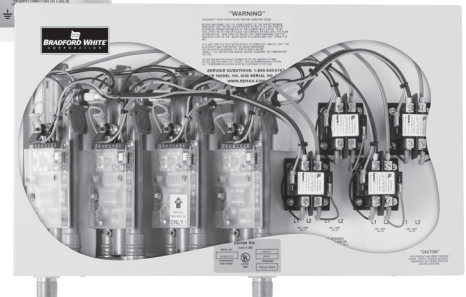
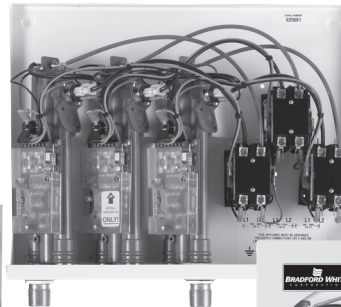
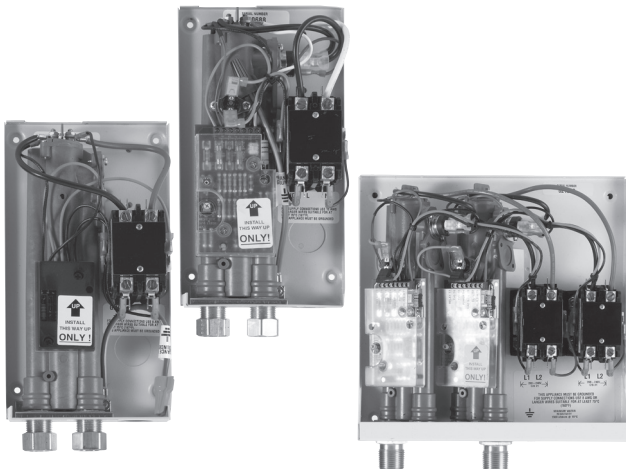


Electric Tankless Water Heaters



The KwickShot® Electric Tankless Water Heaters Models Feature:

- **On Demand Hot Water**—No delay.
- **Reduced Energy Waste**—Flow switch activates heater only on demand (no stand-by heat loss). 99% efficient.
- **Continuous Hot Water**—No storage capacity to run out.
- **No Need for a T&P Relief Valve**—Check local codes.
- **Integral Flow Restrictor**—Built-in to ensure proper temperature rise.
- **Prevention Of Bacteria Growth.**
- **Easy Installation**—Mounts on wall – no sweat connections.
- **Ni Chrome Heating Element**—A unique, patented flow path ensures optimum heat transfer and extended element life.
- **Durable Design**—Reduces calcification and sedimentation.
- **Space Saving Installation**—Compact size.
- **High Temperature Limit Switch (ECO)**—Protects against element burn out, with Auto Reset.
- **Warranty**—Heaters are designed for durability and guaranteed against failure due to leaks of Heater Body/ Element Assembly for a period of 10 years. Field serviceable element with replaceable cartridge element (1 year warranty).
- **Single Phase and Three Phase models**—Single Phase models 240 volt and below are cUL certified.



For more information on warranty, please visit www.bradfordwhite.com
For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties.
See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012. KwickShot® is a registered trademark of Bradford White® Corporation.

Electric Tankless Water Heaters



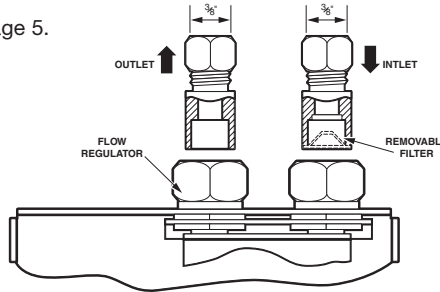
Single Point (Single Phase)

Integral 0.5 GPM flow control and faucet aerator provided.
Integral 1.0 GPM flow control and faucet aerator provided with ES-5500-4-S-10

Model Number	kW Rating	Voltage	AMPS	Temperature Rise °F 0.5 GPM	Recommended Wire Size
ES-3000-1-S-10	3.0	120	25.0	41	10 AWG
ES-3500-1-S-10	3.5	120	29.0	48	10 AWG
ES-3500-4-S-10	3.5	240	14.6	48	12 AWG
ES-4100-2-S-10	4.1	208	19.7	56	12 AWG
ES-4100-5-S-10	4.1	277	14.8	56	14 AWG
ES-5500-4-S-10	5.5	240	22.9	37.5*	10 AWG

*Temperature rise °F 1.0 GPM

Refer to Voltage Identification Code Chart on page 5.



