



# J3 TC BACK

KEEP WARM, STAY COOL





## TEMPERATURE CONTROL (TC)

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The first and only wheelchair back designed to help manage your own microclimate. Too hot? Flip the switch to cool down. Too cold? Flip the switch to warm up.

Evaporative cooling helps to dissipate moisture on your skin and keeps you feeling refreshed. The heating system warms throughout the back, allowing you to fully enjoy those cold winter days.

The first wheelchair backrest with integrated thermal and evaporative cooling technology. Control your temperature!



## CLINICAL BENEFIT

Skin temperature is important to your well-being and could help avoid skin breakdown, yet is often challenging to manage. The patented internal thermal technology in the JAY J3 TC Back may help those who have difficulty regulating their own body temperature, like Spinal Cord Injury (SCI) as well as Multiple Sclerosis (MS) patients. Especially those patients suffer from temperature dysregulation and therefore cannot fully adjust their body temperature under different environmental conditions.

For years several clinical studies worldwide have been concerned with temperature control issues and the fact that cooling systems have proven to be beneficial in their various forms.

▣▣ *Thermal regulation is impaired in patients with SCI. As a result, they cannot appropriately respond to the changing temperatures of their surrounding environments.* ▣▣

Y.-G., SONG; Y. H., WON; S.-H., PARK; M.-H., KO; J.-H., SEO: CHANGES IN BODY TEMPERATURE IN INCOMPLETE SPINAL CORD INJURY BY DIGITAL INFRARED THERMOGRAPHIC IMAGING (2015)

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▣▣ *In addition to autonomic dysfunction, the majority of MS patients experience transient and temporary worsening of clinical signs and neurological symptoms in response to a number of factors, the most prominent of which are increased ambient or core body temperature and exercise. A small number of studies have reported potential benefits using cooling strategies that are convenient methods available to most MS patients such as cold showers, applying ice packs, the use of regional cooling devices, and drinking cold beverages.* ▣▣

S., DAVIS; T.E., WILSON; A.T., WHITE; E.M., FROHMAN: THERMOREGULATION IN MULTIPLE SCLEROSIS (2010)

## 3DX™ SPACER FABRIC – ENGINEERED TO OPTIMISE AIRFLOW

The JAY J3 TC Back cover optimises airflow through the use of specialised fabrics and specially designed vents.

The porous 3DX™ Spacer Fabric promotes airflow through the cushion to the TC insert.

This microclimate cover is made of a quick drying fabric that helps to reduce heat and moisture build-up.

### Cooling system with micro fans

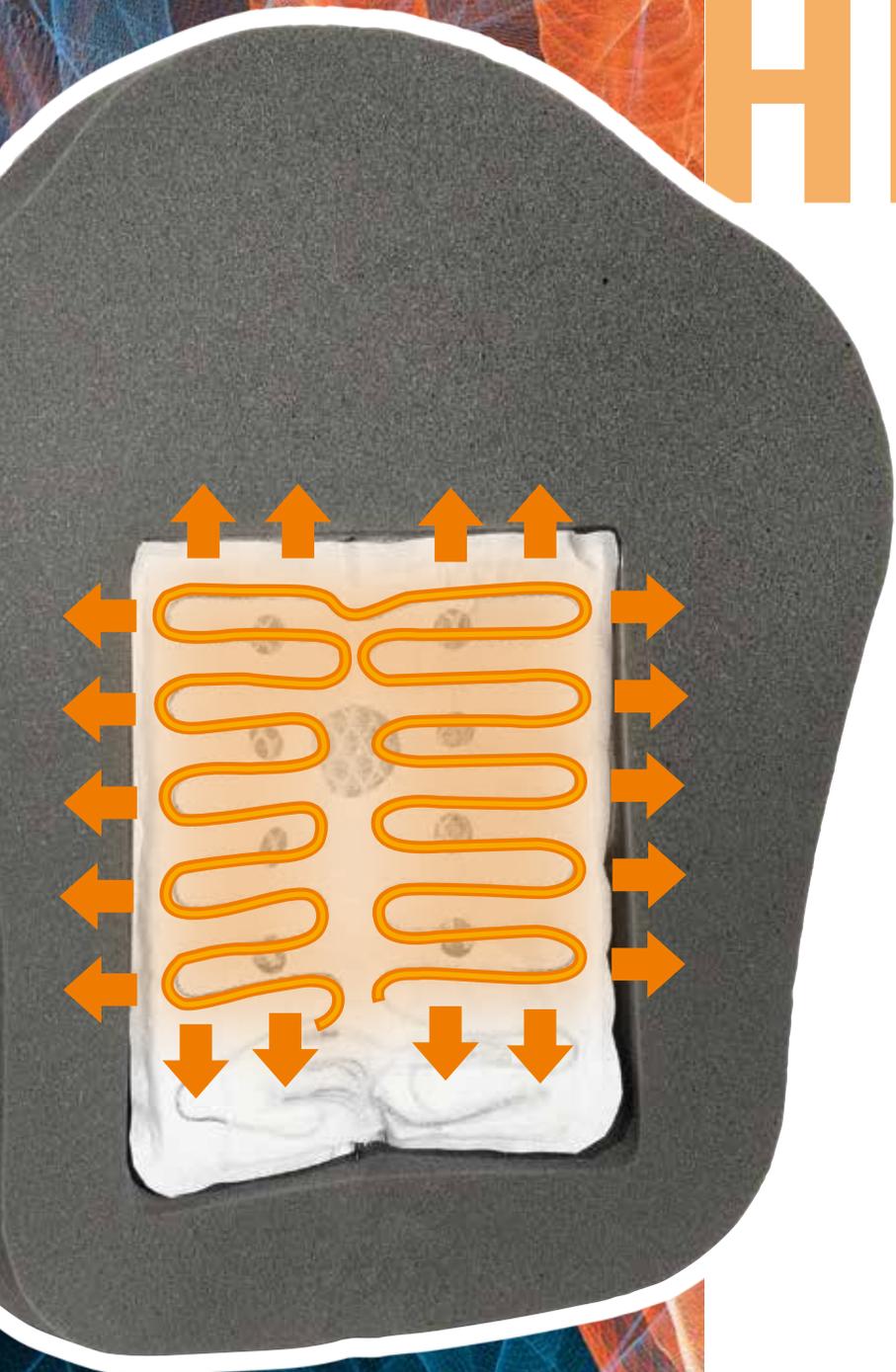
The JAY J3 TC Back cooling system consists of a ventilation insert where small fans are incorporated. Once the cooling function is activated the air starts circulating from the front of the backrest and is transported out of the backrest through the ventilation bladder.



