

Hot Water Where You Need It

Point-of-Use Electric Mini-Tank Water Heaters

Bosch Tronic 3000T Series

Models ES8, ES4, ES2.5

Note: All Tronic 3000T models are sold in the U.S. only.



BOSCH

Invented for life



The Bosch Tronic 3000T point-of-use electric mini-tanks are available in three sizes which can be wall-hung (bracket included) or floor-mounted and come with a temperature/pressure relief valve. Simply tap into the cold water line, provide electrical connection and install the water heater directly at the sink to provide hot water. They may also be installed inline near the point-of-use to eliminate waiting for hot water from the primary source.

Features

- ▶ Supplies up to 2 sinks at a time (ES8 model)
- ▶ Provides hot water quickly at point-of-use
- ▶ Compact, lightweight, space saving
- ▶ Units can be wall / floor mounted (bracket included) with multi-directional mounting available (ES8 model only)
- ▶ Temperature / pressure relief valve included
- ▶ Glass-lined tank for long service life
- ▶ Models ES2.5 and ES4 have a simple 120 VAC plug-in connection
- ▶ 8 year limited warranty[§]



Common Applications

- ▶ Sink located far from water heater
- ▶ Kitchenettes
- ▶ In-law suites
- ▶ Half bathroom or powder room

[§] Copies of original warranties in their entirety are available at www.bosch-climate.us

Bosch Tronic 3000T

Point-of-Use Electric Mini-Tank Water Heaters

Easy Installation

Simply tap into cold water line, provide electrical connection and install the water heater directly at the sink. Can be used alone to provide a small volume of water or installed inline near the point-of-use with a larger hot water source to eliminate the wait for hot water.



Technical Specifications	ES8	ES4	ES2.5
Part Number	7736500902	7736500901	7736500900
Thermal Efficiency	98%	98%	98%
Tank Volume (gal)	7.1	4	2.7
Heating Capacity, Watts	1440	1440	1440
Recovery Rate @ 90°F Rise, GPH	6.8	6.8	6.8
Temperature Range (°F)	65 - 145	65 - 145	65 - 145
Max Operating Pressure (psi)	150	150	150
Weight (lbs)	29.5	17.3	15.5
Dimensions (in)	17½ x 17½ x 14½	14 x 14 x 12¼	14 x 14 x 10¼
Water Fittings	¾" Male NPT	½" Male NPT	½" Male NPT
Relief Valve	Included	Installed	Installed
Electrical Requirements			
Volts (VAC)	120	120	120
Amps	12	12	12
Wire Type	Hard Wired	Plug-In	Plug-In

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No more waiting for hot water. Ideal for stand-alone use or recirculation systems.

IMPORTANT
Do not install the unit in an area where leaks will damage the surrounding area. If this is not possible, a suitable drain pan must be utilized as required by most plumbing codes.

Relief valve is required; however it is not shown in above photo for clarity.

Bosch Thermotechnology Corp.

Londonderry, NH • Ft. Lauderdale, FL
General Inquiries: 1-866-330-2725
Technical Support: 1-866-330-2730
www.bosch-climate.us

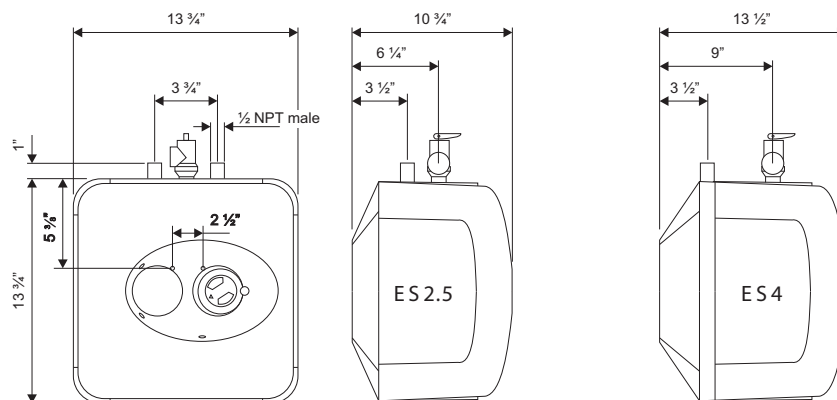
TRONIC ES2.5, ES4, ES8 Point-of-Use Electric Mini-Tank Water Heaters

