Compact Point-Of-Use Electric Water Heater

1 Gallon, 1000 Watts, 120 Volts, 1 Phase

Model CE110

Features

- **Heavy Duty Construction**
  - — Stainless Steel tank and a low watt density heating element provide long service life
  - — Reliable, trouble-free design ensures complete end-user satisfaction
  - — Ten (10) year warranty covers the entire heater
- **Compact Design**
  - — Under the counter installation installs directly in piping
  - — Space saving design requires no floor space
- **Versatile**
  - — Thermostat allows contractor to adjust water temperature
  - — No flow restrictor or special aerator required
  - — Low amperage design reduces peak power consumption

Applications

- Wash Rooms
- Lavatory Sinks
- Food Carts
- OEM Applications

The Model CE110 is a compact heater easily installed at the point-of-use

The Most Reliable Point-Of-Use Water Heater Available

The Hubbell CE110 is a compact point-of-use water heater which does not take up any floor space and eliminates the need for long pipe runs from a central heater. The CE110 is simple to install and operates with all types of fixtures. The Model CE110 does not require a special faucet aerator or any type of flow restricting device and will not alter the performance or appearance of a fixture. Its rugged construction ensures reliable and trouble free operation and is backed by a full ten (10) year Non Pro-Rated warranty covering both the vessel and the electrical controls. It makes sense to specify and install a Hubbell CE110 because it will provide the owner with a reliable, long lasting, and trouble-free source for hot water.

Compact Water Heater Eliminates Long Piping Runs

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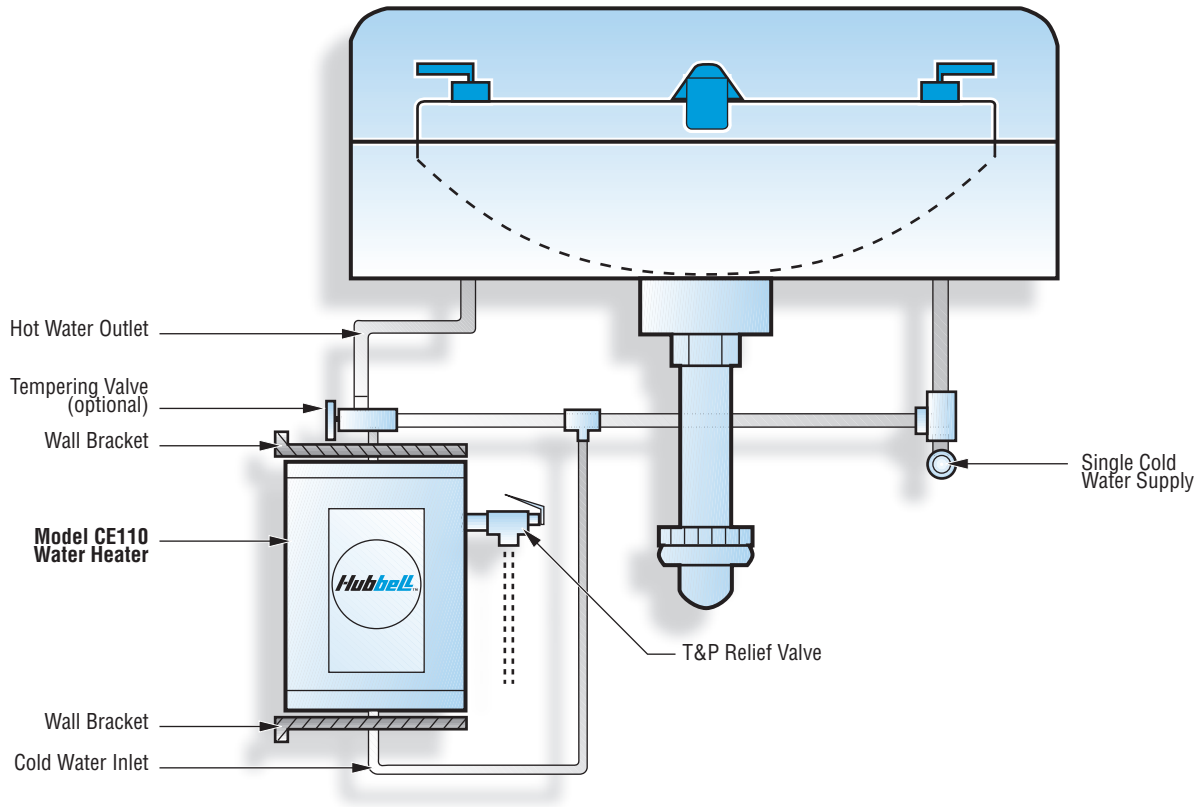
Typical Lavatory Installation



Optional Equipment

☐ **1.** Tempering valve to increase the amount of hot water available. Valve is 1/2" size and adjustable from 100-130°F. Typically used when supplying hot water to multiple lavs from a single CE110.

