

COLD WEATHER · RECIRCULATION

EMT250 MINI TANK WATER HEATER

The 2.5-gallon tank at the heart of Madden Fabrication's cold weather toilet recirculating system.

2.5 gal

GLASS-LINED TANK

120V · 1,440 WPLUGS INTO A STANDARD
OUTLET**50-140°F**

ADJUSTABLE TEMPERATURE

-10°FLOO OPERATION WITH THE
FULL SYSTEM

OVERVIEW

Freezing weather is hard on any outdoor restroom's toilet plumbing. Madden Fabrication's cold weather recirculating system keeps warm water moving through the toilet supply, and this Eemax mini tank is what heats it. The system is custom made in America by Madden Fabrication.

The EMT250 is compact, glass lined and plugs into a standard 120V outlet. A status light shows green when it's ready and red while it's heating, and the T&P relief valve and wall bracket come in the box.

01 BUILT FOR THE COLD

Part of the Madden Extreme Cold Weather System that lets the Portland Loo keep running down to -10°F.

03 MADE TO LAST

A glass-lined, single-weld tank and a field-replaceable element. 5-year limited warranty on leaks.

02 FAST RECOVERY

Reheats a full tank in about 15 minutes for a 60°F temperature rise.

04 EASY TO SERVICE

Top-mounted 1/2" NPT connections and a plug-in cord make swapping a tank quick for maintenance crews.



EXTREME COLD

Pair the recirculating system with Madden's flush flow assist valve and Extreme Cold Weather Curtain. Together they form the Madden Extreme Cold Weather System, which lets the Portland Loo operate in temperatures as low as -10°F.

SPECIFICATIONS

Model	Eemax Mini Tank EMT2.5 electric water heater · Loo part EMT250
Tank	2.5 gallons, glass lined, single-weld design, field-replaceable element
Electrical	120V, single phase, 12 A, 1,440 W (1.4 kW) · cord included, plugs into a standard outlet
Temperature	Adjustable 50–140°F · status light: green = ready, red = heating
Recovery	About 15 minutes for a 60°F rise
Connections	1/2" NPT hot and cold at the top of the unit · hot or cold water feed
Pressure / relief	150 PSI max operating · T&P relief valve included
Size / weight	17" H × 11" W × 11.25" D · 15.5 lb (20 lb shipping)
Mounting	Floor or wall, wall bracket included
Compliance	ETL tested to UL 174 and NSF 372 · CSA C22.2 No. 110
Warranty	5-year limited on leaks, 2-year on defects (Eemax)

MADDEN EXTREME COLD WEATHER SYSTEM

COMPONENT	ROLE
Cold weather toilet recirculating system	Keeps heated water from this EMT250 tank circulating through the toilet supply. Custom made in America by Madden Fabrication.
Flush flow assist valve	Works with the recirculating system to keep the toilet flushing in freezing weather.
Extreme Cold Weather Curtain	Blocks cold air and wind chill coming through the Loo's upper and lower louvers.

With all three installed, the Portland Loo can operate in temperatures as low as -10°F.

VIEWS



FRONT

T&P relief valve on top, temperature dial and status light.



BACK

Wall bracket mount and plug-in cord.



INSTALLED

Installed with the recirculating pump and valves.