Engineering
Submittal
Sheet

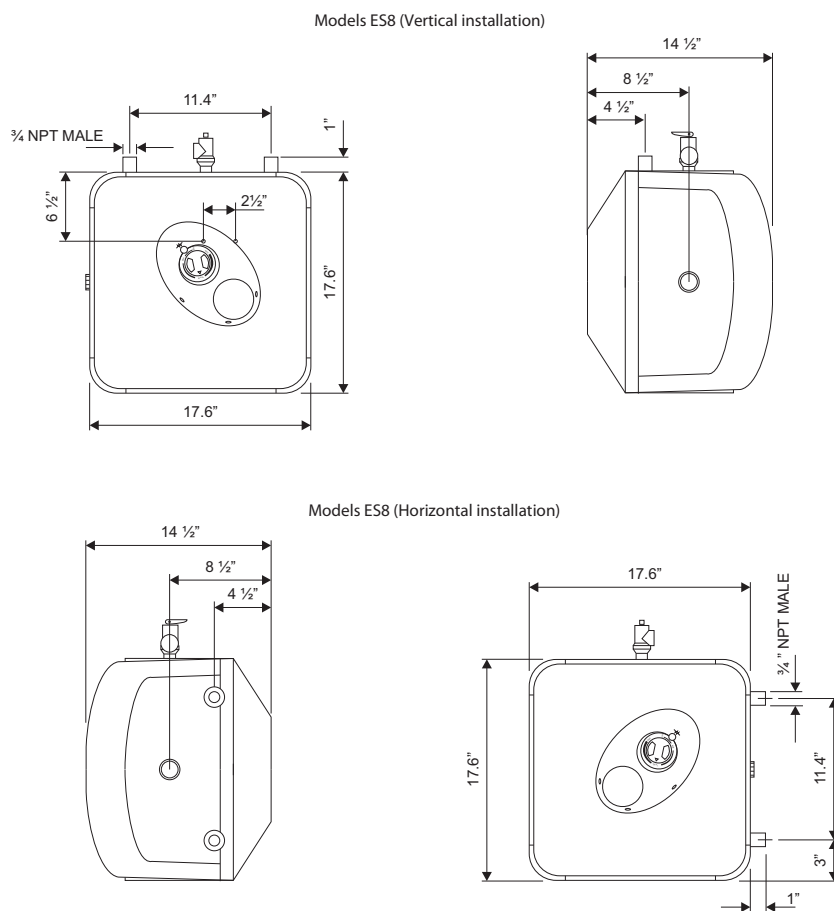


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ES2.5-ES4 Dimensions



ES8 Dimensions



TRONIC ES2.5, ES4, ES8

Point-of-Use Electric Mini-Tank Water Heaters



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Engineering Specifications

Water heater shall be a Model TRONIC ES2.5, ES4 or, ES8

Installation shall consist of ___Model TRONIC ES2.5 electric mini-tank water heaters as distributed by Bosch Thermotechnology Corp. and 98% thermal efficiency. Supply voltage shall be 110 - 120VAC with a heating capacity of 1440 Watts.

Installation shall consist of ___Model TRONIC ES4 electric mini-tank water heaters as distributed by Bosch Thermotechnology Corp. and 98% thermal efficiency. Supply voltage shall be 110 - 120VAC with a heating capacity of 1440 Watts.

Installation shall consist of ___Model TRONIC ES8 electric mini-tank water heaters as distributed by Bosch Thermotechnology Corp. and 98% thermal efficiency. Supply voltage shall be 110 - 120VAC with a heating capacity of 1440 Watts.