☐ **2.** Low amperage / wattage model is 450 watts and draws 4 amps at 120 volt, 1 phase power. Please specify Model CE110-450W

Model CE110 Water Heater Specifications

Tank:	Stainless Steel
Storage Capacity:	1 Gallon
Orientation:	Vertical
Voltage:	120 Volt
Phase:	1 Phase
Wattage	1000 Watts
Optional:	450 Watts
Recovery Rate	45-110°F (65°F ΔT)
No Tempering Valve:	6.3 GPH
With Tempering Valve:	11.5 GPH
Connection Size	
Inlet:	1/4" Male NPT
Outlet:	1/4" Male NPT
Relief Valve:	3/4" Female NPT

Thermostat Range:	110-170°F
Hi-Limit:	190°F (fixed)
Design WP:	150 psi
Test Pressure:	300 psi
Element:	Copper Sheathed
Insulation:	1" Fiberglass
Warranty	
Tank:	10 Year Non Pro-Rated
Electrical:	10 Year Non Pro-Rated
Jacket:	20 GA Galvanized Steel
Finish:	Blue-Green Hammertone
Shipping Weight:	15 LBS

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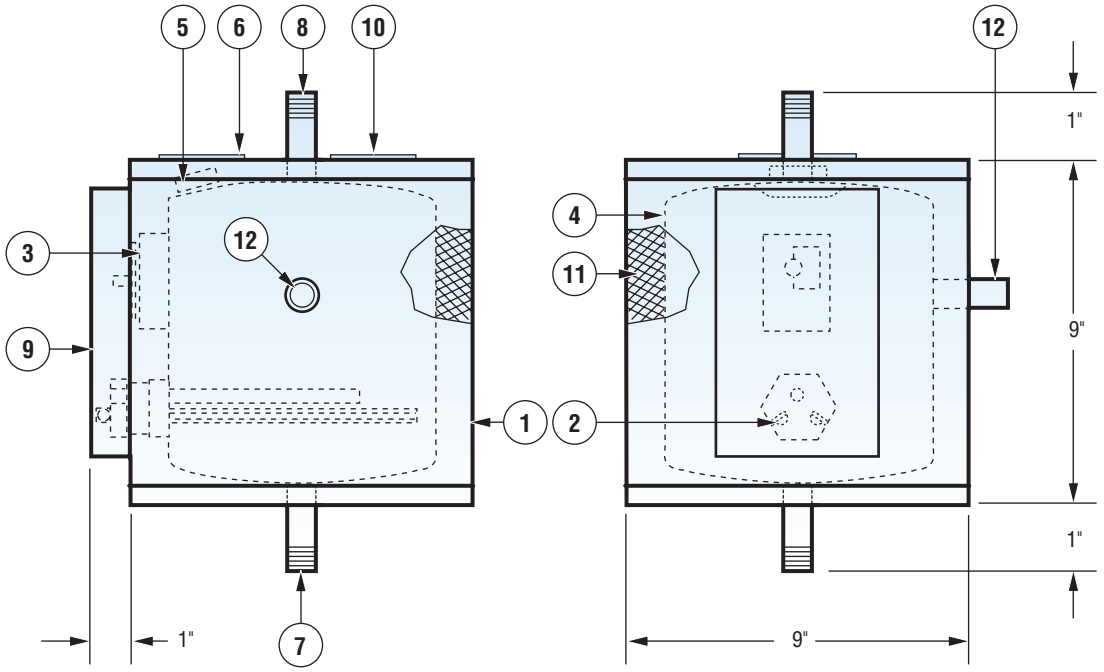
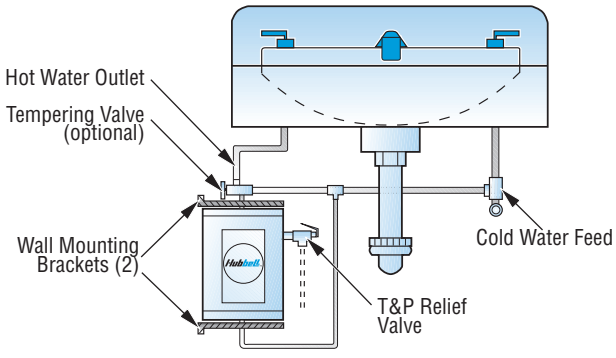
PC Number	Description	PC Number	Description
1	Jacket Blue-Green Enamel	7	Cold Water Inlet - 1/4" Male NPT
2	Heating Element - 1000 Watts, 120V	8	Hot Water Inlet - 1/4" Male NPT
3	Thermostat 110-170°F	9	Front Cover
4	Stainless Steel Tank - 1 Gallon	10	Electrical Service Entrance
5	Hi Limit Manual Reset - 190°F	11	Insulation Fiberglass 1" Thick
6	Access Plate To Hi-Limit	12	T&P Relief Valve Opening