Specifications:

Dimensions: 10 3/4" x 5 1/4" x 2 7/8"

Weight: 3 lbs.

Materials:

Cover: ABS UL rated 94Vo.

Glass reinforced Fortron®

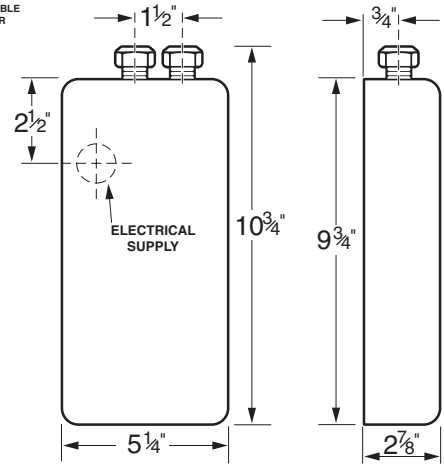
Heater Body and Ni Chrome Element

Color: White

Element: Replaceable cartridge insert

Pipe-Fittings: 3/8" compression at top of unit.

Operating Pressure: Min 25 PSI, Max 150 PSI.



Thermostatic (Single Phase)

Turn on 0.5 GPM (up to 5.5kW)
Turn on 0.6 GPM (6.5kW & 7.5kW)
Turn on 0.7 GPM (8kW and up)
Max Flow 2.0 GPM

Model Number	kW Rating	Voltage	AMPS	Temperature Rise °F					Recommended Wire Size
				0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM	
EFT-7500-4-S-10	7.5	240	32.0	—	68	51	34	25	8 AWG
EFT-9500-4-S-10	9.5	240	40.0	—	86	65	43	32	8 AWG

Note: Designed to comply with 0.5GPM hand washing code target outlet temperature 105°F - 110°F. Please consult local codes for electrical requirements. Additional voltages and wattages are available. For more information please consult factory.

Refer to Voltage Identification Code Chart on page 5.

Applications: Single Phase Only.

Dishwashers, Boosters (to 180°F). Schools, Hospitals, Nursing Homes, Laboratories. Emergency Eye Wash Fountains. Single and Multiple Hand wash Stations.

Please specify your application when you place your order.

Example: EFT-9500-4-S-10-S (Dishwasher 180°F)

SPEC OPTIONS:

- S - Sanitation Setting 180°F
- FS - Factory Set Temperature (Ambient to 180°F)

Specifications:

Dimensions: 10 3/4" x 5 1/4" x 2 7/8"

Weight: 3 lbs.

Materials:

Cover: ABS UL rated 94Vo.

Glass reinforced Fortron® Heater Body and Ni

Chrome Element

Color: White

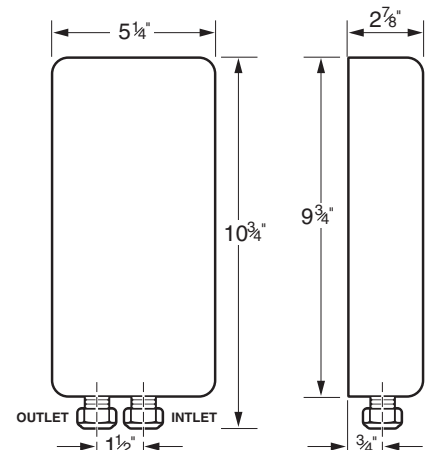
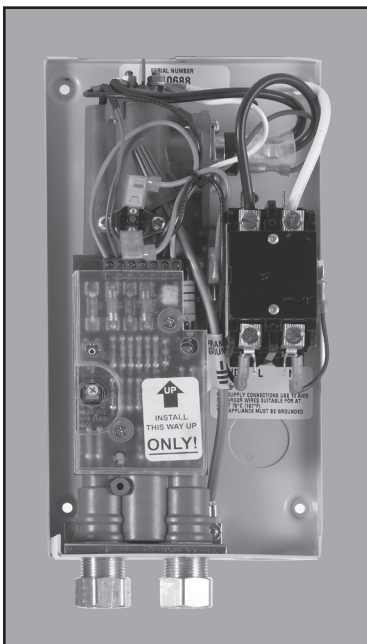
Standard temperature range 100°F-140°F.

