

KoreKooler® REHAB CHAIR



Combat Heat Stress with Active Cooling

The Kore Kooler Rehab Chair provides an effective means of lowering body temperature through hand and forearm immersion. Combined with resting and hydration, hand and forearm immersion is an effective way for firefighters and responders to lower the impact of stress on their health and safety.

What is Heat Stress?

Heat stress occurs when the body's internal core temperature rises above its normal level. As core temperature rises, so does the risk of heat stress. Core temperature greater than 39°C is dangerous and can lead to heat stroke.

Heat stress factors include: air temperature, humidity, radiant heat, air movement, the physical demands of work, the clothing worn, and the work performed. The potential dangers of heat stress range from heat rash, heat cramps and heat exhaustion to potentially fatal heat stroke.

How Can Heat Stress be Avoided?

- Utilize the six R's of rehabilitation
 - Rest
 - Rehydration—fluid intake (hydration)
 - Restoration—active cooling
 - Rx—medical monitoring and treatment
 - Relief—from extreme climatic conditions
 - Refueling—where required
- Train personnel in proper rehab procedures
- Use active cooling and forearm immersion to keep cool.

How the Kore Kooler Rehab Chair Works

The Kore Kooler Rehab Chair relies on direct contact of the skin with a large volume of ambient temperature water (10-30°C). The many blood vessels running through the arms and hands, located close to the skin's surface, make this technique an excellent method to reduce core temperatures. Heat is moved through the blood vessels and skin into the cooler water, then the cooled blood returns to the heart and is pumped throughout the body.



Kore Kooler Rehab Chair Specifications

- Seat height: 16"
- Chair weight: 11 lb.
- Weight limit: 300 lb.
- Sling construction of chair provides a hammock effect for support and relaxation
- Head cushion attached to back of chair

Contents

- One Kore Kooler Chair
- Removable Head Cushion
- Vented Carrying Bag
- Two Reservoir Bags