



# RESIDENTIAL PRODUCT CATALOG





# WHY A.O. SMITH?

Every water heater that carries the A. O. Smith name has a reputation to live up to, one that we've earned through 140 years of innovation. To continue to lead our industry, we constantly look for new materials and develop new technologies that can improve energy efficiency, perform better, and make our customers' lives easier. So, when you choose an A. O. Smith residential water heater, whether it's gas, electric, hybrid or tankless, you can be confident that you are getting the best water heating solution regardless of the application—for today and for years to come.



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# COMMERCIAL-GRADE COMPONENTS



## BLUE DIAMOND® GLASS COATING

A patented commercial-grade formula that provides superior tank protection and corrosion resistance compared to the industry standard glass lining. Blue Diamond glass coating blend is formulated in the same lab that creates the protection for our industry-leading commercial product line. Through our long history, we've learned that one size rarely fits all. That's why we customize our signature formula to best meet the needs of every water heater we produce, ensuring long life no matter which A. O. Smith model you choose.



## COREGARD™ ANODE ROD

Feature a stainless steel center core that allows the anode to be secured in place, extending the life of the tank. Stainless steel core technology is the same that is used in our industry-leading commercial product line. ProLine® Master products have increased anode protection with either longer or multiple anodes, depending on model.



## SELF-POWERED ELECTRONIC GAS VALVE

A. O. Smith gas water heaters are equipped with a self-powered electronic gas valve with intelligent control logic. The gas valve has an internal microprocessor that provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance. The self-powered electronic gas valve uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source. It also incorporates an LED Status Indicator that monitors system operation and service diagnostics.



## ENHANCED-FLOW BRASS DRAIN VALVE

Our residential water heaters have a solid brass, tamper resistant, enhanced flow, ball type, drain valve.

Designed for easy operation, it uses a standard female hose fitting that allows for fast and easy draining during maintenance. The valve also includes an integral screwdriver slot featuring a 1/4 turn (open/close) radius, which not only permits full straight through water flow but also a quick and positive shut off.



## SELF-CLEANING DIP TUBES

PEX cross-linked polymer dip tubes are long-lasting with superior resistance to destructive thermal deterioration and can withstand temperature excursions up to 400 degrees. PEX is the same material used in dip tubes found in our industry-leading commercial product line.



## COMMERCIAL-GRADE ELECTRIC ELEMENTS

ProLine® Master electric products are outfitted with longer-lasting stainless steel upper and lower elements that are modeled after those used in our industry-leading commercial line.



## HEAT TRAP NIPPLES

Helps mitigate standby heat loss. Factory-installed for faster installation.

# RESIDENTIAL WATER HEATER SELECTION GUIDE

## SIMPLE TANK TYPE SIZING

### 1 Determine whether your family is low demand or high demand. You should consider your family to be high demand if...

- There are more than two full baths in the home.
- There are (or will be) teenagers living in the home. It's a fact: teenagers use more hot water for showering and washing clothes.
- You have an oversize whirlpool bath or other large tub. As a rule of thumb, the water heater tank capacity should be 100% of the bathtub capacity (example: 75-gallon tub/75-gallon water heater).

### 2 Locate your family size and determine the first hour rating requirement for your family. If you decide your family is high demand, consider moving up to the next first hour rating level.

### 3 Consult the heater options on the following pages for an A. O. Smith residential water heater with a first hour rating that meets your requirements.



To select the right A. O. Smith water heater, consider the size of your family and other factors that contribute to your First Hour Rating (FHR) Requirement. This chart provides suggested A. O. Smith residential water heater selection guidelines for several family sizes.

FAMILY SIZE	FIRST HOUR RATING REQUIREMENTS
2 PEOPLE	45-55 GALLONS
3 PEOPLE	55-65 GALLONS
4 PEOPLE	65-75 GALLONS
5 PEOPLE	75-85 GALLONS
6 PEOPLE	85-100 GALLONS
7 OR MORE PEOPLE	100 OR MORE GALLONS

# SIMPLE TANKLESS SIZING



## TANKLESS MODELS GROUND WATER TEMPERATURE FACTOR

The temperature of incoming ground water (cold water inlet temperature) varies greatly throughout the U.S. and also fluctuates with the changing of the seasons. The temperature of water as it enters the water heater will determine the amount of "temperature rise" required to achieve the desired hot water outlet temperature (120°F is recommended).

