



THE RIGHT PRODUCT FOR EVERY JOB.

We know that in your line of work, no two projects are the same. That's why State offers a comprehensive line of commercial water heaters, from innovative gas and electric models to tankless technologies. We continually develop new solutions to give you the best options for any job you decide to take on.



Commercial Product Comparison
The right water heater for any spec job



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State Water Heaters
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	FORCE® FAMILY			SANDBLASTER® FAMILY		POLARIS	COMMERCIAL ELECTRIC			TANKLESS			
Thermal Efficiency	94%	96%	UP TO 98%	80%	80%	96%	98%	98%	98%	96%	80%	96%	96%
Top Product Features	<ul style="list-style-type: none"> Helical heat exchanger lengthens the heat transfer cycle. Intelli-Vent™ gas control with silicon nitride hot surface ignitor provides precise temperature control and eliminates standing pilot. Blue Diamond® glass coating with two heavy duty anode rods for corrosion resistance. 	<ul style="list-style-type: none"> Helical heat exchanger lengthens the heat transfer cycle. Blue Diamond® glass coating with two heavy duty anode rods for corrosion resistance. Easy-to-read intelligent control system with LCD display. 	<ul style="list-style-type: none"> Modulating burner adjusts firing rate to increase efficiency and save money. Helical heat exchanger lengthens the heat transfer cycle. Easy-to-read intelligent control system with LCD display. 	<ul style="list-style-type: none"> Efficient automatic flue damper minimizes standby heat loss. Inlet/outlet connections located top, front and rear for installation flexibility. Space-saving units are up to one foot shorter than models they replace. Installs stand-alone, manifolded or connected to storage tanks. 	<ul style="list-style-type: none"> Fan-assisted Category I, Ultra Low NOx combustion. A stainless steel air flapper minimizes standby heat loss and reduces height. Inlet/outlet connections located top, front and rear for installation flexibility. Fully automatic digital controls with safety shutoff. 	<ul style="list-style-type: none"> Tank and helical heat exchanger are constructed from 444 stainless steel for excellent corrosion resistance without the need for an anode. Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water. Two front access panels expose all serviceable components. Modular components are all easily removed. 	<ul style="list-style-type: none"> Tank interior is coated with glass specially designed by State for water heaters. Most models convert to three-phase or single-phase in field for easy installation. Elements feature zinc-plated copper sheaths for longer life. 	<ul style="list-style-type: none"> Low watt density Incoloy® elements for superior service in all water conditions. Power-circuit fusing protects all elements, thermostats, and internal wiring circuits against excess current flow. Terminal block comes factory installed for easy installation. CSB-I models come with LCD control to reduce surges, control temperature and display operational information in English. 	<ul style="list-style-type: none"> Advanced electronic control with large LCD display provides precise temperature control and English text with animated icons. Industrial-grade, immersion Incoloy sheathed heating elements are designed for rugged, long-lasting commercial service. 	<ul style="list-style-type: none"> Commercial grade primary copper heat exchanger protects against erosion. Corrosion-resistant secondary 316L stainless heat exchanger. Safety features include freeze, overheat, surge protection and troubleshooting diagnostic codes. Able to link up to 20 heaters together with multi-link system. 	<ul style="list-style-type: none"> Commercial grade primary copper heat exchanger protects against erosion. Corrosion-resistant secondary 316L stainless heat exchanger. Safety features include freeze, overheat, surge protection and troubleshooting diagnostic codes. Continuous maximum flow rates of up to 14.5 GPM. 	<ul style="list-style-type: none"> Heat exchanger constructed of commercial grade copper with a secondary heat exchanger constructed of 316 L grade stainless steel. 4.1 GPM pump. Multiple anodes for more added protection to the glass lined tank. 	<ul style="list-style-type: none"> Rack constructed of anodized aluminum frame. Able to link up to 20 heaters together with multi-link system. Reduce installation costs with three simple connections (cold water, hot water, and gas). Wall mount, In-line, and Back-to-Back configurations. Utilizes SCT-199 commercial high efficiency tankless water heaters
