

FAST & EASY

ICE & SNOW REMOVAL FROM AIRFIELD LIGHTING CANISTERS

Winters present unique challenges for airport maintenance personnel charged with maintaining airfield lighting systems. Dealing with frozen water or ground in order to perform necessary repairs is a major challenge in any cold climate—especially in remote airfield areas. Central Alaska Metalworks, Inc. manufactures an innovative, mobile solution: the ThawHead and Thaw Rig. This portable system excels at thawing ice and removing the meltwater and debris quickly and efficiently, to expose the area or container needing repair work.



THE THAWHEAD

At 40 inches tall, 11 inches in diameter and less than 40 pounds, the ThawHead thawing apparatus employs a two-stage process that first thaws and then evacuates ice and frozen dirt from an enclosure or work area. Because of its compact size, the apparatus is particularly useful at remote job sites or in work areas with limited access. It is environmentally friendly because it uses hot water with no added chemicals and does not damage the surrounding area.

Connected to a standard pressure washer via a high-pressure water supply hose, the ThawHead is positioned over the container or work area to be thawed. In the first part of the process, the thawing stage, the ThawHead directs targeted jets of high-pressure hot water through nozzles in the base of the apparatus to break up the frozen material. Part two, the evacuation stage, involves moving the base of the ThawHead off to the side, detaching the evacuation wand and inserting it into the melted slurry. Through a unique vortex action, the slurry is swiftly suctioned out through the discharge hose to the designated area or receptacle.



THE THAW RIG

Designed for use in cold climates, the Thaw Rig is the self-contained support system for the ThawHead. Within this trailer's well-insulated walls are the pressure washer, generator, water pump, electric heater, battery charger, polyethylene water tank, antifreeze storage tank and the ThawHead apparatus itself.

Watch a demonstration at:
www.youtube.com/watch?v=n70qcpP81g

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