Maintains accurate temperature control +/- 1°F

Element: Replaceable cartridge insert

Pipe-Fittings: 1/2" compression at bottom of unit.

Operating Pressure: Min 25 PSI, Max 150 PSI.





Electric Tankless Water Heaters

Flow Controlled (Single Phase)

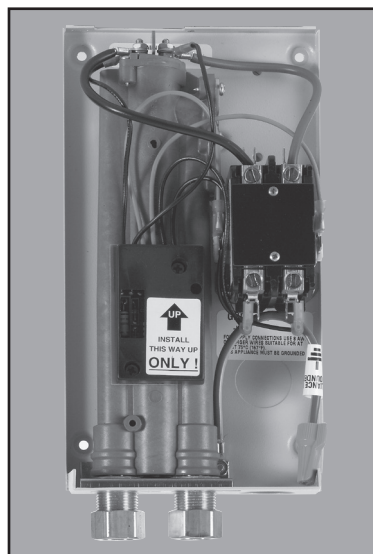
Turn on 0.5 GPM (up to 5.5kW) Turn on 0.7 GPM (8kW and up)
Turn on 0.6 GPM (6.5kW & 7.5kW) Max Flow 2.0 GPM

Model Number	kW Rating	Voltage	AMPS	Temperature Rise °F					Recommended Wire Size
				0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM	
EFC-5500-4-S-10	5.5	240	23.0	75	50	38	25	18	10 AWG
EFC-6500-4-S-10	6.5	240	27.0	88	59	44	30	22	10 AWG
EFC-7500-4-S-10	7.5	240	32.0	—	68	51	34	25	8 AWG
EFC-9500-4-S-10	9.5	240	40.0	—	86	65	43	32	8 AWG
EFC-8300-2-S-10	8.3	208	39.0	—	76	57	38	29	8 AWG

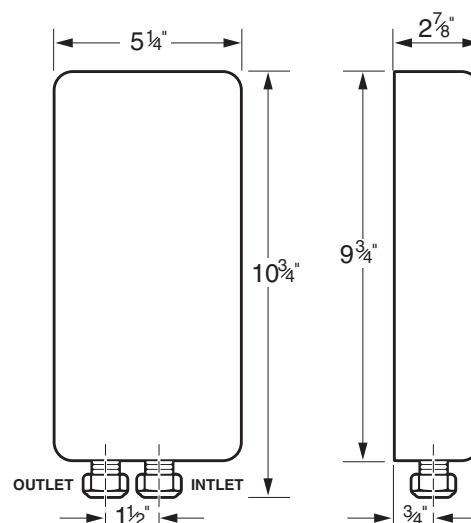
Please consult local codes for electrical requirements. Additional voltages and wattages are available. For more information please consult factory.

Refer to Voltage Identification Code Chart on page 5.

Applications: Single Phase Only.
Kitchen Sinks, Bar Sinks, Dual Lavs, Utility Sinks, Manufacturing Facilities, and Modular Buildings.



Specifications:
Dimensions: 10 $\frac{1}{4}$ " x 5 $\frac{1}{4}$ " x 2 $\frac{7}{8}$ "
Weight: 3 lbs.
Materials:
Cover: ABS UL rated 94Vo.
Glass reinforced Fortron® Heater Body and Ni Chrome Element
Color: White
Standard temperature range
100°F-140°F.
Maintains accurate temperature control
±1°F
Element: Replaceable cartridge insert
Pipe-Fittings: 1/2" compression at bottom of unit.
Operating Pressure: Min 25 PSI,
Max 150 PSI.



