temperature, humidity and airflow.

INUTEQ-DRY PRODUCTS

- Easy to use and re-use
- Machine washable
- Antibacterial
- Provides up to 15°C / 59°F cooling relief below ambient temperature
- Offers up to 3 days of cooling comfort
- CE marked



Colors: Yellow, Silver Grey

Size: XS, S, M, L, XL, 2XL, 3XL

Components

Exterior: INUTEQ-DRY® Nylon Jersey 50%, PU 50% Ultra Fresh Antibacterial treatment

Core: INUTEQ-DRY® technology wicking polyester fleece

Interior: INUTEQ-DRY® Nylon

Yellow: #11130307

Silver Grey: #11130302



Colors: Silver Grey
Yellow on special order

Size: One size

Components

Exterior: INUTEQ-DRY® Nylon Jersey 50%, PU 50% Ultra Fresh Antibacterial treatment

Core: INUTEQ-DRY® technology wicking polyester fleece

Interior: INUTEQ-DRY® Nylon

Silver Grey: #11110102

Yellow: #11110107



Colors: Yellow

Size: One size

Components

Exterior: INUTEQ-DRY® Nylon Jersey 50%, PU 50% Ultra fresh Antibacterial treatment

Core: INUTEQ-DRY® technology wicking polyester fleece

Interior: INUTEQ-DRY® Nylon

Yellow: #111201



"While wearing the INUTEQ-DRY® cooling vest and cap, I stay comfortably cool at my job for the full day. I keep my concentration and avoid exhaustion, or even worse, heat stress symptoms."

*- Michael Paul
Roofer*

INUTEQ H2O TECHNOLOGY

INUTEQ-H2O® technology offers the highest standard in evaporation cooling at low cost. Our INUTEQ-H2O® products are activated by soaking them in water for 2 minutes. After excess water is gently squeezed out they are ready to wear. Depending on the humidity and airflow, these products will cool you down up to 15°C / 59°F below the ambient temperature for up to 8 hours.

All INUTEQ-H2O® evaporative products are machine washable and have antibacterial properties. The INUTEQ-H2O® cooling vests are finished with water-repellent lining to keep the inside dry. The INUTEQ-H2O® products perform best in environments with a low to average degree of humidity. The level of airflow determines the cooling effect.





STAY
SHARP
- STAY COOL -

ACTIVATION IS EASY



SOAK IN WATER

Just soak in water for a maximum of two minutes.



GENTLY SQUEEZE OUT EXCESS WATER



ENJOY IMMEDIATE COOLING

Your product is now ready to use, instantly creating evaporative cooling for up to eight hours, depending on the ambient temperature, humidity and airflow.

INUTEQ-H2O PRODUCTS

- Easy to use and re-use
- Machine washable
- Antibacterial
- Lightweight
- Provides cooling relief up to 15°C / 59°F below ambient temperature
- Offers up to 8 hours of cooling comfort
- CE marked



BODYCOOL
SPEED

Colors: Black/Grey
Size: 2XS/XS, S/M, L/XL, 2XL/3XL

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment
Interior: 100% Nylon

Black/Grey: #12130202



BODYCOOL
PRO-A

Colors: Yellow, Blue
Size: XXS (blue only) XS, S, M, L, XL, 2XL

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment
Interior: 100% Nylon
Panels: Polyester Mesh

Yellow: #12130107
Blue: #12130103



BODYCOOL
BASIC

Colors: Yellow, Black
Size: XS, S, M, L, XL, 2XL, 3XL

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment
Interior: 100% Nylon

Yellow: #12130407
Black: #12130401

FR
AVAILABLE
ON REQUEST



Colors: Yellow, Orange
Size: S, M, L, XL, 2XL, 3XL

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment
Interior: 100% Nylon

Yellow: #12130307
Orange: #12130305



Colors: Yellow, Grey
Size: One size

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment
Interior: 100% Nylon

Yellow: #121207
Grey: #121201



Colors: Yellow, Grey
Size: One size

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment
Interior: 100% Nylon

Yellow: #121807
Grey: #121802



INUTEQ-H2O PRODUCTS

- Easy to use and re-use
- Machine washable
- Antibacterial
- Lightweight
- Provides up to 15°C / 59°F cooling relief below ambient temperature
- Offers up to 8 hours of cooling comfort
- CE marked



