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SAFE-HETE

Frequently Asked Questions

Who uses portable immersion-type water heaters?

Originally they were used to heat pails of water on the farm and for emergency use where hot water was lacking. With the SAFE-HETE Electric Water Heater, the uses have been expanded to many more applications. For example, in the construction industry, hot water changes the properties of many mixed materials not possible using cold water. In the chemical industry, hot water is necessary to obtain certain results. Hot water is used to shape plastics and to make color dyes more brilliant. It is also used to defrost freezers and is indispensable in the cleaning industry. Hot water is not only a convenience — it is a necessity, and available anywhere with SAFE-HETE.

Is this a new idea?

No, portable immersion water heaters have been around for decades. However, when operated under certain conditions, these earlier models could be hazardous. The development of SAFE-HETE eliminated these possible hazards.

Is an electric appliance safe in water?

The SAFE-HETE was the first portable immersion water heater accepted for listing by Underwriters Laboratories Inc., whose motto and function is Testing for Public Safety. All electric connections are double-insulated and a three-wire ground cord set is used to provide back-up protection should any operating part of the unit ever fail.

Why not just heat water in a pan?

Sometimes more water is needed. SAFE-HETE is the most convenient, efficient, and often the only way, to heat large volumes of water because the heater goes directly into the container.

How fast will it heat water?

This depends on where it is used. At room temperature, the 1150 watt unit will heat a gallon

from tap temperature to 90°F in about 10 minutes — the 1550 watt in about 7 minutes.

Will it boil water?

Yes. Given enough time, it will boil a 5 gallon pail of water. Larger amounts will take longer, and may not boil, but will get very hot.

What happens if the water boils out or if it is accidentally plugged into an outlet without being in water?

A Thermal Protector is internally connected so that within 2 or 3 minutes, under such conditions, the voltage will automatically be disconnected. Although it may take another 5 minutes to cool down in air, the heater is unaffected by this type of misuse. Once it is again placed in water, it will start to heat.

Why haven't I heard of SAFE-HETE before?

Until the development of the Thermally Protected SAFE-HETE, a heater subjected to operation without water would cause a fuse to rupture. This would keep the unit safe, but it would now be inoperative. Since it was impossible to tell whether a heater had a ruptured fuse due to misuse, or was defective, its appeal was limited.

What are the other features of this unit?

All operating parts are made of stainless steel, only the outer housing is aluminum. The heating element is constructed of Incoloy, the stainless steel alloy used for the most expensive electrical heaters. The insulated handle permits safe and convenient handling. All of the heat is concentrated in the 5 inch round by 1 1/4 inch high base so that it can be used in small sinks or pans.

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