The electric mini-tank water heaters shall be UL listed for the US and Canada and UPC certified.

CONSTRUCTION

Water heater shall be electrically powered with compact mini-tank design for point-of-use operation and an efficiency rating of 98%. Tank shall be glass-lined and insulated for thermal retention. Unit shall be protected by a tough plastic housing. Tank shall be rated for maximum working pressure not less than 150 psig. Water heater shall be equipped with a pressure relief valve and a magnesium anode rod for protection against tank corrosion. Water connections for inlet and outlet shall be ½" NPT male for ES2.5 and ES4. Water connections for inlet and outlet shall be ¾" NPT male for ES8.

The controls shall be a wired thermostat with temperature selector and a high temperature safety cut-out. A red light shall indicate when the unit is powering the heating element.

INSTALLATION

All aspects of installation of electric mini-tank water heater shall be in strict accordance with manufacturer's instructions. Materials shall conform to all manufacturer's recommendations including electrical connections and wiring. Water heater piping shall be field constructed of materials as specified. Water heater shall be installed with water shutoff valves for service and maintenance.

MODE OF OPERATION

The heater shall include integral factory wired thermostat to control all operation and energy input. Control of outlet water temperature shall be set through an internal set point with a field adjustment of 65 to 145 degrees F. Heater shall be capable of maintaining the temperature set point +/- 3 degrees F by supplying power to the 1440 Watt heating element.

WARRANTY

The inner tank shall carry a 8 year warranty. All other parts and components shall carry a 1 year warranty against defects in materials or workmanship.



