

TAKE A *Giant*<sup>®</sup>  
STEP FORWARD,  
HELP STOP  
THE GREENHOUSE  
EFFECT



Eco-friendly foam  
insulation unique to Giant  
No HCFC's  
No CFC's  
No VOC's



**ECOPEAK**<sup>®</sup>



# RESIDENTIAL ELECTRIC WATER HEATERS

Standard models  
available in 30, 40 and 60 gallon capacities

Cascade and Super Cascade 9 models  
available in 40 and 60 gallon capacities

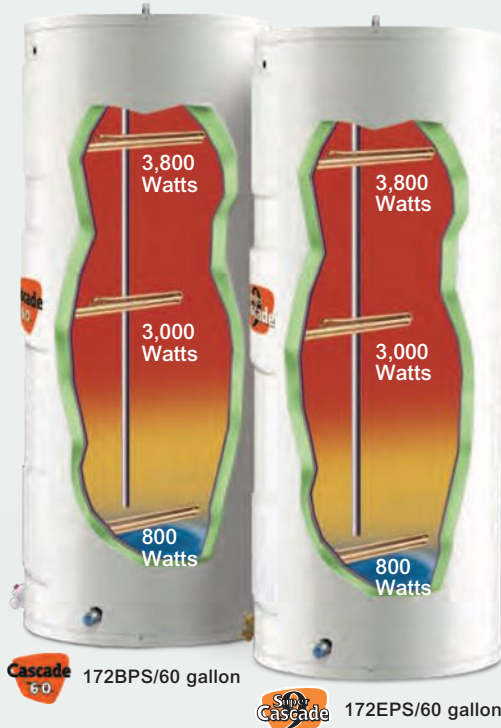
**BUILT  
TO LAST  
LONGER**



# ECOPEAK®

## It's quite simple: Three elements are better than two!

Three-element water heaters are less power hungry than traditional two-element heaters. The three elements are less powerful and require fewer watts at any given time, which is particularly important during peak morning and evening periods. Even though it heats water more uniformly, it can supply the same amount of hot water as a traditional two-element water heater of the same capacity.



### The top element (3,800 Watts)

This element works alternately with the two other elements to heat water in the upper part of the tank.

### The middle element (3,000 Watts)

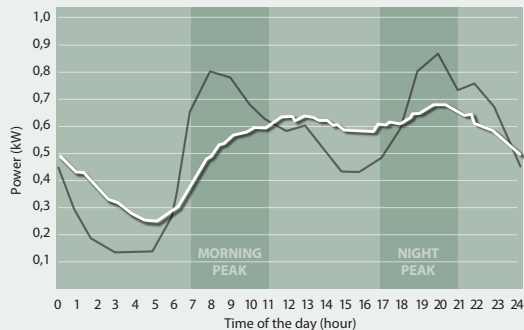
This one works when needed to heat the water over a short period of time.

### The bottom element (800 Watts)

The low-power bottom element works almost constantly.

## Tried and Tested Technology

A two-year pilot project was conducted with 75 households to evaluate the three-element water heater's performance. The study showed that customers do not see any difference in quality between the two-element model and the new environmentally responsible water heater. In fact, the three-element model is more reliable, since there is less stress on its electric components.



Unlike traditional two-element water heaters, whose power demand is concentrated during peak periods, three-element heaters draw less power and spread energy consumption throughout the day.

## Discover the Advantages

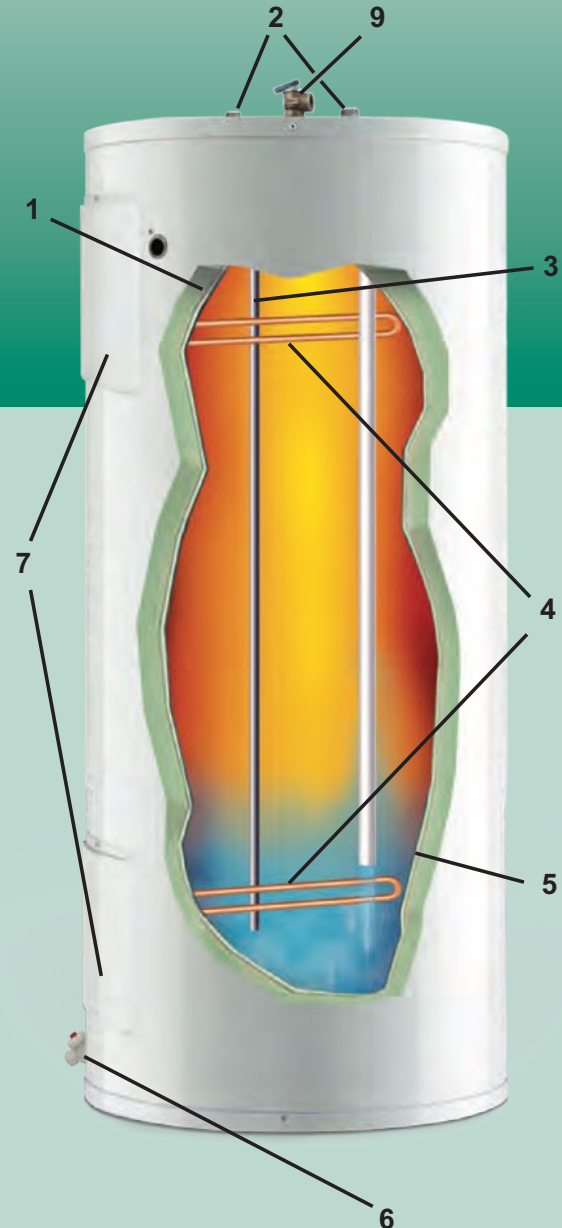
- \* A sustainable choice that lowers the collective electricity demand at peak periods.
- \* Price comparable to that of traditional two-element water heaters.
- \* No difference in electricity costs for water heating.
- \* No impact on hot water availability.
- \* Less stress on electrical components, compared to traditional water heaters, extends service life and increases reliability.