Colors: Black
Size: One size

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment

Interior: 100% Nylon

Black: #121801



Colors: Black
Size: S/M, L/XL

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment

Interior: 100% Nylon

Black: #121101



Colors: Black
Size: One size

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O® superabsorbent cooling fabric with antibacterial treatment

Interior: 100% Nylon

Black: #121401



Colors: Black
Size: One size

Components

Exterior: 100% Nylon
Core: INUTEQ-H2O®
superabsorbent cooling fabric with antibacterial treatment
Interior: 100% Nylon

Black: #121803

THE ADVANTAGES OF WEARING PERSONAL COOLING APPAREL:

- Better thermal comfort
- Reduces sweating & transpiration
- Decreases core and skin temperature
- Lowers the heart rate
- Better concentration
- Increases performance
- Avoid heat stress symptoms
- Quicker recovery

ENJOY
IMMEDIATE
COOLING
- STAY COOL -



INUTEQ PVA TECHNOLOGY

The INUTEQ-PVA® evaporative cooling technology is a highly absorbent Polyvinyl Alcohol Fabric. INUTEQ-PVA® products are activated by soaking them in water for one minute. After squeezing out excess water they are ready for use.

The INUTEQ-PVA® products will cool you down for several hours. Products are machine washable. Using the INUTEQ-PVA® evaporative cooling products is a fast and easy way to beat the heat and stay fresh and cool.

The INUTEQ-PVA® products perform best in environments with a low to average degree of humidity. The level of airflow determines the cooling effect.





BECOMING A CHAMPION

- STAY COOL -

Photo: Cor Vos®

ACTIVATION IS EASY



SOAK IN WATER

Just soak the product in water for one minute.



SQUEEZE

Gently squeeze out the excess water.



ENJOY IMMEDIATE COOLING

Your product is now ready to use, instantly creating a cooling effect for up several hours.

INUTEQ-PVA PRODUCTS

- Easy to use and re-use
- Machine washable
- Provides up to 15°C / 59°F cooling relief below ambient temperature
- CE marked



Colors: Black/Grey
Size: XS, S, M, L, XL, 2XL

Components
Exterior: 100% Polyvinyl Alcohol Fabric with Polyester breathable knitted eyelet fabric

Black/Grey: #12180611



Colors: Blue
Size: 66cm x 43cm

Components
Exterior: 100% Polyvinyl Alcohol Fabric

Blue: #121806



Colors: Blue, Orange, Yellow, Green, Pink
Size: 78cm x 33cm

Components
Exterior: 100% Polyvinyl Alcohol Fabric

Blue: #121806004
Orange: #121806002
Yellow: #121806001
Green: #121806003
Pink: #121806005