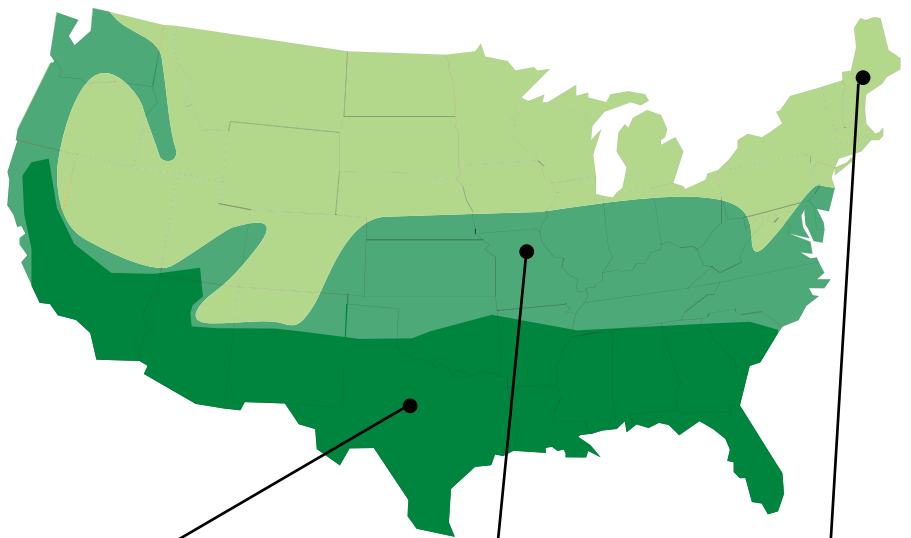
The best way to measure incoming ground water temperature is to use a thermometer to measure cold water temperature during the coldest season of the year. To simplify the process, use this map to determine whether your installation location is in the Southern Zone, Central Zone or Northern Zone.

## PEAK HOT WATER DEMAND

The next step is to determine how many gallons per minute of hot water will be required during the busiest usage period (peak demand). Consider all appliances and fixtures that use hot water, including lavatory faucets, kitchen faucets, washing machines, dishwashers, showers and bathtubs. Be sure to determine how many appliances and fixtures will be used at the same time (peak demand).



## AVERAGE GROUND WATER TEMPERATURE



### SOUTHERN ZONE

Average Ground Water Temperature: 62°F to 77°F

### CENTRAL ZONE

Average Ground Water Temperature: 52°F to 61°F

### NORTHERN ZONE

Average Ground Water Temperature: 37°F to 51°F

Remember, these are general recommendations. Your A. O. Smith Water Heater Specialist can review your family's needs in even greater detail to make sure the model you choose will always provide enough hot water to meet the demand.

# A. O. SMITH WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE RESIDENTIAL WATER HEATERS.



<b>OPERATING COST</b>	\$\$\$	\$\$	\$
<b>INSTALLATION SPACE REQUIRED</b>	■ to ■■	■■	■ to ■■■
<b>WARRANTY (YEARS)</b>	6	8	6-15

### PREMIUM FEATURES:

Blue Diamond® Glass Coating**	●	●	●
DynaClean™ Automatic Sediment-Cleaning System**	●	●	●
Self-Powered Electronic Gas Valve*	●	●	●
Heat Trap Nipples**	●	●	●
Enhanced Flow Brass Drain Valve**	●	●	●
CoreGard™ Advanced Anode Rod Protection**	●	● ●	● ●
Energy Saving	Meets Requirements	Meets Requirements	●
Double Long Life Elements***		●	●
Electronic User Interface			
Condensing Combustion*			●
Continuous Flow*			●
Cutting Edge Technology			●
Industry Leading Efficiency			●

\* These features apply to gas products only

\*\* These features apply to tank-type products only

\*\*\* These features apply to electric products only

Hot Water Output, Cost of Operation, & Installation Space Required estimated based on typical applications/installations. For a more custom analysis of unique installations, visit [hotwater.com](http://hotwater.com) and use our product selector tool.







# WHY PROFESSIONALS CHOOSE A. O. SMITH



**CONTRACTOR  
REWARDS.COM**

Your Business. Your Choices. Your Rewards.

