

The Polaris high efficiency gas water heater is the high performance answer for today's hot water needs. It can provide endless hot water* and can be used for a combination of domestic hot water and space heating.

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

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 to minimize noise

POWER DIRECT VENT DESIGN

- Direct vent using ULC S636, PVC, CPVC or Polypropylene (solid core only) through a sidewall or roof
- Optional concentric vent kit
- 2" pipe vents up to 52 equivalent feet (100-150k BTU/h inputs)
- 3" pipe vents up to 130 equivalent feet

ADVANCED ELECTRONIC CONTROL

- Large touchscreen display
- Precise temperature control
- Advanced water heater status and diagnostics

MODULATING GAS BURNER

- Modulating burner maintains high efficiency operation at lower input rates

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Polaris can be easily installed with a recirculation system or as part of a combined domestic & space heating system

FULLY SERVICEABLE FROM THE FRONT

- Two front access panels expose all serviceable components. Modular components are all easily removed

AVAILABLE IN NATURAL GAS OR PROPANE

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

10-YEAR LIMITED TANK AND 1-YEAR PARTS WARRANTY

*When sized appropriately. Model PR50-199 can deliver 6.95 GPM continuous flow, based on 65°F inlet water temperature, 120°F outlet temperature.





Polaris™ High-Efficiency Residential Gas Water Heater

PERFORMANCE

| Model | Series | Capacity | | Maximum Certified Altitude | Input | Recovery Rate at 90°F Temperature Rise | Thermal Efficiency | Warranty Tank/Parts |
|--------------------|--------|----------|-----|----------------------------|---------|--|--------------------|---------------------|
| | | USG | L | | | | | |
| NATURAL GAS | | | | | | | | |
| PR34-100-2NV | 200 | 34 | 129 | 7,700 (2,437) | 100,000 | 129 (488) | 96% | 10/1 |
| PR34-130-2NV | 200 | 34 | 129 | 7,700 (2,437) | 130,000 | 168 (636) | 96% | 10/1 |
| PR34-150-2NV | 200 | 34 | 129 | 7,700 (2,437) | 150,000 | 190 (719) | 94% | 10/1 |
| PR50-130-2NV | 200 | 50 | 189 | 7,700 (2,437) | 130,000 | 165 (625) | 95% | 10/1 |
| PR50-150-2NV | 200 | 50 | 189 | 7,700 (2,437) | 150,000 | 190 (719) | 95% | 10/1 |
| PR50-175-2NV | 200 | 50 | 189 | 7,700 (2,437) | 175,000 | 222 (840) | 96% | 10/1 |
| PR50-199-2NV | 200 | 50 | 189 | 7,700 (2,437) | 199,000 | 253 (958) | 96% | 10/1 |

For propane models sub N with P. Natural gas models are series 200. Propane models are series 201. All models comply with national energy efficiency regulations. Input, output and recovery may vary depending upon air inlet and exhaust outlet installations, consult manual for details.

DIMENSIONS & SHIPPING WEIGHT

| Model | Height to Top of Tank | Tank Diameter | Height to Heating System Return | Height to Cold Water Inlet | Height to Heating System Outlet | Height to T&P | Height to Gas Supply | Height to Air Inlet | Water Connections | Gas Connections | Vent Diameter | Shipping Weight |
|--------------------|-----------------------|---------------|---------------------------------|----------------------------|---------------------------------|---------------|----------------------|---------------------|-------------------|-----------------|---------------|-----------------|
| | A IN (CM) | B IN (CM) | C IN (CM) | C IN (CM) | D IN (CM) | E IN (CM) | F IN (CM) | G IN (CM) | IN NPT | IN NPT | IN | LB (KG) |
| NATURAL GAS | | | | | | | | | | | | |
| PR34-100-2NV | 48 ½ (123) | 22 (56) | 15 ¾ (40) | 15 ¾ (40) | 40 ½ (103) | 41 (104) | 6 ¾ (16) | 6 ¾ (16) | 1 | ½ | 2 or 3 | 150 (68) |
| PR34-130-2NV | 48 ½ (123) | 22 (56) | 15 ¾ (40) | 15 ¾ (40) | 40 ½ (103) | 41 (104) | 6 ¾ (16) | 6 ¾ (16) | 1 | ½ | 2 or 3 | 150 (68) |
| PR34-150-2NV | 48 ½ (123) | 22 (56) | 15 ¾ (40) | 15 ¾ (40) | 40 ½ (103) | 41 (104) | 6 ¾ (16) | 6 ¾ (16) | 1 | ½ | 2 or 3 | 150 (68) |
| PR50-130-2NV | 62 ¾ (158) | 22 (56) | 15 ¾ (40) | 15 ¾ (40) | 54 ½ (138) | 55 (140) | 6 ¾ (16) | 6 ¾ (16) | 1 | ½ | 2 or 3 | 176 (80) |
| PR50-150-2NV | 63 ¾ (162) | 22 (56) | 15 ¾ (40) | 15 ¾ (40) | 55 ¾ (142) | 56 ¼ (143) | 6 ¾ (16) | 6 ¾ (16) | 1 | ½ | 2 or 3 | 180 (82) |
| PR50-175-2NV | 63 ¾ (162) | 22 (56) | 15 ¾ (40) | 15 ¾ (40) | 55 ¾ (142) | 56 ¼ (143) | 6 ¾ (16) | 6 ¾ (16) | 1 | ½ | 3 | 180 (82) |
| PR50-199-2NV | 63 ¾ (162) | 22 (56) | 15 ¾ (40) | 15 ¾ (40) | 55 ¾ (142) | 56 ¼ (143) | 6 ¾ (16) | 6 ¾ (16) | 1 | ½ | 3 | 180 (82) |

OPTIONAL KITS

| Description | Part Number |
|------------------------|-------------|
| 2" Concentric vent kit | 100093946 |
| 3" Concentric vent kit | 100093947 |

