

Port-A-Hot

A Submersible Water Heater Designed for Self-Contained Foot Pump Sink Systems

New Element!

Non breakable aluminum element replaces original glass element.

Compact 2 1/2" round x 18" PVC body

110 volts 250 watts

50" power cord

Preset for 108 degrees

7 to 15 foot pumps of warm water
with quick recovery time

Automatic element shut off protecting the element
from damage even with no water in heater and auto-
matically restarts when there is

Ten minute installation time

Out-of-sight installation within water reservoir

Color coded hook up tubing

Quick connect couplers included

2 Year Warranty



General Information Guide

This heater is designed to be submersible and is equipped with a aluminum element that replaces the original glass element. The new Port-A-Hot is much more durable and will provide many years of reliable service.

The Port-A-Hot is a low energy unit at only 110 volts and 250 watts. Up to 5 units may be plugged into a single 15-amp circuit and up to 7 on a 20-amp circuit. Water temperature is preset for 105/108 degrees Fahrenheit. Depending on the sink faucet design about 7 to 15 foot pumps of warm water is supplied with less than a three minute recovery time. This is more than adequate for normal hand washing. For high demand conditions such as freestanding sinks two Port-A-Hots may be installed back to back for up 40 foot pumps of warm water.

The fully submersible design makes installation in the water tank ideal for portable restrooms for out of sight installation and protection from abuse. The Port-A-Hot can be used in virtually all foot/hand pump sink systems with open access to water compartment, including “Bladder” type systems. Installation is to be within the fresh water tank only. For pressured water systems like Nu-Concepts, PolyJohn City Mains & Satellite Mains Connect, a larger Port-A-Hot equipped with a pressure & temperature relief valve is available.

Regulation

Warm wash requirements on job sites have been around since the seventies but as public awareness increases, they are becoming more enforced. Each enforcing agency or agent has their own depiction of how they are read and no matter what the laws are; they are dependent on enforcement.

When a contractor is faced with needing to supply warm wash facilities on the job site, it is their job to call on sanitation services for options they can readily supply. Full-scale trailers equipped with hot and cold sinks and flushing toilets normally satisfy the requirements. In some circumstances however it may be impossible to supply what is not reasonably available. The enforcing agent will generally sign off on the best available solution.

Options

Port-A-Hot is a simple and economical solution anyone can access. A Port-A-Hot will convert any foot pump sink system into a warm hand washing station. In many cases where trailers were once required a portable restroom with a warm wash sink and fresh water combined with a re-circulating flush toilet satisfy the requirements. This application is especially effective for sites without sewer access, short-term applications, placing at multiple locations and on sites with limited space. Free-standing foot pump sink systems at the job-site lunch area and at special events are also a popular option.

Service

Sanitation service companies can offer economic solutions to their customers needs and reasonably increase rental income at the same time. A Port-A-Hot added to a sink system ranges from \$5.00 to \$10.00 a week of additional rental, depending on the term length. To protect the supplier from possible damages out of their control, a written agreement for the value should be established at the start of service.

Installation

With 24" color coded tubing (red-hot, blue-cold) protruding from the top of the pvc body, connection of the Port-A-Hot in sink system is as easy as splicing a hose. The Port-A-Hot is designed to be installed vertically and will operate most efficiently in this upright position. The red tubing will act as the vertical support inside the water reservoir of the sink. No other support is needed. This is accomplished by trimming the red tube to a length that allows for connection to the faucet with the Port-A-Hot resting on the bottom of the tank when the basin is in its operation position. Attention to this one detail will ensure proper operation and performance. A small amount



of lean and movement is expected. The blue tube connects to the supply line previously connected to the faucet with the provided adapter/coupler, trim as needed. To remove the tubing from the adapter simply depress the culet towards the adapter body and pull the tubing out.

Most of the newer faucet heads are using the same kind of culet type connection and no adapter is needed. For older sinks and for unreachable faucet heads extra adapters are available through EZ Systems or a Parker Distributor.



The Port-A-Hot is supplied with a power cord long enough to be extended over the sink edge and out to the bottom exterior of the portable restroom. This can be accomplished by slipping the cord between the skid and wall panel, or by drilling a 1" hole through the panel at floor level. In some sink designs it may be necessary to drill a 1" hole a few inches down from the top of the tank. This allows power cord to exit the water tank at a lower level in order to reach bottom of exterior wall panel.

Before plugging the Port-A-Hot to power be sure to pump the sink system until it has filled the entire heater core and water is coming out of the facet. Cold water on a unprimed hot element will result in breakage.

To protect during service in freezing weather, make sure the Port-A-Hot remains plugged in so it maintains its heat. It will not protect the rest of the system from freezing. Drain water or have adequate antifreeze in the water system when the heater is not in service.