**TWO MICRO FANS  
ARE INCORPORATED**



# HEAT up



## Patented thermal technology

The JAY J3 TC Back heating system uses heating coils to generate heat. Unlike others, this heating system has been specially designed for wheelchair users.

**It is equipped with automatic shut-off to prevent the temperature from rising above 40 °C.**

## Designed for everyday use

JAY J3 wheelchair positioning backs are designed with contoured back shells, soft foam, and adjustable components for stability and fatigue reduction. The Temperature Control (TC) Technology is seamlessly incorporated into this proven backrest.

## Count on quality

The JAY J3 TC Back is based on customer feedback and incorporates heating/ventilation management from a leader in the automotive industry.

## Simple control

- Simple on/off switch controls the heat or ventilation setting
- Red light indicates heat, blue light indicates ventilation



# THE PROVEN JAY J3 POSITIONING CONCEPT

The reliable JAY J3 Back system bases on an anthropometrically correct design for an optimal client fit. It supports an upright posture and provides a stable and ergonomic seating position.

### Lateral support – fixed or swing away

Available in 6 sizes



## 3 DIFFERENT CONTOURED BACK SHELLS





## HIGHLY ADJUSTABLE JAY MOUNT HARDWARE

The JAY Mount hardware is easy to fit, easy to remove, compact in size and packed with adjustments in width, depth, angle and height. You can even adjust the back with the client in the chair!

**The JAY J3 TC Back versatile hardware allows it to be mounted on manual as well as on electric wheelchairs.**

### Compact Mounting Hardware

The Compact Mounting Hardware is a slim, compact and lightweight hardware. This hardware is standard on the mid thoracic height (MT).



## HIGHLY ADJUSTABLE

### Heavy Duty Compact Mounting Hardware

The Heavy Duty Compact Mounting Hardware is focused on greater stability and more adjustments for more passive users. It is standard on upper thoracic (UT) and shoulder height (SH) backrest heights and a lightweight hardware.





## Safe in all environments

This product safely works in all environments and years of automotive industry design experience are incorporated into the product. The technology is tested to wheelchair industry standards for conditions outside of a vehicle.

The JAY J3 TC Back is equipped with automatic shut-off to prevent the temperature from rising above 40 °C.



## TECHNICAL DATA

JAY J3 TC BACK	
<b>Temperature control (TC)</b>	Thermal and cooling function to manage body temperature
<b>Cover material</b>	3DX Spacer Fabric, black
<b>Contour styles</b>	Shallow Contour, Mid Contour & Mid Deep Contour
<b>Backrest width</b>	410 / 460 / 510 mm
<b>Backrest height</b>	340 / 380 / 420 / 460 / 500 / 530 mm
<b>Max. user weight</b>	136 kg / 225 kg depending on hardware
<b>Lithium-Ion battery</b>	Offers minimum 8 hours of continued use
<b>Accessories</b>	Headrest, fixed lateral support, chest straps and lumbar supports
<b>Safety</b>	Crash tested

Irrtümer, Druckfehler und Änderungen vorbehalten



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