## EARN POINTS BY PURCHASING A. O. SMITH WATER HEATERS

It's free and easy to participate. Enroll online at [contractorrewards.com](http://contractorrewards.com). Eligible products will have a yellow reward code label worth valuable points. Two ways to enter the codes:

1. Download the Contractor Rewards mobile app and scan the code.
2. Enter the code at [contractorrewards.com](http://contractorrewards.com). Redeem your points on thousands of reward items.

With over 1,000,000 merchandise items, your reward choices are endless.

## A. O. SMITH PROVIDES 6 KEY THINGS TO HELP GROW YOUR BUSINESS AND BECOME MORE PROFITABLE

### 1. Contractor Locator

An online locator that drives thousands of consumers from our website right to our loyal contractors. Your company listing is free and generated for you when you participate in our Contractor Rewards™ program. \* Visit [hotwater.com/contractorlocator](http://hotwater.com/contractorlocator) for more information.

### 2. Contractor Rewards Program

Our program rewards our loyal contractors for buying our products. Buy more and get rewarded with prizes and higher status on our Contractor Locator.

### 3. Contractor Advertising Tools

Our Advertising Resource Center allows contractors to develop an easy, affordable and custom advertising campaign to promote their business. Go to [www.hotwater.com/ads](http://www.hotwater.com/ads).

### 4. Breadth of Product Line

Residential or Commercial, we have the most complete line from standard models to the most innovative high efficiency water heaters available.

### 5. Product Sales Tools

We provide contractors access to the sales tools needed to close more sales.

### 6. Brand Support

Marketing investment in our brands drive consumers to recognize our name, visit our websites, locate local contractors and request products.



\*To be listed on the Contractor Locator you must meet the minimum threshold of codes entered at [contractorrewards.com](http://contractorrewards.com)

Visit [hotwater.com/contractor](http://hotwater.com/contractor) to learn more.



# VERTEX™ HIGH EFFICIENCY POWER VENT



## Power Vent Design for Installation Versatility

- Helical internal heat exchanger achieves 90% thermal efficiency, which saves money on operating costs compared to a standard 80% efficient gas water heater.
- Combined horizontal and vertical vent runs terminating through an outside wall, using Schedule 40 PVC pipe as follows:
  - 2" pipe allows vent runs up to 25 equivalent feet.
  - 3" pipe allows vent runs up to 65 equivalent feet.
  - 4" pipe allows vent runs up to 128 equivalent feet.

## Side-Mounted Taps for Recirculating Systems

- Hot and cold "side taps" allow Vertex Power Vent to be used for combination space/water heating applications.

## Intelli-vent™\* Gas Control with Silicon Nitride Hot Surface Ignitor

- Premium-grade hot surface ignitor eliminates standing pilot.
- Electronic circuitry provides superior system diagnostics capabilities plus extremely precise temperature control.

## Blue Diamond® Glass Coating with Two Heavy Duty Anode Rods

- Provides superior corrosion resistance compared to the industry-standard glass lining.

## Green Choice® Gas Burner

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/l.

## Dynaclean™ Diffuser Dip Tube

## CSA Certified and ASME Rated T&P Relief Valve

## Maximum Hydrostatic Working Pressure: 150 psi

## Code Compliance

- 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.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to hotwater.com.

\*Intelli-Vent™ is a registered trademark of Emerson Electric Company



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Per Hour	Dimensions in Inches		Approx. Shipping Weight (lbs)
								Height to Top of Heater	Diameter	
GPHE-50	50	48	119	0.88	90%	92	76,000	70-5/8	21	210

Available in natural gas only.  
 Standard model certified for sea level to 5,300 ft. elevation.  
 Optional Condensate Neutralizer Kit available (part number 100112380).



# VERTEX™ HIGH EFFICIENCY POWER DIRECT VENT



## Helical Internal Heat Exchanger

- Spiral heat exchanger keeps hot combustion gases in the tank longer to lengthen the heat transfer cycle.

## Power Direct Vent Design

- Combined vertical and horizontal runs terminating through an outside wall. Vents using PVC, CPVC or ABS pipe.
  - 2" pipe, vents up to 45 equivalent feet.
  - 3" pipe, vents up to 128 equivalent feet.

## Condensing Design

- 96% efficient condensing design.
- Equipped with condensate drain tee.