TRONIC ES2.5, ES4, ES8

Point-of-Use Electric Mini-Tank Water Heaters

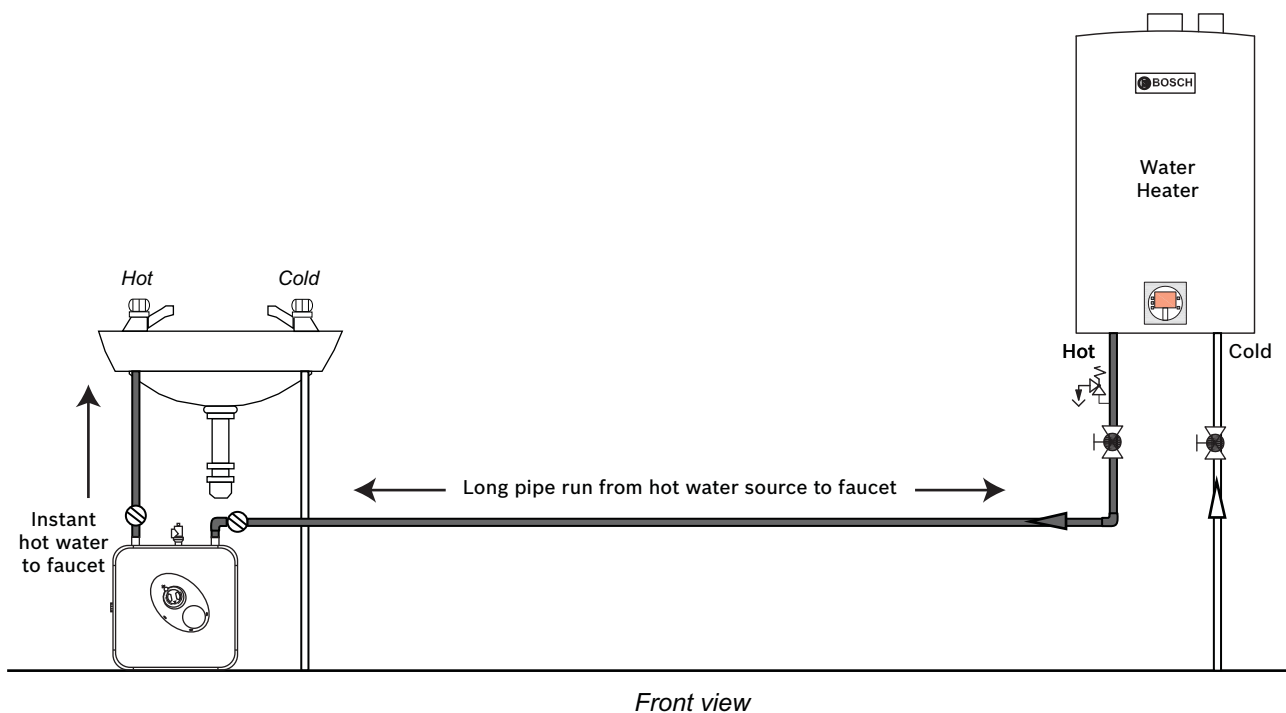


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Technical Data

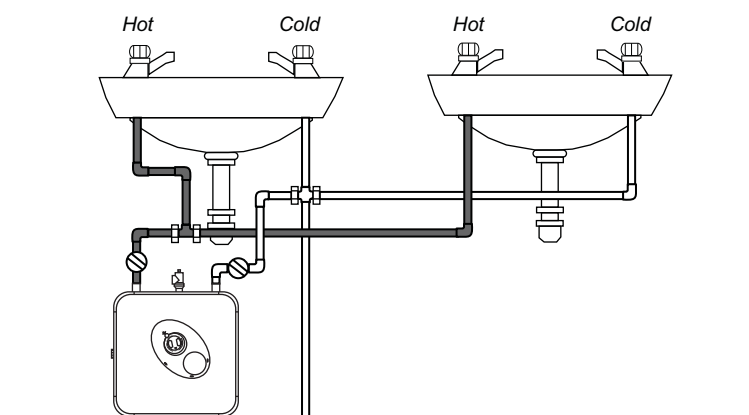
Description	Unit	ES8	ES4	ES2.5
Part number	–	7736500902	7736500901	7736500900
Thermal Efficiency	%	98	98	98
Volts	VAC	110 - 120	110 - 120	110 - 120
Amps	Ω	12	12	12
Wire Type	–	Hard Wired	Plug-In	Plug-In
Tank Volume	GAL	7.1	4	2.7
Heating Capacity	Watts	1440	1440	1440
Recovery Rate @ 90°F Rise	GPH	6.8	6.8	6.8
Temperature Range	° F	65 - 145	65 - 145	65 - 145
Max Operating Pressure	psi	150	150	150
Weight	lbs	29.5	17.3	15.5
Water Fittings	° F	¾" Male NPT	½" Male NPT	½" Male NPT
Relieve Valve	–	Included	Installed	Installed
Certifications	–	 		