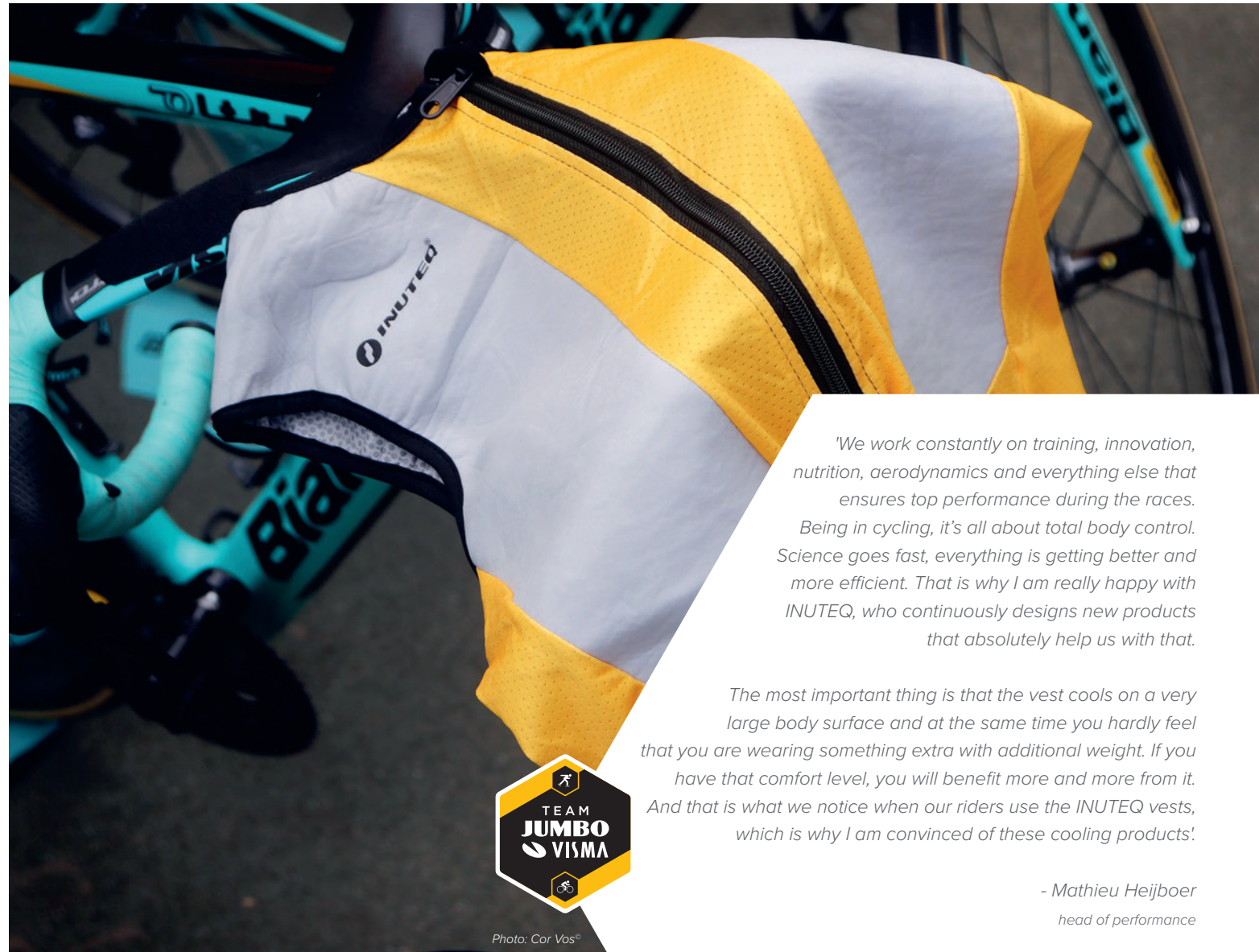


Colors: Yellow/Grey
Size: XS, S, M,
L, XL, 2XL

Components

Exterior: 100% Polyvinyl Alcohol Fabric with Polyester breathable knitted eyelet fabric

Yellow/Grey: #12180677



'We work constantly on training, innovation, nutrition, aerodynamics and everything else that ensures top performance during the races. Being in cycling, it's all about total body control. Science goes fast, everything is getting better and more efficient. That is why I am really happy with INUTEQ, who continuously designs new products that absolutely help us with that.'

The most important thing is that the vest cools on a very large body surface and at the same time you hardly feel that you are wearing something extra with additional weight. If you have that comfort level, you will benefit more and more from it. And that is what we notice when our riders use the INUTEQ vests, which is why I am convinced of these cooling products!'

*- Mathieu Heijboer
head of performance*

Photo: Cor Vos®

INUTEQ PAC TECHNOLOGY

The INUTEQ-PAC® is a revolutionary performance technology. We offer this bio-based Phase Change Material (PCM) in 5 different temperatures: 6,5°C / 44°F, 15°C / 59°F, 21°C / 70°F, 24°C / 75°F and 29°C / 84°F.