## Side-Mounted Hot and Cold Recirculating Taps

- Allows Vertex to be installed as part of combination space heating/water heating applications.

## Advanced Electronic Control

- Large LCD display.
- Precise temperature control.
- Advanced diagnostics.
- iCOMM™ compatible and can be monitored from remote locations.

## 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.

## Design-Listed by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	BTU Input Per Hour	Vent Size	Dimensions in Inches		Approx. Shipping Weight (lbs)
								Height to Top of Heater	Diameter	
GDHE-50	50	49	100	0.88	96%	100,000	2 or 3	66-3/4	22	255
GDHE-75	75	74	130	0.86	96%	100,000	2 or 3	64-3/4	27-3/4	382

Available in propane (LP) gas. Specify when ordering propane (LP) gas. Models certified for sea level to 10,100 ft. elevation. Optional Condensate Neutralizer Kit available (part number 100112380).



# POLARIS® HIGH EFFICIENCY



## 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 extract 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.

## Quiet Operation

- 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/l 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.

## 10-Year Limited Tank and 1-Year Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



GSP 100

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90° Rise Gallon Per Hour	BTU/h Input Gallon Per Hour	Vent Size	Dimensions in Inches			Approx. Shipping Weight (lbs)
									Height to Top of Heater	Height to T&P	Diameter	
GSP 100	34	33	179	0.90	96%	129	100,000	2 or 3	48-1/2	41	22	150
GSP 130	34	N/A	N/A	N/A	96%	165	130,000	2 or 3	48-1/2	41	22	150
GSP 150	34	N/A	N/A	N/A	94%	190	150,000	2 or 3	48-1/2	41	22	150
GTP 130	50	N/A	N/A	N/A	95%	165	130,000	2 or 3	62-3/8	55	22	176
GTP 150	50	N/A	N/A	N/A	95%	190	150,000	2 or 3	63-3/4	56-1/4	22	180
GTP 175	50	N/A	N/A	N/A	96%	222	175,000	3	63-3/4	56-1/4	22	180
GTP 199	50	N/A	N/A	N/A	96%	253	199,000	3	63-3/4	56-1/4	22	180

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



# PROLINE® XE HIGH EFFICIENCY NON-CONDENSING POWER VENT



## Versatile Power Vent Design

- All models feature an exclusive 3-position rotatable blower outlet which adds flexibility.
- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC and polypropylene).
- All models are equipped with a protected sensor that detects the presence of flammable vapors and automatically disables the burner to prevent ignition.
- Air intake snorkel elevates the inlet location of combustion air to prevent flammable vapors from entering the sealed combustion chamber.

## Hot-surface Ignitor

- More robust and reliable than standing pilot, and reduces energy consumption

## ENERGY STAR® Qualified

- All models (except GPVX 75L) meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.
- Built-in heat traps on the water inlet and outlet reduce the amount of heat lost through piping
- 2-inch, thick, "Environmentally-Friendly" foam insulation reduces the amount of heat loss and contributes to overall energy efficiency

## User-Friendly

- State-of-the-art electronic gas control provides more precise temperature control.
- LED control light displays operation status and diagnostics information.

## Enhanced-Flow Brass Drain Valve

## Available in Natural Gas and Propane

## Design-Listed by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 or ANSI Z21.10.3-CSA 4.3 standards governing storage tank-type water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Series	Nominal Capacity	Rated Storage Volume	UEF	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Gallon Per Hour	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lb)
								Height to Top of Blower	Height to Top of Tank	Diameter	
GPVL-40	200	40	38	0.67	45	40,000	72	59	49-5/8	22	174
GPVT-40	200	40	38	0.70	56	50,000	93	68-1/2	59-1/4	20	176
GPVL-50	200	50	49	0.72	45	40,000	93	60-1/8	50-3/4	24	198
GPVT-50	200	50	48	0.72	56	50,000	96	68-1/8	58-3/4	22	192
GPVX-50L	200	50	50	0.73	69	62,000	108	61-1/8	52	24	212
†GPVX-75L	210	75	72	0.69	80	76,000	N/A	70-5/8	61-1/4	26	277

Natural gas models cited are series 200/210. Propane models 201/211.  
 Side connections are standard on GPVX models.  
 For side connect models, add "L" to the model number (example: GPVT-40L).  
 All models rated for installation at altitudes up to 10,100 ft.  
 † GPVX-75L is not ENERGY STAR® Qualified.



