ICECAP Cooling Unit

Specification Sheet

Product Overview

ICECAP is a cooling unit designed to be used with a 3M PAPR system. It is positioned between the respirator unit and the helmet to lower the temperature inside the helmet, enhancing comfort for users working in hot environments, reducing the risk of heat stress, and increasing the productivity of welders in hot ambient environments.

Technical Specifications:

- **Cooling Capacity:** Reduces helmet temperature by 12-14°C from ambient.
- Power Requirements:
 - o Input Voltage: 24V DC
 - Current: 7A (typical), 8A (maximum)
 - o Power Consumption: 168W (typical), 192W (maximum)

Included Components

- ICECAP cooling unit
- Connecting hose (for PAPR to ICECAP)
- Hose cover (for helmet attachment)
- Backpack and mount (for PAPR & ICECAP)
- 24V 8A power supply with 6m cable

Safety Information

- ICECAP is sealed and doesn't significantly impede the airflow from the PAPR unit. The airflow still exceeds 170L/min with the ICECAP connected, as suggested by 3M to effectively protect the user.
- All materials used in ICECAP are non-toxic and are not known to cause respiratory distress. Materials in contact with Filtered Air:
 - o **PETG** (Polyethylene Terephthalate Glycol)
 - Silicone
 - Aluminum
 - **EVA** (Ethylene Vinyl Acetate) used in the supplied hose.
 - **TPU** (Thermoplastic Polyurethane) used for gaskets.