This unique INUTEQ-PAC® phase change technology has a high latent heat, which makes it ideal for use in various thermal management applications.

The INUTEQ-PAC® products, powered by CrodaTherm bio-based PCM, offer higher flash fire points than their paraffin equivalents. As proven during fire safety tests, the INUTEQ-PAC® products out-perform their paraffin equivalents, providing a safer product for professionals dealing with strict fire safety regulations.

The only REACH and USDA certificated 100% bio-based PCM on the market!





KEEP THE
FOCUS
- STAY COOL -

ACTIVATION IS EASY



COOL THE PACK

Simply put the product in ice water, refrigerator or freezer, or store it at a lower temperature until it becomes fully solid.



INSERT IN YOUR GARMENT



ENJOY CONSTANT COOLING

Your garment is now ready to wear, creating cooling on a constant temperature level.

INUTEQ-PAC PRODUCTS

- For when exact temperatures are essential
- Perform under any extreme temperature and under every level of humidity
- 100% bio-based phase change material
- Biodegradable
- Non-toxic, non-hazardous, noncorrosive
- Long term stability
- High latent heat capacities
- USDA certificated
- REACH compliant



BODYCOOL PRO

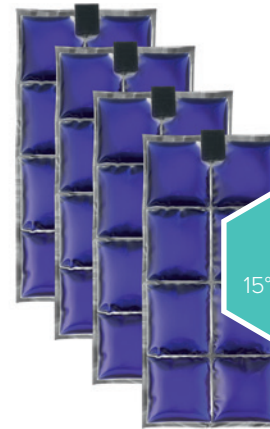
Colors: Black
Size: XS, S, M, L, XL, 2XL, 3XL

Components

Exterior: Robust canvas
Liner/pockets: Polyester mesh
Pockets for inserts: Four (two front, two back)
Adjustment: Waist line
Closure: Front opening zipper

Black: #131301

FR AVAILABLE ON REQUEST



PACS 15°C / 59°F

Colors: Violet
Size: 31cm x 14,5cm

Components

Exterior: INUTEQ-SEAL®
Interior: 100% bio-based phase change material

Violet: #1312001508



PACS 21°C / 70°F

Colors: Yellow
Size: 31cm x 14,5cm

Components

Exterior: INUTEQ-SEAL®
Interior: 100% bio-based phase change material

Yellow: #1312002108

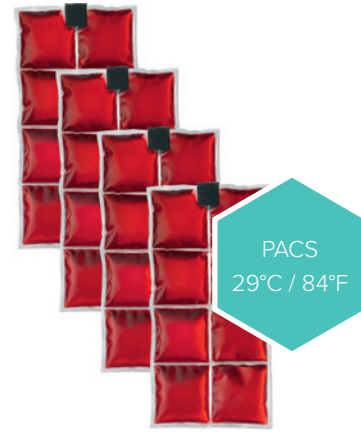


Colors: Transparent
Size: 31cm x 14,5cm

Components

Exterior: INUTEQ-SEAL®
Interior: 100% bio-based phase change material

Transparent: #1312002408



Colors: Red
Size: 31cm x 14,5cm

Components

Exterior: INUTEQ-SEAL®
Interior: 100% bio-based phase change material

Red: #1312002908

THE PROCESS

As the temperature of the surroundings start to increase, the PCM begins to melt.



During the phase transition, the PCM stores energy as latent heat, maintaining temperatures until it is completely molten.



As the PCM begins to recrystallise, it releases the stored latent heat maintaining temperatures until all latent heat has been released.



When temperatures of the surroundings begin to fall, the PCM starts to solidify and recrystallise.

INUTEQ PAC & H2O TECHNOLOGY

'Athletes who precool can increase performance with 5,7% ($\pm 1\%$) and with percooling (cooling during exercise) with 9,9% ($\pm 1.9\%$). The combination of precooling and percooling technologies could be the most effective strategy to improve exercise performance in the heat, according to Dr. Thijs Eijvogels, one of the top authorities on thermoregulation.'

