

RESIDENTIAL

Self-Cleaning
Premier®
Residential Water Heaters



Protected by the brilliance of Blue Diamond™ Glass Coating



SOLID.STATE.



State Premier®. The Best of Everything.

The water heater is the most frequently used appliance in any home and accounts for an estimated 20% of the total yearly energy budget. That makes choosing State's 10-year warranty Premier water heater one of the smartest long-term investments a homeowner can make.

Every self-cleaning Premier water heater is fully loaded with innovative technology and superior materials for maximum money-saving efficiency, high hot-water output and long, dependable life. And now, State has made our best even better, by adding the new Blue Diamond™ Glass Coating.

Patented Blue Diamond™... Ultimate Protection.

At the heart of almost every water heater is a steel tank, protected against the corrosive effects of hot water by porcelain "glass lining". Our breakthrough Blue Diamond formula is enriched with a higher level of zircon, producing a coating that is harder and more water-resistant than any other in the industry.

The superior water resistance of Blue Diamond has been demonstrated in accelerated tests against glass lining samples taken from competitive water heaters.



BLUE DIAMOND GLASS COATING

These tests determined water resistance by measuring the rate at which each glass lining sample dissolved over the 20-week test cycle. The results (expressed in milligrams of weight loss per square inch of lining surface) are an indicator of how the glass lining will stand up to constant exposure to hot water. The lowest milligrams per square inch loss shows, Blue Diamond outlasts them all!



Premier Electric

Premier Gas

	Coating Loss During 20-Week Test Cycle	How Much Better Is Blue Diamond?
Blue Diamond Glass Lining	8.8 mg/sq. in.	
Competitor "A" Glass Lining	22.6 mg/sq. in.	1.5x Better!
Competitor "B" Glass Lining	24.3 mg/sq. in.	1.7x Better!
Competitor "C" Glass Lining	25.4 mg/sq. in.	1.9x Better!
Competitor "D" Glass Lining	44.8 mg/sq. in.	4x Better!



State has an impressive heritage of developing new ways to heat and store water faster and more efficiently and new designs to extend water heater life expectancy.

The 10-year warranty Premier residential water heater reflects the very latest in technology, including our breakthrough Blue Diamond™ Glass Coating.

Pioneered by State in 1982, the Self-Cleaning Turbo Coil Dip Tube

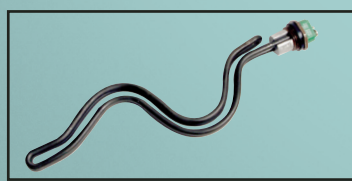
helps prolong tank life and maintain high energy-efficiency. It directs incoming cold water to create turbulence that reduces sediment buildup in the tank.

C3 Technology™ Gas Water Heater Design

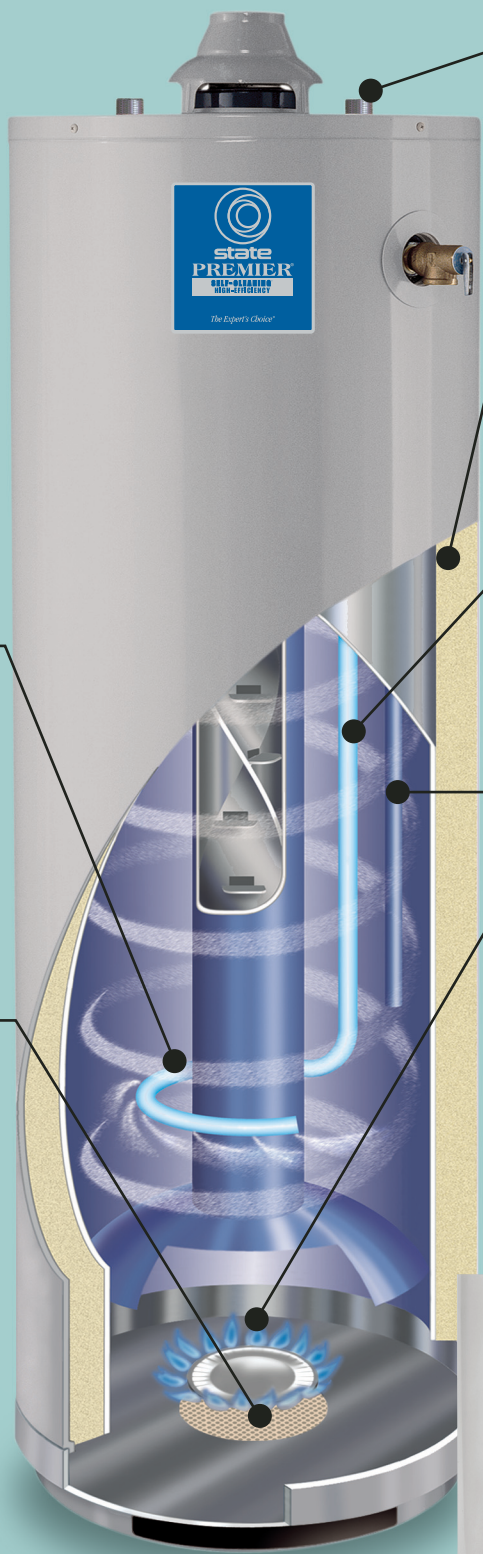
meets ANS Z21.10.1 standards dealing with the ignition of flammable vapors outside the water heater. Exclusive non-metallic Corderite flame arrestor will not warp or conduct heat.