Venting Options	POWER VENT	POWER VENT & POWER DIRECT VENT	POWER VENT & POWER DIRECT VENT	ATMOSPHERIC	ATMOSPHERIC	POWER DIRECT VENT	- NA -	- NA -	- NA -	POWER VENT & DIRECT VENT	POWER VENT & DIRECT VENT	POWER VENT & DIRECT VENT	POWER VENT & DIRECT VENT
Venting Materials	Vents using Schedule 40 PVC, CPVC or Polypropylene Pipe	Vents using PVC, CPVC or Polypropylene Pipe	Vents using PVC, CPVC or Polypropylene Pipe	Metal Venting, Standard Double Wall Type "B" Vent	Metal Venting, Standard Double Wall Type "B" Vent	Vents using PVC, CPVC or Polypropylene Pipe	- NA -	- NA -	- NA -	Vents using PVC, CPVC or Polypropylene Pipe	5" Category III Stainless Steel	Vents using PVC, CPVC or Polypropylene Pipe	Vents using PVC, CPVC or Polypropylene Pipe
ENERGY STAR® Qualified	NO	YES	YES	NO	NO	YES	NO	NO	NO	YES	NO	YES	YES
Warranty	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	3-Year Limited Tank 1-Year Limited Parts	6-Year Limited Heat Exchanger 5-Year all other parts	6-Year Limited Heat Exchanger 5-Year all other parts	6-Year Limited Heat Exchanger 5-Year all other parts	6-Year Limited Heat Exchanger, 5-Year all other parts, 1-Year rack components
Codes and Standards	<ul style="list-style-type: none"> Meets UBC, CEC and HUD national codes Meets DOE thermal efficiencies and standby requirements and ASHRAE/IES 90.1 AHRI Certified 	<ul style="list-style-type: none"> CSA certified Meets DOE thermal efficiencies and standby requirements and ASHRAE/IES 90.1 Complies with SCAQMD Rule 1146.2 for Low NOx emissions AHRI Certified 	<ul style="list-style-type: none"> CSA certified Meets ASHRAE/IESNA 90.1 requirements Meets NSF 5 standard Complies with SCAQMD Rule 1146.2 for Low NOx emissions ASME tank construction optional on all models AHRI Certified 	<ul style="list-style-type: none"> CSA certified Meets DOE thermal efficiencies and standby requirements and ASHRAE/IES 90.1 Meets NSF 5 standard Optional ASME tank construction available on select models AHRI Certified 	<ul style="list-style-type: none"> CSA certified Meets DOE thermal efficiencies and standby requirements and ASHRAE/IES 90.1 Meets NSF 5 standard Optional ASME tank construction available on select models AHRI Certified 	<ul style="list-style-type: none"> Design-certified by CSA International according to ANSI Z21.10.3 - CSA 4.3 Standards. Meets UBC, CEC, and ICC National Codes. Meets DOE thermal efficiencies and standby requirements and ASHRAE/IES 90.1 Complies with SCAQMD Rule 1146.2 for Low NOx emissions 	<ul style="list-style-type: none"> Meets DOE thermal efficiencies and standby requirements and ASHRAE/IES 90.1 UL Approved Field Conversion Program AHRI certified 	<ul style="list-style-type: none"> CSA certified ASME rated T&P relief valve AHRI Certified 	<ul style="list-style-type: none"> CSA certified Meets NSF 5 standard ASME HLW UL AHRI certified 	<ul style="list-style-type: none"> Complies with SCAQMD Rule 1146.2 for Low NOx emissions Complies with lead-free standards CSA certified AHRI certified 	<ul style="list-style-type: none"> ASME models available Low NOx emissions Complies with lead-free standards CSA certified Meets NSF 5 standard ASME HLW 	<ul style="list-style-type: none"> Design certified by Underwriters Laboratories (UL) Inc., to ANSI Z21.10.3 - CSA 4.3 Standards Meets DOE thermal efficiencies and standby requirements and ASHRAE/IES 90.1 Meets NSF standard 5 for 180°F (62°C) water Complies with SCAQMD Rule 1146.2 for Low NOx emissions 	<ul style="list-style-type: none"> Complies with SCAQMD Rule 1146.2 for Low NOx emissions Complies with lead-free standards CSA certified AHRI certified
iCOMM	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BACnet / Modbus	- NA -	BACnet/Modbus	BACnet/Modbus	- NA -	- NA -	- NA -	- NA -	BACnet/Modbus (DVE models)	BACnet/Modbus	- NA -	- NA -	- NA -	- NA -
Gallon Capacity Range	50	50 - 75	60 - 119	65 - 100	81 - 100	34 - 50	6 - 119	50 - 120	50 - 120	TANKLESS	TANKLESS	119	TANKLESS
Input BTUH Range	76,000	100,000	120,000 - 499,900	120,000 - 500,000	199,000 - 390,000	130,000 - 199,000	- NA -	- NA -	- NA -	15,000 - 199,000	15,000 - 380,000	199,000	15,000 - 1,194,000
Recovery Capacity (100°F GPH)	83	116	138 - 576	100°F: 116 - 485 40°F: 291 - 1212	100°F: 119 - 385 40°F: 298 - 962	165 - 253	36 - 126	25 - 221	12 - 369	- NA -	- NA -	165 - 772	- NA -

FOR MORE INFO, VISIT US AT STATEWATERHEATERS.COM/SPEC