**published 2015, British Journal of Sports Medicine ** Dr. Thijs M.H. Eijvogels, Department of Physiology, Radboud University Medical center - The Netherlands.*





**BECOMING
AN OLYMPIC
CHAMPION**
- STAY COOL -

PAC ACTIVATION IS EASY



COOL THE PACK

Simply put the product in ice water, refrigerator or freezer, or store it at a lower temperature until it becomes fully solid.



INSERT IN YOUR GARMENT



ENJOY CONSTANT COOLING

Your garment is now ready to wear, creating cooling on a constant temperature level.

H2O ACTIVATION IS EASY



SOAK IN WATER

Just soak in water for a maximum of two minutes.



GENTLY SQUEEZE OUT EXCESS WATER



ENJOY IMMEDIATE COOLING

Your product is now ready to use, instantly creating evaporative cooling for up to eight hours, depending on the ambient temperature, humidity and airflow.

Photo: Immo Keizer

INUTEQ-PAC & H2O PRODUCTS

The Bodycool Hybrid vest is created for multiple sports purposes and commonly used as pre-post cooling vest by athletes, in combination with our INUTEQ-PAC® 6.5°C / 44°F or 15°C / 59°F bio-based PCM packs.

Hybrid cooling solution for ultimate relief: evaporative INUTEQ-H2O® Cooling Fabric for 2-6 hours of cooling relief per soaking and INUTEQ PAC® bio-based Phase Change Material inserts maintain a comfortable 6.5°C / 44°F or 15°C / 59°F for up to three hours.



BODYCOOL
HYBRID

Colors: White/Black
Size: XS, S, M, L, XL, 2XL

Components

Exterior: 100% Cotton
Core: Superabsorbent cooling fabric with antibacterial treatment
Liner: Polyester
Pockets: Polyester Mesh
Pockets for inserts: Four (two front, two back)
Closure: Front opening zipper

White/Black: #141301



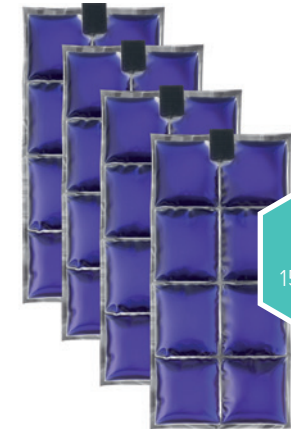
PACS
6.5°C / 44°F

Colors: Transparent
Size: 31cm x 14,5cm

Components

Exterior: INUTEQ-SEAL®
Interior: 100% bio-based phase change material

Transparent: #1312006508



PACS
15°C / 59°F

Colors: Violet
Size: 31cm x 14,5cm

Components

Exterior: INUTEQ-SEAL®
Interior: 100% bio-based phase change material

Violet: #1312001508



Some of our
Elite Sports partners:



- RINUS VEEKAY -

The praised Dutch car racing talent in America. In 2020 he will most likely be at the start of the INDY 500, the most important and largest car race of the year in the United States!



INUTEQ QCK TECHNOLOGY

The cooling effect generated by these products and technology is not chemically treated, but comes from the special technology within the INUTEQ-QCK® cooling fabric.

The INUTEQ-QCK® fabric is extremely strong, soft and flexible as well as lightweight. INUTEQ-QCK® products are ideal for sports, camping, exercising, leisure or any outdoor activity where you need some comfortable cooling. Simply 'WET IT' – 'WRING IT' and 'SNAP IT' – ready to use!



FAST,
EASY AND
EFFECTIVE

- STAY COOL -

ACTIVATION IS EASY



WET IT - SOAK IN WATER

Just soak in water for a maximum of two minutes.



WRING IT - SQUEEZE

Gently squeeze out the excess water.



SNAP IT

Just wave the product 2 times and it's ready to use. Instantly creating a cooling effect for up to several hours.