Premier Electric Equipped with State Sandhog Heating Element

with low-watt density design and nearly indestructible Incoloy steel.



Sandhog elements operate more efficiently and last 2-3 times longer than standard copper elements.



Energy-Saving Silencer™ Heat Traps help keep energy from escaping during “standby” periods.

Energy-Saving Foam Insulation for superior protection against radiant heat loss. 2”-thick insulation on gas models. 3”-thick insulation on electric models.

The Turbo Coil and all other State water heater **Dip Tubes are made from PEXAN™**, a cross-link PEX polymer that can withstand long-term exposure to water temperatures up to 400F.

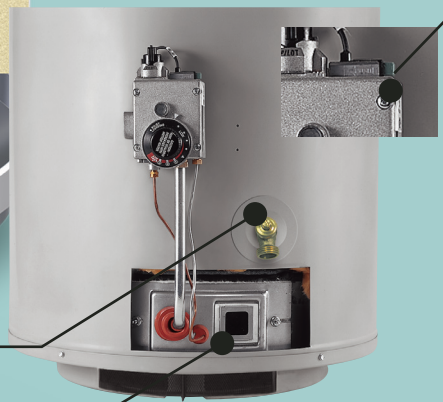
Heavy-Duty Magnesium Anode Rods help protect glass-lined tank from rust and corrosion.

Eco-Friendly Green Choice™ Gas Burner, standard on all State gas water heaters, reduces NOx emissions by up to 33%, complies with Southern California and Texas requirements.

Easy-to-Light Piezo Igniter for fast “one-hand” pilot ignition on C3 Technology gas models.

Durable Brass Drain Valve with tamper-resistant design.

View Port for easy burner inspection, standard on all C3 Technology gas models.



Green Choice™
The Eco-Friendly Gas-Fired Burner

Premier® Residential Water Heaters



Premier® Residential Gas Water Heaters									
Model	Peak Demand Output (1st Hour Rating Gallons)	Energy Factor	Gal. Cap.	BTU Input Per Hour Natural	Recovery 90F Rise Gallons	R Value	Dimensions in Inches		Draft Hood Outlet
							Height*	Diameter	
Tall Models									
GPX 40 YXRT	81	.63	40	40,000	41	16	63-1/2	20-1/2	3 or 4
GPX 50 YXRT	97	.63	50	40,000	44	16	65	22	3 or 4

* Height shown is to top of draft hood.



Premier® Residential Electric Water Heaters									
Model	Peak Demand Output (1st Hour Rating Gallons)	Energy Factor	Gal. Cap.	Element Wattage 240 V.A.C.		Recovery 90F Rise Gallons	R Value	Dimensions in Inches	
				Standard	Maximum			Height	Diameter
Tall Models									
EPX 40 DXRT	56	.95	40	4500	5500	21	24	60-1/2	20
EPX 52 DXRT	60	.95	50	4500	5500	21	24	57	22-1/2
EPX 66 DXRT	72	.95	66	4500	5500	21	24	62	24
EPX 80 DXRT	81	.95	80	4500	5500	21	24	62	26
Medium Models									
EPX 40 DXRS	52	.95	40	4500	5500	21	24	47	22-1/2
EPX 50 DXRS	62	.95	50	4500	5500	21	24	50	24

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