# PROLINE® XE HIGH EFFICIENCY NON-CONDENSING POWER DIRECT VENT



## Power Direct Vent Design

- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC and polypropylene).
- Two-pipe sealed combustion system uses outside air, eliminating problems caused by insufficient indoor ventilation.
- Reduced NOx emissions comply with air quality management district regulations.

## Hot-surface Ignitor

- More robust and reliable than standing pilot, and reduces energy consumption.

## Dynaclean™ Diffuser Dip Tube

## User-Friendly

- State-of-the-art electronic gas control provides more precise temperature control.
- LED control light displays operation status and diagnostics information.
- Built-in heat traps on the water inlet and outlet reduce the amount of heat lost through piping.

## Enhanced-Flow Brass Drain Valve

## CSA Certified and ASME Rated T&P Relief Valve

## Design-Listed by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 standards or ANSI Z21.10.3 CSA 4.3 standards governing storage tank-type water heaters governing storage tank-type water heaters.

## Available in Natural Gas and Propane

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to hotwater.com.



Model Number	Series	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	NG Input Per Hour Propane	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches			Approx. Shipping Weight (lb)
								Height to Top of Blower	Height to Top of Tank	Diameter	
GPDL 40	200	40	38	74	0.68	40,000	45	58-1/4	49-5/8	22	174
GPDT 50	200	50	48	81	0.72	45,000	50	67-1/2	58-3/4	22	192
GPDX 50L	200	50	48	118	0.73	62,000*	73	69	60-1/4	22	200
† GPDX 75L	210	75	72	129	0.68	76,000	82	70-5/8	61-1/2	26	277

\*Propane model has input of 58,000 BTU/hr.  
 Natural gas models cited are series 200/210. Propane models are series 201/211.  
 Side connections are standard on GPDX models.  
 For side connect models, add "L" to the model number (example: GDPT-50L).  
 Side connections available on GPDL and GPDT models.  
 All models are certified from sea level to 10,100 ft. elevation.  
 † GPVX-75 is not ENERGY STAR® Qualified.



# EFFEX® HIGH EFFICIENCY ATMOSPHERIC VENT



## Pressurized Combustion System

### Installation Friendly

- Allows for easy replacement of standard atmospheric vent heaters.
- Easily connects to existing B-vent.

### Fan-Assisted, Category 1 Appliance

- Plugs into standard 110/120V outlet (10 foot power cord included).

### 24V Electronic Controls

### LCD User Interface

- Easy-to-read, eye level display.
- Simple temperature settings and adjustments.
- Service diagnostics are in plain text.

### Powered Anode Rod

- Automatically adjusts protection to match water conditions.

### Enhanced-Flow Brass Drain Valve

### Dynaclean™ Diffuser Dip Tube

### Green Choice® Gas Burner

- Patented eco-friendly gas burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/J.

### Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended.

### Design-Certified by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

### 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Gallon Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Gallon Per Hour	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood	
GAHH-40	40	38	68	0.66	40,000	43	61-3/4	58	20	3 or 4	157
GAHH-50	50	48	80	0.72	40,000	43	60-5/8	57-1/8	22	3 or 4	171

Available in natural gas only.  
 Water connection is 3/4" on all models.  
 All models are certified from sea level to 10,100 ft. elevation.  
 Requires 120 VAC power supply.



# PROLINE® XE HIGH EFFICIENCY NON-CONDENSING FLUE DAMPER



## ENERGY STAR® Efficiency

- Eco-friendly non-CFC foam insulation and an automatic flue damper increase efficiency to provide maximum household annual operating cost savings.

## Green Choice® Gas Burner

- Patented eco-friendly burner design reduces NOx emissions up to 33% and complies with Low-NOx emission requirements of 40 ng/l.