INUTEQ-QCK PRODUCTS

- Easy to use and re-use
- Lightweight
- Antibacterial
- Machine washable
- Soft & smooth
- CE marked



BODY COOLING TOWEL+

Colors: Dark Blue
Size: 85 cm x 30 cm

Components

Exterior: 100% Instant Cooling Fabric

Dark Blue: #121903



BODYCOOL ARM SLEEVES

Colors: Black
Size: S & L

Components

Exterior: 100% Instant Stretchable Cooling Fabric with UV protection

Black: #121901



BODYCOOL TRAVEL TOWEL

Colors: Black
Size: 45 cm x 45 cm

Components

Exterior: 100% Instant Stretchable Cooling Fabric with UV protection

Black: #12180805

"I have had a lot more rest since I use the cooling towel, knowing that cooling is within reach"

- Kristel



PERSONAL
COOLING



HELP ME CHOOSE WHICH COOLING SOLUTION IS THE BEST FOR ME?

Check here which technology and the related products work best for your personal application and in which environmental condition.

	Dry Evaporation	H2O Evaporation
Effective cooling time during average use	Up to 72 hrs	Up to 8 hrs
Does it perform well in warm conditions under 40°C / 104°F	Yes	Yes
Does it perform well in hot conditions above 40°C / 104°F	Low	Low
Does it perform well in low-mid humid conditions	Yes	Yes
Does it perform well in high humid conditions	Low	Low
Does it perform well underneath breathable garments	Yes	Yes
Does it perform well underneath hazmat / airtight suits	No	No
Does it perform well without airflow	No	No
Suitable for high activity	No	Yes
Requirements to activate	Tap Water	Tap Water

PVA Evaporation	Bio-Based Phase Change Material 6,5°C	Bio-Based Phase Change Material 15°C	Bio-Based Phase Change Material 21°C	Bio-Based Phase Change Material 24°C	Bio-Based Phase Change Material 29°C	QCK Technology
Up to 4 hrs	Up to 2 hrs	Up to 2,5 hrs	Up to 3 hrs	Up to 3,5 hrs	Up to 4,5 hrs	Up to 2 hrs
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
No	Yes	Yes	Yes	Yes	Yes	No
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tap Water	Freezer	Freezer / Fridge or in temp < 10°C / 50°F	Freezer / Fridge or in temp < 19°C / 66°F	Freezer / Fridge or in temp < 21°C / 70°F	Freezer / Fridge or in temp < 26°C / 79°F	Tap Water

INUTEQ

PRIVATE LABEL

If you don't find what you're looking for in our INUTEQ catalogue, you may want to consider placing a private label order. Since we do all of our developing and manufacturing in-house, we have a lot of flexibility when it comes to custom orders, including the ability to use custom patterns, stitching, colors, and fabrics.

We are dedicated to helping you!



PRODUCT CUSTOMIZATION

Design your own products with our unique cooling technologies. Custom designs, sizes, colors and styles are available.



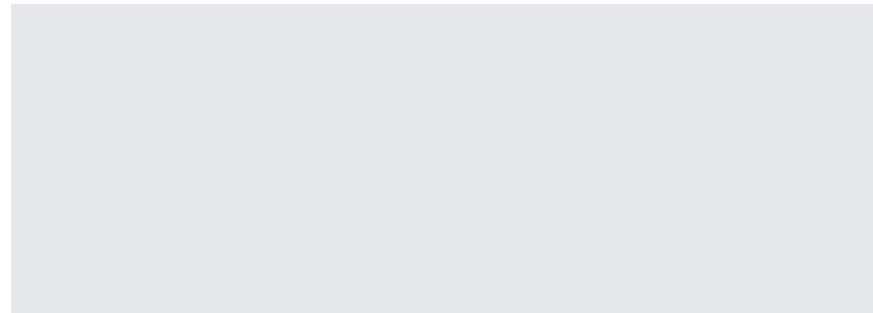
PRIVATE LABEL / OEM

We can place your brand label on our products. This enables you to sell them under your name and enhance customer retention. INUTEQ Private Label has global partnerships that ensure we can deliver your custom order on time and at the best possible price.

SOME OF OUR
PRIVATE LABEL PARTNERS



YOUR LOCAL DISTRIBUTOR



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