Series Two - Thermostatic (Single Phase)

(Twin Module) With Single Thermostatic Control

Activated in stages based on demand
Min. flow 0.7 GPM Max Flow 3.0 GPM

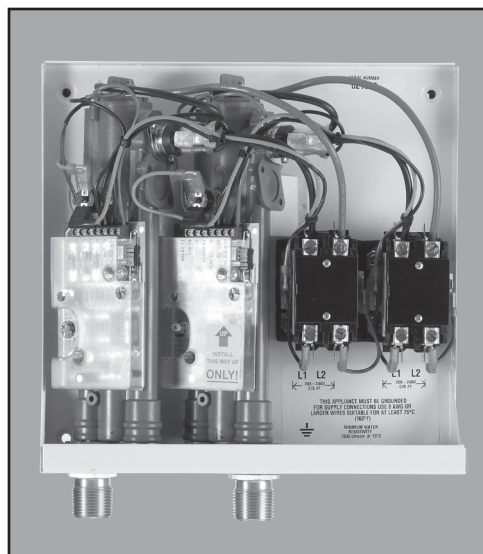
Model Number	kW Rating	Voltage	AMPS	Temperature Rise °F				Recommended Wire Size
				1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	
EFT-19000-4-D-10	19.0	240	80 (2 x 40 Amps)	87	65	52	43	8 AWG per module

The unit must have 2 independent electrical circuits using correctly rated wire and 2 circuit breakers.

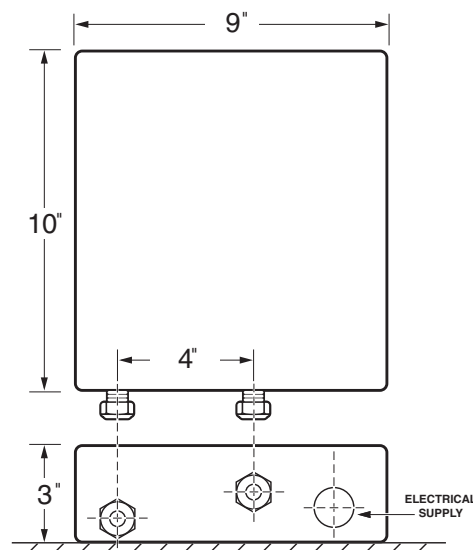
Please consult local codes for electrical requirements. Additional voltages and wattages are available. For more information please consult factory.

Refer to Voltage Identification Code Chart on page 5.

Applications: Single Phase Only.
Residential-Single Shower (Cabin or Condo), Multi Lavs.



Specifications:
Dimensions: 10" x 9" x 3"
Weight: 8 lbs.
Materials:
Cover: Enameled Steel.
Glass reinforced "UDELT" Heater Body and Ni Chrome Element
Color: White
Element: Dual replaceable cartridge inserts
Pipe-Fittings: 3/4" NPT pipe fittings at the bottom of the unit.
Operating Pressure: Min 25 PSI,
Max 150 PSI.



Electric Tankless Water Heaters



Series Three (Single Phase)

Min Flow 0.7 GPM
Max Flow 4.0 GPM

Model Number	kW Rating	Voltage	Current Per Phase	Temperature Rise °F					Recommended Wire Size
				1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	
EFT-28000-4-T-10	28.0	240	120 (3x40 Amps)	—	—	—	65	50	8 AWG

The unit must have 3 independent electrical circuits using correctly rated wire and 3 circuit breakers. This unit can only be ordered with 240V, but can be used on 208V with 25% reduced output (no model number change required).

Please consult local codes for electrical requirements. Additional voltages and wattages are available. For more information please consult factory.

Refer to Voltage Identification Code Chart on page 5.

Applications: Single Phase Only.

Whole House Residential up to 4.5 GPM (Apartment, Condo, Cabin).



Specifications:

Dimensions: 15¼" x 12¼" x 4¼"

Weight: 12 lbs.

Materials:

Cover: Enameled Steel.

Glass reinforced "UDELT"

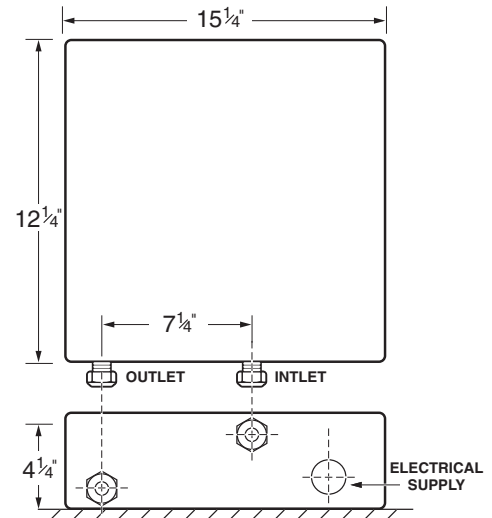
Heater Body and Ni Chrome Element

Color: White

Element: Three replaceable cartridge inserts

Pipe-Fittings: 3/4" NPT pipe fittings at the bottom of the unit.