Installation Example 1 - Booster Application



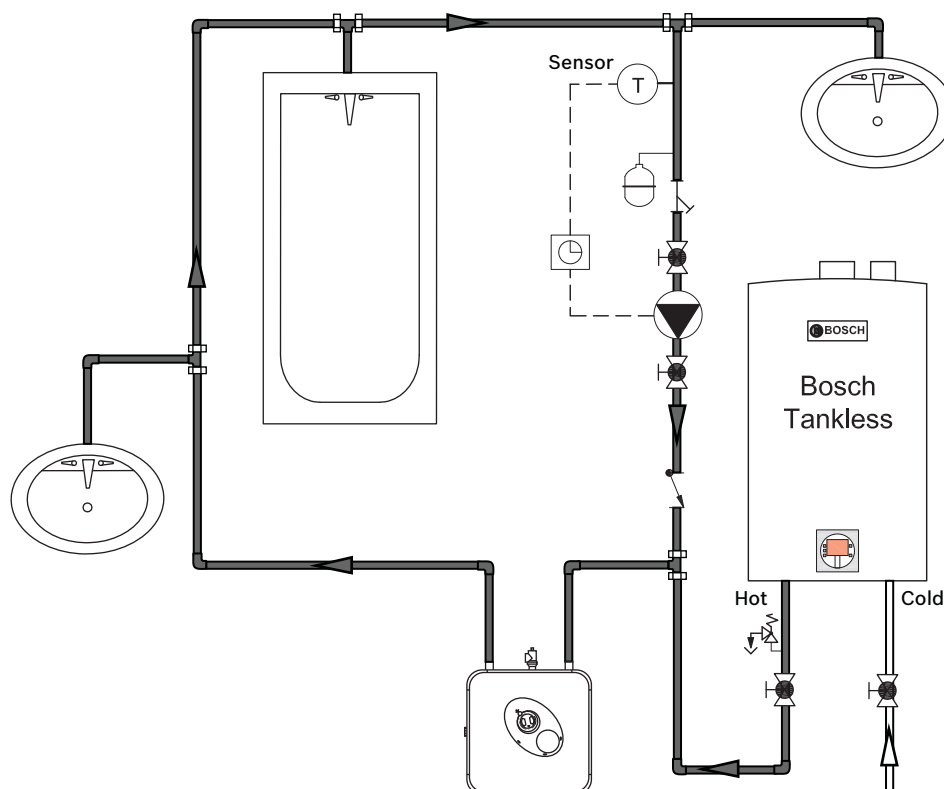


Installation Example 2 - Point-Of-Use Application



Front view

Installation Example 3 Domestic Hot Water Recirculation Application

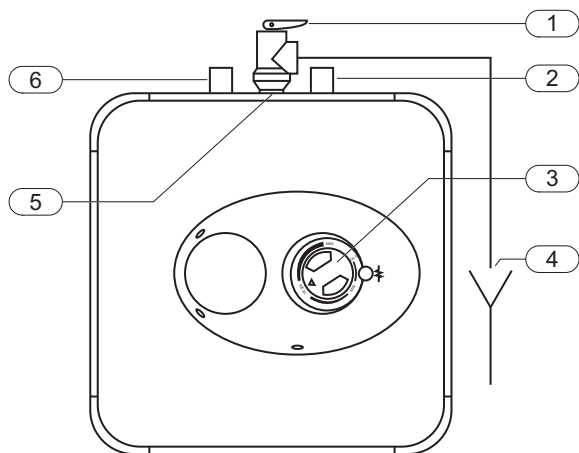


TRONIC ES2.5, ES4, ES8 Point-of-Use Electric Mini-Tank Water Heaters



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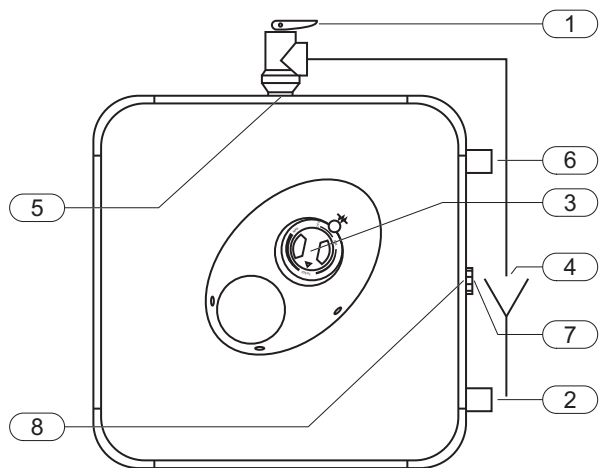
ES2.5 & ES4 Components



Components Legend

- 1 Temperature & pressure relief valve, ¼ NPT male
- 2 Cold water inlet ½ NPT male
- 3 Thermostat
- 4 Temperature & pressure relief valve discharge line to drain
- 5 ¼ NPT female tapping for relief valve
- 6 Hot water outlet ½ NPT male

ES8 Components



Components Legend

- 1 Temperature & pressure relief valve, ¼ NPT male
- 2 Cold water inlet ¾ NPT male
- 3 Thermostat
- 4 Temperature & pressure relief valve discharge line to drain
- 5 ¾ NPT female tapping for relief valve
- 6 Hot water outlet ¾ NPT male
- 7 ¾ NPT male plug
- 8 ¾ NPT female tapping for tap