



34 Gallon

50 Gallon

## POLARIS® HIGH EFFICIENCY Commercial Gas Water Heaters

### CONDENSING DESIGN

- Operates at up to 96% thermal efficiency, which saves money on operating costs compared to a standard 80% efficient gas water heater
- Helical internal heat exchanger keeps hot combustion gases in the tank longer to transfer more heat into the water
- Modulating burner maintains high efficiency operation at lower input rates

### STAINLESS STEEL CONSTRUCTION

- Tank and helical heat exchanger are constructed from 444 stainless steel for excellent corrosion resistance without the need for an anode

### WHISPER-QUIET OPERATION

- Ultra-quiet blower and burner minimize noise

### POWER DIRECT VENT DESIGN

- Direct vent using PVC, CPVC or ABS either thru-the-wall or thru-the-roof
- Optional concentric vent kit

### ADVANCED ELECTRONIC CONTROL

- Large LCD display provides precise temperature control and advanced diagnostics

### CODE COMPLIANCE

- Complies with SCAQMD Rule 1146.2 and other air quality management districts with similar requirements for Ultra-Low NOx emissions requirements of 14 ng/J or 20 PPM
- Meets UBC, CEC and ICC National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1

### 3-YEAR LIMITED TANK AND 1-YEAR LIMITED PARTS WARRANTY

Model Number*	Gallon Capacity	BTU/hr Input	Thermal Efficiency	Recovery @ 90° Rise Gallon Per Hour	Dimensions in Inches		Vent Connection	Approx. Shipping Weight (lbs)
					Height	Diameter		
SPC 34 130 NE	34	130,000	96%	165	48-1/2	22	2 or 3	150
SPC 34 150 NE	34	150,000	94%	190	48-1/2	22	2 or 3	150
SPC 50 130 NE	50	130,000	95%	165	62-3/8	22	2 or 3	176
SPC 50 150 NE	50	150,000	95%	190	63-3/4	22	2 or 3	180
SPC 50 175 NE	50	175,000	96%	222	63-3/4	22	3	180
SPC 50 199 NE	50	199,000	96%	253	63-3/4	22	3	180

\*For propane models change "N" to "P" in the model number (example: GHX 50 199 P)  
Models certified for sea level to 7,700 ft. elevation.



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## THE RIGHT CHOICE FOR COMMERCIAL HOT WATER

For more than 70 years, we at State Water Heaters have taken pride in being the innovative leader in water heating. We've worked to instill our long experience of innovation into a comprehensive line of residential and commercial water heaters for any application.

Polaris® High Efficiency Water Heaters embody all that's best about the State Water Heaters brand. Our world-class engineering team has combined high BTU inputs, storage capacity and small physical footprint to create a product unlike any on the market.

Polaris® is all about packing the biggest punch into a small footprint. With a range of inputs (up to 199,000 BTU/hr), the Polaris can deliver continuous hot water for multiple tasks like dish washing and restrooms. Pair that with 34 or 50 gallons of available storage for those times when you need a "burst" of hot water. It is constructed from stainless steel for years of trouble-free service.



## POLARIS® COMMERCIAL WATER HEATERS AT A GLANCE



**1 HIGH GRADE 444 STAINLESS STEEL TANK WITH BRASS CONNECTIONS**

For years of dependable, trouble-free service—no anode required

**2 SUBMERGED COMBUSTION CHAMBER WITH SPIRAL FLUE**

Spiral heat exchanger keeps hot combustion gases in the tank longer for up to 96% thermal efficiency operation

**3 ULTRA-LOW NOX MODULATING GAS BURNER**

Ultra-quiet blower and burner provide whisper-quiet operation; burner modulates to provide high efficiency operation while also matching heating requirements

**4 SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS**

For easy connection to a recirculation or hydronic heating system

**5 INSULATED FOR LOW HEAT LOSS**

Tank is surrounded by environmentally friendly non-CFC foam for ultra-low standby heat loss

**6 SERVICE ACCESS FROM THE FRONT**

Two removable service doors provide easy access to all components from the front of the heater

**7 LCD TOUCHSCREEN DISPLAY**

For easy control of temperature settings and advanced diagnostics

**SMALL (22" DIAMETER) FOOTPRINT**

Design maximizes space savings; the smallest tank style heater with a 199k BTU input

**3-YEAR LIMITED TANK WARRANTY; 1-YEAR WARRANTY ON PARTS**