The following outstanding technical features are why Giant's water heaters are "BUILT TO LAST LONGER".

Warranty  
**6 years**  
 On the inner tank\*  
**1 year**  
 On component parts\*

A good choice

*Standard Models*



## STANDARD MODELS

### 1 - INSULATION

A thick uniform blanket of **GREENFOAM** eco-friendly insulation keeps the water hotter for longer periods, reduces stand-by losses and energy costs. **GREENFOAM** contains no HCFC'S (hydrochlorofluorocarbons), CFC'S (chlorofluorocarbons) nor VOC'S (volatile organic compounds).

### 2 - FACTORY INSTALLED 3/4" NPT DI-ELECTRIC NIPPLES

Extend the life of the water heater by providing excellent corrosion protection.

### 3 - HIGH QUALITY MAGNESIUM ANODE

Provides excellent protection against the corrosive effects of water and extends tank life.

### 4 - ELECTRIC ELEMENTS

All models are equipped with CSA approved bolt-on immersion elements made by Giant. These elements can be easily replaced with no special tools, resulting in low maintenance costs.

### 5 - GLASS-LINED INNER TANK

A uniquely formulated blue cobalt glass enriched with zircon is fused to specially treated steel at 1,600°F (871°C) to provide the best coating available against corrosion for many years. The tank is certified at a test pressure of 300 PSI (2,068 kPa) and a working pressure of 150 PSI (1,034 kPa).

### 6 - DRAIN VALVE

Tamper-resistant, one-piece drain valve is installed for easy drainage.

### 7 - AUTOMATIC TEMPERATURE CONTROL

Adjustable thermostats will provide years of reliable trouble-free service at the desired water temperature and a safety cut-off is provided for abnormal conditions.

### 8 - OVERFLOW SYSTEM

A 90° elbow overflow tube is supplied with each residential electric water heater.

### 9 - FACTORY INSTALLED TEMPERATURE & PRESSURE-RELIEF VALVE

This valve will protect the tank from the damaging effects of excessive temperature and pressure.

## WARRANTY

Giant residential electric water heaters have a six (6) year limited warranty against inner tank leakage from the date of installation and one (1) year limited warranty on component parts. For more specific warranty details including exceptions, consult the owner's manual that comes with each water heater.

The following outstanding technical features are why Giant's water heaters are "BUILT TO LAST LONGER".

A better choice

Warranty  
**6 years**  
On the inner tank\*  
**5 years**  
On the heating elements\*  
On component parts\*

**Cascade**



152B/40 gallon

172BPS/60 gallon  
with **ECOPEAK**  
technology

Your best choice

Warranty  
**9 years**  
On the inner tank\*  
**5 years**  
On component parts\*

**Super  
Cascade**



Installation kit included

152E/40 gallon

172EPS/60 gallon  
with **ECOPEAK**  
technology

**Cascade Cascade**  
**40 60**

models offer all the features of the standard models plus:

- Low watt density resistor type elements for longer element life.
- Bottom cold water entry resulting in 10% more hot water instantly.
- \$100\*\* saving on your electricity bill.
- Six (6)\* year limited warranty against inner tank leakage from the date of installation. Five (5) year limited warranty on the heating elements and one (1) year on the thermostats.
- Installation kit supplied including a temperature & pressure-relief valve, a brass "T" (3/4" NPT), and a 90° evacuation elbow.

