

PHASECORE



IMMERSION COOLING EQUIPMENT

PREVENTING HEAT STRESS IS BETTER THAN TREATING HEAT STRESS.

When work or training outside puts you and your team at risk of serious heat stress, cool everyone down quickly with the PhaseCore Immersion Cooling Equipment System (ICE).

The ICE System is a lightweight, portable, but durable heat stress prevention unit. One person can set it up in under 2 minutes. Simply fill the basin with water and add two 20-pound bags of ice.

Up to six individuals can use the ICE System at the same time. They simply immerse their forearms and walk in place to circulate the blood. Their cooled blood flows throughout their bodies dropping their core body temperature about 1.8° F in 3 to 10 minutes.



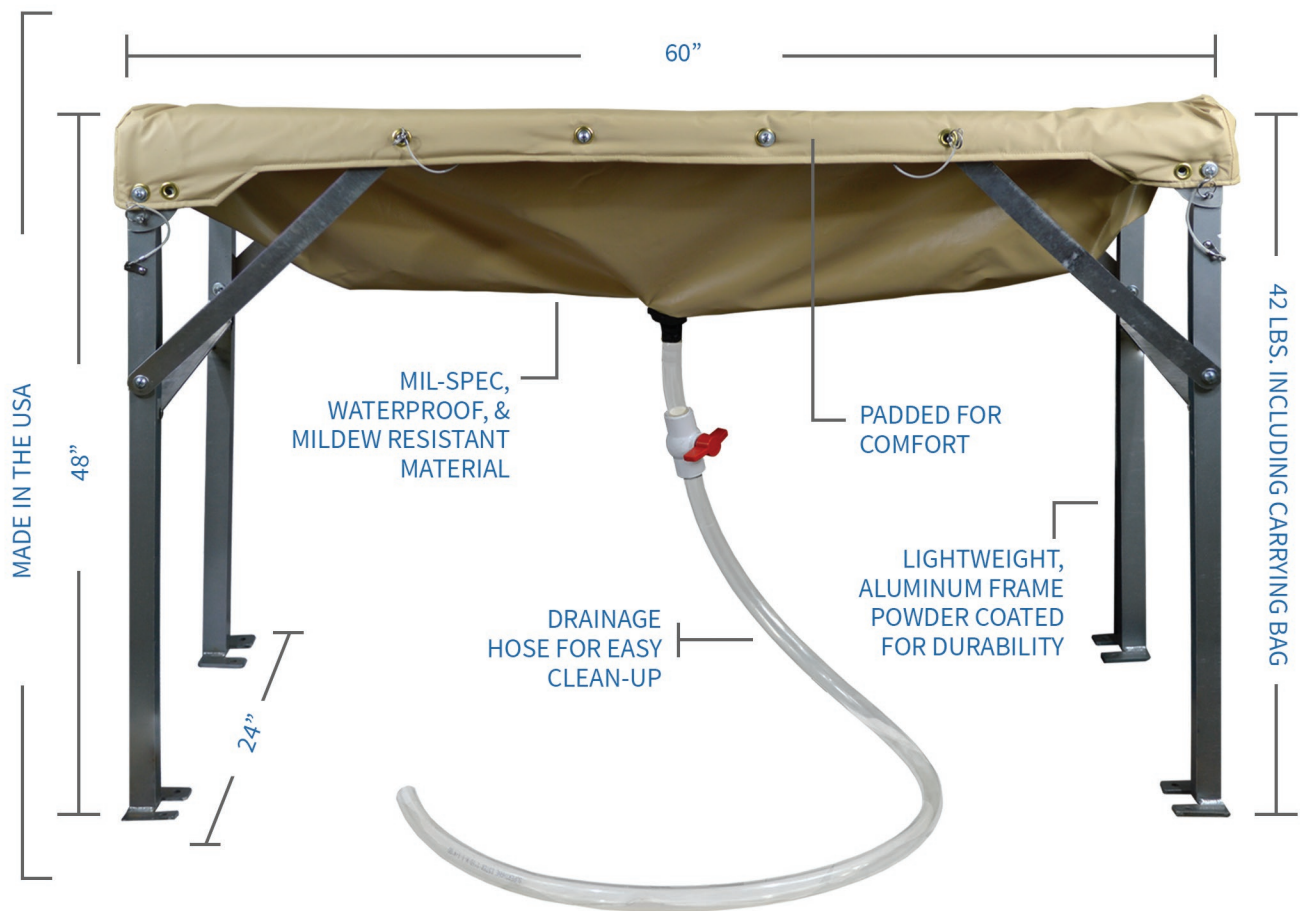
PERFECT FOR

- + Military Training
- + Fire Training
- + Athletic Training & Events
- + Responder Rehab
- + Construction Sites

COST ADVANTAGES

The U.S. Occupational and Health Administration estimates a single case of heat prostration can cost employers **\$53,589** in direct and indirect costs.

You could buy over 25 ICE Systems for less than one heat stress occurrence.



HOW IT WORKS

The **Immersion Cooling Equipment (ICE) system** enables users to rapidly cool their body. This is most effectively done when the user's forearms and hands are fully submerged in ice water. Heat transfers from the body to the ice in the system through convection and conduction. ICE optimizes the cooling effect and successfully lowers core temperature, which is related to heart rate and blood pressure reduction.

EFFECTS OF TEMPERATURE ON THE HUMAN BODY

A normal human body's skin temperature is approximately 91.4°F (33°C) and the comfort zone is between 82°F (28°C) and 100°F (38°C). When skin temperature rises above 100°F, the body enters the heat hazard zone and a person may experience heat-related illnesses such as heat stroke.

U.S. ARMY TESTED

ICE has been successfully implemented in military settings. It is easily transported to remote training sites and ranges.