

How Do the COOLPANTS Work?

COOLPANTS® will work with any personal [cooling system](#) on the market that utilizes circulating water. It is designed to maintain or quickly return core body temperatures to normal levels, reducing heat-induced fatigue and the mental & physical error that it causes. It cools the body and allows it to radiate it's heat, thus reducing the risk of heat stroke. Here's how it works:

THE PANTS: COOLPANTS® contains approximately 50 feet of medical grade capillary tubing securely stitched on the front and back of the shirt. It is connected to a compact cooling unit via insulated hose with quick, dry disconnects. The cooling unit contains ice, water and an internal pump that supplies cool water to COOLSHIRT® as it covers up to 40% of the body.

WHY THE PANTS WORK SO WELL: The temperature-controlled cool water provided by the cooling unit to the **COOLPANTS®** is between 50 and 65 degrees. Studies have proven that cool water will transfer body heat **28 times faster** than cool air. This allows faster, more efficient maintenance of the body's optimum core temperature.

CONSTANT USE: Constant, ongoing use of **COOLPANTS®** Personal Cooling System during strenuous activity and in high temperature environments will help PREVENT heat fatigue & heat stroke and help maintain the body's core temperature at normal levels during use.

ON-DEMAND USE: In situations where ongoing use of COOLPANTS® is not an option, it does an excellent job of quickly relieving heat-induced fatigue and helping to prevent heat stroke. **COOLPANTS®** can be worn comfortably for long periods of time and quickly connected and disconnected to the cooling unit as needed. **COOLPANTS®** will return the body's core temperature to normal levels within minutes. Pit Crews, football players, firefighters, industrial and hazmat workers all benefit from the quick heat relief that the **COOLPANTS®** provide.

Maintenance Instructions:

- 1) **COOLPANTS®:** Hand wash or machine wash on the gentle cycle in warm or cold water as necessary. Hang to drip dry.
- 2) Inspect o-rings on shirt fittings for cracks or abrasions and replace as necessary.
- 3) Add one 2 ounce bottle of Maintenance Additive (MA-16) in the cooling unit with the ice and water each time the unit is used. This will keep the pump, hoses and vest lines clear of the buildup that occurs naturally in water circulation systems and increase the performance and lifetime of the pump. You can also drain the hose and vest after each use with the Universal Connector & Drain kit