



34 Gallon

50 Gallon

POLARIS®

COMMERCIAL HIGH EFFICIENCY 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

AC Smith | POLARIS®

COMMERCIAL HIGH EFFICIENCY GAS WATER HEATERS



| 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 | | |
| BSS 130 | 34 | 130,000 | 96% | 165 | 48-1/2 | 22 | 2 or 3 | 150 |
| BSS 150 | 34 | 150,000 | 94% | 190 | 48-1/2 | 22 | 2 or 3 | 150 |
| BTS 130 | 50 | 130,000 | 95% | 165 | 62-3/8 | 22 | 2 or 3 | 176 |
| BTS 150 | 50 | 150,000 | 95% | 190 | 63-3/4 | 22 | 2 or 3 | 180 |
| BTS 175 | 50 | 175,000 | 96% | 222 | 63-3/4 | 22 | 3 | 180 |
| BTS 199 | 50 | 199,000 | 96% | 253 | 63-3/4 | 22 | 3 | 180 |

Available in Propane (LP) gas. Specify when ordering Propane (LP) gas.
Models certified for sea level to 7,700 ft. elevation.



A. O. Smith reserves the right to make product changes or improvements at any time without notice.

THE RIGHT CHOICE FOR COMMERCIAL HOT WATER

For more than 140 years, we at A. O. Smith 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 A. O. Smith 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



- HIGH GRADE 444 STAINLESS STEEL TANK WITH BRASS CONNECTIONS**
For years of dependable, trouble-free service—no anode required
 - SUBMERGED COMBUSTION CHAMBER WITH SPIRAL FLUE**
Spiral heat exchanger keeps hot combustion gases in the tank longer for up to 96% thermal efficiency operation
 - ULTRA-LOW NO_x MODULATING GAS BURNER**
Ultra-quiet blower and burner provide whisper-quiet operation; burner modulates to provide high efficiency operation while also matching heating requirements
 - SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS**
For easy connection to a recirculation or hydronic heating system
 - INSULATED FOR LOW HEAT LOSS**
Tank is surrounded by environmentally friendly non-CFC foam for ultra-low standby heat loss
 - SERVICE ACCESS FROM THE FRONT**
Two removable service doors provide easy access to all components from the front of the heater
 - 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**