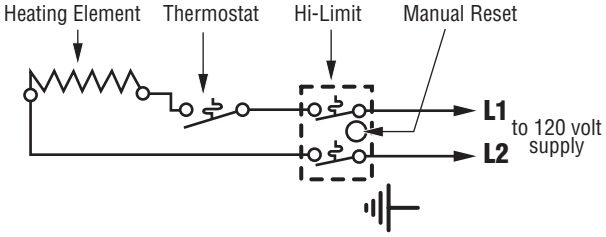


Side View **Front View**

Typical Lavatory Installation



Wiring Diagram



- **Optional Equipment:**
  - Tempering valve to increase the supply of hot water to 11.5 GPH 45-110°F
  - 450 watt model, please specify model CE110-450 W rated 4 amp at 120 V

Notes:

1. Unit rated for 150 psi WP
2. Recovery rated 6.3 GPH 45-110°F and will draw 8.3 amps at 120 V, 1 PH
3. Unit supplied with two (2) wall mounting brackets
4. Unit supplied with T&P relief valve set at 150 psi and 210°F

Hubbell™ Electric Water Heater

Model CE110

1 Gallon ▪ 1000 Watt ▪ 120 Volt ▪ 1 Phase

The Electric Heater Company ▪ Stratford, CT

By R.P.	Drawing Number 208

MASTER SPECIFICATIONS: MODEL CE110

JOB NAME _____ ENGINEER _____

REPRESENTATIVE _____ CONTRACTOR _____

GENERAL

Provide a quantity of _____ point-of-use electric water heater(s) Model CE110 **(☐ Optional Specification:** *Model CE110-450W* **)** as manufactured by HUBBELL Electric Heater Co., Stratford, CT. The pressure section shall be constructed of stainless steel and rated for 150psi working pressure. The water heater is designed for installation directly under the plumbing fixture without occupying any floor space. The tank is to be jacketed and insulated with "E" type high density energy efficient insulation and finished in hammertone enamel. The immersion copper sheathed heating element shall be rated at 1000 Watts **(☐ Optional Specifications:** *450 Watts* **)**, 120 Volt, Single Phase, 60 Hz power and have a maximum rating of 50 Watts per square inch to ensure heating element longevity. The immersion heater shall be controlled by an adjustable 110-170°F thermostat and will provide hot water at the stated GPH recovery rate regardless of the short term flow rate at the point-of-use fixture. The water heater shall not require the removal or replacement of the original faucet mounted aerator or the installation of a flow restricting device, and the heater shall be operable from 0-150psi working pressure. The heater shall include an over-temperature manual reset Hi-Limit designed to disconnect all conductors to the heating element in the event of an over-temperature condition. Water heaters relying solely on an automatic reset-ting Hi-Limit device will not be acceptable. Two (2) wall brackets shall be supplied for wall mounting. An ASME rated combination temperature and pressure safety relief valve set at 150psi and 210°F shall be factory supplied for in the field installation.

In addition, the heater may be supplied with the following optional feature:

☐ **Option:**

Tempering Valve to extend the hot water supply - 1/2", 100-130°F.

WARRANTY

The water heater manufacturer shall offer a comprehensive full ten (10) year Non Pro-Rated warranty against defects in workmanship and material covering the entire unit including all electrical components and the pressure section, provided that the unit(s) are started within three (3) months of date of shipment and installed and operated within the scope of the unit's design and operating capabilities.

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