Operating Pressure: Min 25 PSI, Max 150 PSI.



Thermostatic Triple Module Models (Three Phase)

Min Flow 0.7 GPM
Max Flow 4.0 GPM

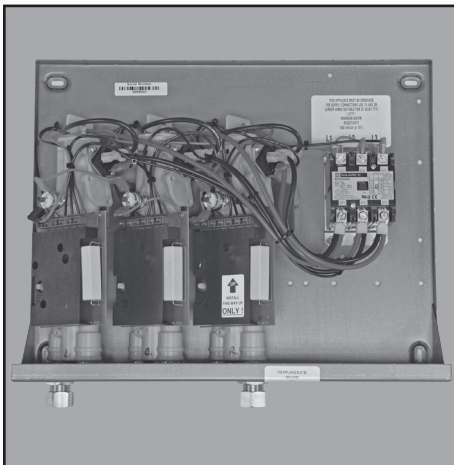
Model Number	kW Rating	Voltage	AMPS	Temperature Rise °F						Recommended Wire Size
				1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	3.5 GPM	4.0 GPM	
EFT-18000-2-T-10	18.0	208v	50.0	82	61	49	41	35	32	6 AWG
EFT-24000-2-T-10	24.0	208v	67.0	—	82	65	54	47	41	4 AWG
EFTR-18000-6-T-10	18.0	480v	21.7	82	61	49	41	35	32	8 AWG
EFTR-24000-6-T-10	24.0	480v	28.9	—	82	65	54	47	41	6 AWG
EFTR-32000-6-T-10	32.0	480v	38.5	—	—	87	73	62	55	4 AWG

These models are not certified to be installed in Canada.

Please consult local codes for electrical requirements. Additional voltages and wattages are available. For more information please consult factory.

Refer to Voltage Identification Code Chart and wiring diagram on page 5.

Multi-Outlet Three Phase Applications: Modular Hand Washing, Multi-Shower, Restaurants, Beauty Salons.



SPEC OPTIONS:

S = Sanitation 180°F

FS = Factory Set
(ambient to 180°F)

Specifications:

Dimensions: 15¼" x 12¼" x 4¼"

Weight: 15 lbs.

Materials:

Cover: Enameled Steel.

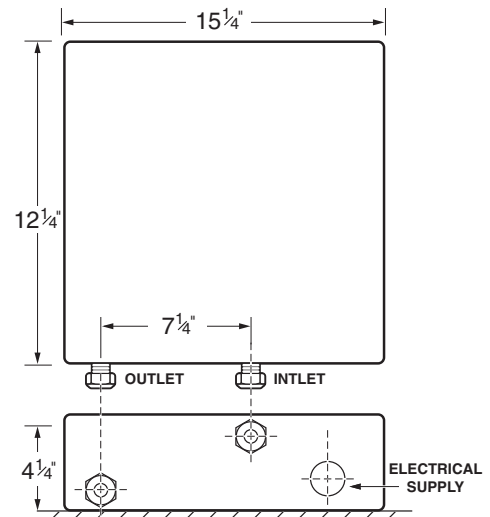
Glass reinforced "UDELT" Heater Body and Ni Chrome Element

Color: White

Element: Triple replaceable cartridge inserts

Pipe-Fittings: 1/2" compression at bottom of unit.

Operating Pressure: Min 25 PSI, Max 150 PSI.



Electric Tankless Water Heaters



Voltage Identification Code For All Models								
Voltage Code	1	2	3	4	5	6	7	8
Voltage	120	208	220	240	277	480	380	415

Example: ES-5500-4-S-10-S

The 4 in the model number indicates 240 volt.

Please be advised that the voltages listed in the Voltage Identification Code may not be available for all models.

Additional voltages and wattages are available. For more information please consult factory.

Electrical Configurations and Requirements for Bradford White Three Phase Tankless Water Heaters.

All Bradford White three-phase units are custom made to order and, as such, are non-returnable and non-refundable. We urge you therefore to check your electrical supply, making sure all criteria for operating your Bradford White water heaters are met.

Bradford White 208 or 480 Three Phase Units

Delta Configuration

Requires: 3 Lives, 1 Ground (earth)

Three-Phase Delta; Three-Wire

