



# SECTION 1 – SAFETY PRECAUTIONS – READ BEFORE USING

 Protect yourself and others from injury—read, follow, and save these important safety precautions and operating instructions.

## 1-1. Symbol Usage

 **DANGER!** – Indicates a hazardous situation which, if not avoided, will result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text.

 Indicates a hazardous situation which, if not avoided, could result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text.


**NOTICE** – Indicates statements not related to personal injury.


 Indicates special instructions.




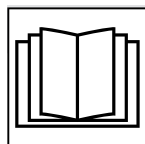
This group of symbols means Warning! Watch Out! ELECTRIC SHOCK, MOVING PARTS, and HOT PARTS hazards. Consult symbols and related instructions below for necessary actions to avoid these hazards.

## 1-2. Hazards

 The symbols shown below are used throughout this manual to call attention to and identify possible hazards. When you see the symbol, watch out, and follow the related instructions to avoid the hazard. The safety information given below is only a summary of the more complete safety information found in the Principal Safety Standards. Read and follow all Safety Standards.

 Only qualified persons should install, operate, maintain, and repair this equipment. A qualified person is defined as one who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training and experience, has successfully demonstrated the ability to solve or resolve problems relating to the subject matter, the work, or the project and has received safety training to recognize and avoid the hazards involved.

 During operation, keep everybody, especially children, away.



### READ INSTRUCTIONS.

- Read and follow all labels and the Owner's Manual carefully before installing, operating, or servicing unit. Read the safety information at the beginning of the manual and in each section.

- Use only genuine replacement parts from the manufacturer.
- Perform installation, maintenance, and service according to the Owner's Manuals, industry standards, and national, state, and local codes.



### HELMET COOLER MISUSE can be hazardous.

Welding produces fumes and gases. Breathing these fumes and gases can be hazardous to your health.

- Read and follow these instructions and the safety labels carefully. The helmet cooler is intended for use as a cooling device only. It is not a respiratory protective device and does not protect the user from airborne contaminants. Have an industrial hygienist test the air in your facility to determine if respiratory protection is required to provide adequate protection from contaminants in your environment. With cooling system-equipped helmet on your head and cooling system operating, also test the air inside the helmet to determine if respiratory protection is required. If you have questions about the type of respiratory protection equipment required, consult your safety director and a certified Industrial Hygienist.

- Do not use the helmet cooler until you have been trained in its proper operation by a qualified person.
- Do not use the helmet cooler where there is danger of fire or explosion.
- Do not use the helmet cooler in windy conditions, or negative pressure inside the hood can draw in contaminants from the outside air.
- Do not use the helmet cooler without a properly installed spark guard unless the unit is designed and intended to be used without one. Without the spark guard (on applicable products), welding sparks can ignite the filter or damage the filter.
- The helmet cooler does not supply oxygen. Do not use the helmet cooler where oxygen levels are 19.5% or lower, where contaminant levels are unknown or are immediately dangerous to life or health (IDLH), or where the contaminant levels exceed the equipment specifications.
- Do not enter a work area until you are sure the helmet cooler is assembled correctly, working properly, and worn properly.
- Before each use, inspect the helmet cooler for damage and verify it operates properly.
- Dangerous contaminants may not smell or be visible. Leave the area immediately if you notice any of the following:
  - Breathing becomes difficult.
  - You experience dizziness, impaired vision, or eye, nose, or mouth irritation.
  - The equipment is damaged.
- Do not repair, modify, or disassemble the helmet cooler or use with parts or accessories not supplied by the manufacturer.
- Do not operate the helmet cooler without properly installed filter (s). Replace damaged or plugged filters. Do not wash or reuse filters. Do not clean filters by tapping or with compressed air or filter elements can be damaged.
- Do not restrict or alter helmet cooler air flow. Do not block air inlet or outlet. Be sure safety glasses, hair, weld cap, and other objects do not block air flow.
- Do not use the helmet cooler belt as a safety harness.
- The helmet cooler contains electrical parts which have not been evaluated as an ignition source in flammable or explosive atmospheres by MSHA/NIOSH.

## 1-3. California Proposition 65 Warnings

 **WARNING – Cancer and Reproductive Harm — [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

## 1-4. Principal Safety Standards

*Safety in Welding, Cutting, and Allied Processes*, American Welding Society standard ANSI Standard Z49.1. Website: [www.aws.org](http://www.aws.org).

*Safe Practice For Occupational And Educational Eye And Face Protection*, ANSI Standard Z87.1, from American National Standards Institute. Website: [safetyequipment.org](http://safetyequipment.org).

*Safety in Welding, Cutting, and Allied Processes*, CSA Standard W117.2 from Canadian Standards Association. Website: [www.csagroup.org](http://www.csagroup.org).

Helmet Cooler 2024-01