**Super  
Cascade**

models offer all the features of the standard models plus:

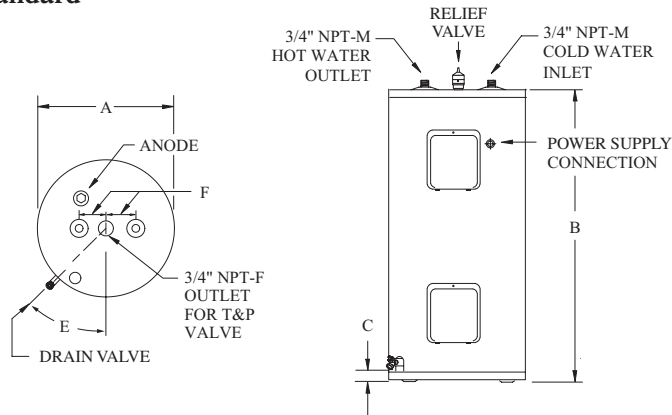
- Low watt density elements for longer element life.
- Bottom cold water entry resulting in 10% more hot water instantly.
- \$100\*\* saving on your electricity bill.
- Larger diameter, high quality magnesium anode for superior corrosion prevention and extended tank life.
- Tamper resistant, one-piece brass drain valve is installed for easy drainage.
- Double coating of blue cobalt glass enriched for superior corrosion protection and extended tank life.
- Nine (9)\* year limited warranty against inner tank leakage from the date of installation. Five (5) year limited warranty on the heating elements and thermostats.
- Installation kit supplied including a pressure-relief valve, a brass "T" (3/4" NPT), and a 90° elbow and evacuation tube.

\* Some exceptions may apply.

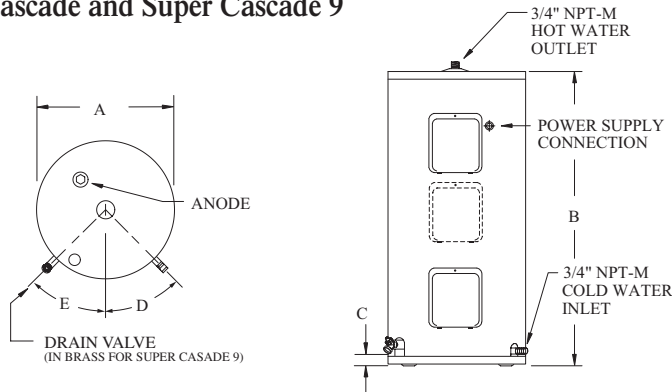
\*\* Based on \$0.08/kWh, a 10-year life of the water heater and according to the average household consumption.

# HIGH PERFORMANCE RESIDENTIAL ELECTRIC WATER HEATERS

## Standard



## Cascade and Super Cascade 9



## COLD WATER INTAKE

The Cascade and Super Cascade 9 advantage



## SPECIFICATIONS & DIMENSIONS 2" nominal GREENFOAM insulation

Model	Storage capacity			Factory installed wattages						Standby loss	Diameter (A)		Height (B)		C inches (cm)	D	E	F inches (cm)		Estimated ship. weight		
	U.S. gal.	Litre	Imp. gal.	120V Watt	120V Amp.	208V Watt	208V Amp.	240V Watt	240V Amp.		inches	(cm)	inches	(cm)				inches	(cm)	inches	(cm)	lb
<b>Standards Models</b>																						
142ETE*	34.2	129.6	28.5	1,500	12.5	3,000	14.4	3,000	12.5	51	22	(56)	36 1/4	(92)	2 1/2	(6)	-	45°	4	(10)	115	(52)
152ETE	48.6	184	40.5	1,500	12.5	3,000	14.4	3,000	12.5	66	22	(56)	48 1/8	(122)	2 1/2	(6)	-	45°	4	(10)	140	(63)
172ETE	73.7	279	61.4	1,500	12.5	4,500	21.6	4,500	18.8	89	23 1/2	(60)	59 7/8	(152)	2 1/2	(6)	-	45°	4	(10)	185	(84)
<b>Cascade and Super Cascade 9 Models</b>																						
152B,E	48.6	184	40.5	1,500	12.5	3,000	14.4	3,000	12.5	66	22	(56)	48 1/8	(122)	2 1/2	(6)	45°	45°	-	-	140	(63)

## Cascade & Super Cascade 9 equipped with ECOPEAK technology

Model	Storage cap. US gal - Litre - Imp. gal			Element's Input (240 Volts)**						Standby loss	Diameter (A) inches (cm)	Height (B) inches (cm)	C inches (cm)	D	E	F inches (cm)	Est. Ship. Weight lb (kg)
				Top		Middle		Bottom									
				Watt	Amp.	Watt	Amp.	Watt	Amp.								
172BPS, EPS	73.7	279	61.4	3,800	15.8	3,000	15.8	800	15.8	89	23 1/2 (60)	60 (152)	2 1/8 (5)	45°	45°	-	185 (84)

All models are suitable for combination potable water and space heating applications. Toxic chemicals, such as those used for boiler treatment, must NEVER be introduced into this system. These units must NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.

\* Factory installed heat trap on 142ETE models only.

\*\* Also available in 208 Volts

### TEMPERATURE & PRESSURE-RELIEF VALVE

For safety purposes, a temperature & pressure-relief valve **MUST** be included in the installation of all Giant residential electric water heaters. This valve will protect the tank from the damaging effects of excessive temperature and pressure.

**Giant**  
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