REPLACEMENT PART | HAND WASH STATION | V1 CLASSIC

# LAVADVANTAGE TANKLESS HEATER

The Eemax SPEX2412T heats the V1 Classic Loo's hand-wash water on demand. This compact 120 V point-of-use heater has thermostatic control and a digital display, and no storage tank.




| | |
|---|---|
| **120 V**<br>2.4 kW, single phase | **20 A**<br>Breaker, 12 AWG copper |
| **0.2 GPM**<br>Turn-on flow, made for low-flow faucets | **70–140°F**<br>Adjustable setpoint |

## OVERVIEW

The Eemax LavAdvantage SPEX2412T is the hand-wash water heater on the V1 Classic Portland Loo. It's a thermostatic tankless heater: a built-in flow meter and inlet and outlet temperature sensors adjust the power in real time, so water reaches the setpoint without a storage tank to keep hot.

At 10.75" x 5.25" x 3" and about 4 lb, it mounts in any orientation in the utility area, needs only one supply line and connects with 3/8" compression fittings. No soldering is needed.

## KEY FEATURES

**01 Thermostatic control**
The digital LED display shows the setpoint, flow, and inlet and outlet temperatures. Use the + and – buttons to adjust the setpoint.

**02 Low-flow ready**
Turns on at just 0.2 GPM, so it works with metering faucets and pushbutton valves.

**03 Protects itself**
SafeStart helps prevent dry firing at start-up, a high-limit switch stops overheating, and the control board logs the last 5 faults.

**04 Field serviceable**
The nichrome cartridge element and the inlet filter are both replaceable. No T&P relief valve is needed (check local codes).

## SPECIFICATIONS

| ITEM | DETAIL |
|---|---|
| **Model** | Eemax LavAdvantage SPEX2412T thermostatic tankless electric water heater |
| **Electrical** | 120 V, single phase, 2.4 kW, 20 A draw; (1x20) A breaker; 12 AWG wire (75°C copper) |
| **Temperature** | Adjustable 70–140°F, with a digital LED display and + / – controls |
| **Turn-on flow** | 0.2 GPM |
| **Temperature rise** | 47°F @ 0.35 GPM · 33°F @ 0.5 GPM · 16°F @ 1.0 GPM · 8°F @ 2.0 GPM |
| **Water pressure** | 30 PSI min, 150 PSI max |
| **Connections** | Integral 3/8" compression fittings; one supply line (hot or cold); replaceable inlet filter |
| **Element** | Replaceable iron-free nichrome cartridge insert |
| **Cover** | White ABS, UL 94 5VA rated |
| **Size / weight** | 10.75" H x 5.25" W x 3" D; 4 lb |
| **Mounting** | Any orientation. Mount within 2 ft of the fixture for best performance. |
| **Listing** | UL file E86887; complies with UL or ETL under CAN/CSA-C22.2 No. 64/No. 88 |
| **Warranty** | 5-year limited on leaks, 1 year on parts (Eemax) |

## ORDERING OPTIONS

| OPTION | STANDARD | AVAILABLE ON REQUEST |
|---|---|---|
| **Fits** | V1 Classic STD | — (not offered on the XL) |
| **Disconnect** | — | Eemax EX68031-15 disconnect switch |

## VIEWS




**Front.** Digital display, setpoint controls and the menu guide.




**Front, cover on.** The housing with the lower access cover in place.




**3/4 view.** Compact housing with the rating label on the side.

### INSTALL TIP

Put the heater on a dedicated 20 A circuit with 12 AWG copper, within 2 ft of the faucet. Don't use it in a recirculation loop. At low flow it adds about 33°F at 0.5 GPM, so very cold supply water will come out cooler at the tap.