## Electronic Gas Control

## DynaClean™ Diffuser Dip Tube

## CoreGard™ Anode Rod

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Requires 120V Power; 10 Ft Cord Included

## Code Compliance

- Meets UBC, CEC, and HUD (excluding mobile homes) 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## CSA and Design-Certified by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1 – CSA 4.1 standards governing storage tank-type water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating Gallon	UEF	BTU Input Gallon Per Hour Natural*	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches					Approx. Shipping Weight (lbs)
							Foam Thickness	Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood Outlet	
<b>Tall Models</b>												
GCF-40	40	38	70	0.64	40,000	42	2	64-1/4	58-1/4	20	3 or 4	152
GCF-50	50	48	84	0.69	40,000	42	2	63-1/2	57-1/4	22	3 or 4	167
<b>Short Models</b>												
G CFL-40	40	38	65	0.66	40,000	42	2	54	47-3/4	22	3 or 4	149
*G CFL-50	50	49	78	0.69	40,000	42	2	55-3/4	49-1/2	24	3 or 4	175

Requires 120 VAC power supply.  
 Water connection is 3/4" on all models.  
 Specify when ordering Top T&P.  
 All models are certified from sea level to 10,100 ft. elevation.  
 \*G CFL-50 available in natural gas only. All other models available in propane (LP) gas.





# PROLINE® XE HIGH EFFICIENCY NON-CONDENSING ULTRA-LOW NOx FLUE DAMPER



## ENERGY STAR® Efficiency

- Eco-friendly non-CFC foam insulation and an automatic flue damper increase efficiency to provide maximum household annual operating cost savings.

## Green Choice® Gas Burner

- Enhanced Ultra-Low NOx burner complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NOx emissions of less than 10ng/l.

## Electronic Gas Control

## DynaClean™ Diffuser Dip Tube

## CoreGard™ Anode Rod

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Requires 120V Power; 19.5 Ft Cord Included

## Code Compliance

- Meets UBC, CEC, and HUD (excluding mobile homes) 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## CSA and Design-Certified by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1 – CSA 4.1 standards governing storage tank-type water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	Recovery @ 90F Rise (Gallon/Hour)	Dimensions in Inches								Approx. Shipping Weight
							Foam Thickness	A	B	C	D	E	F	Draft Hood Outlet	
GUF-40	40	38	68	0.65	40,000	42	2	64-1/4	58-1/4	20	13	8	51-3/4	3 or 4	152
GUF-50	50	48	83	0.70	40,000	42	2	63-1/2	57-1/4	22	13	8	50-1/4	3 or 4	167

Requires 120VAC power supply located within 19ft of the heater.  
 Water connection is 3/4" on all models.  
 Standard top T&P, specify when ordering side T&P.  
 All models are certified from sea level to 7,800ft elevation.



# PROLINE® XE HIGH EFFICIENCY NON-CONDENSING ULTRA-LOW NOx POWER VENT



## Power Venting Made Simple

- Thru-the-wall or thru-the-roof power venting using either 2" or 3" PVC, ABS or CPVC vent pipe.

## Intelli-Vent™ Gas Control

- Advanced electronics for more precise control of water temperature and easy to understand system diagnostics.

## Combination Thermostat/ECO

- Utilizes an intermittent ignition gas valve (no standing pilot) with thermistor temperature sensor and built-in high temperature cut off.

## Quiet and Efficient Blower

- Factory-installed 6-foot power cord with standard 3-prong male connector provided. Electrical requirements; 110/120 VAC power source, less than 5 amp draw.

## Dynaclean™ Diffuser Dip Tube

- Reduces lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

## Coregard™ Anode Rod

## Durable, Ultra-Low NOx Burner Construction

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended.

## Design-Certified by CSA-International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com)



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Gallon Per Hour	Dimensions in Inches			Draft Hood	Approx. Shipping Weight (lbs)
							Height to Top of Blower	Height to Top of Tank	Diameter		
GPNH-40	40	38	76	0.70	42.6	42,000	20	66-7/8	58-5/8	2 or 3	170
GPNH-50	50	48	71	0.65	42.6	42,000	22	66-7/8	57-7/16	2 or 3	207

No option available for top T&P valve.



# PROLINE® MASTER ATMOSPHERIC VENT



## Intelligent Control Logic\*

- \*Not available on 60,000 BTU input models (GCRX-50 and GCRX-55).

## Dynaclean™ Diffuser Dip Tube

## Coregard™ Anode Rod

- Increased anode protection with either longer or multiple anodes depending on model

## Push-Button Piezo Ignitor

## Enhanced-Flow Brass Drain Valve

## Heat Trap Nipple

## Blue Diamond® Glass Coating

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Design-Certified By CSA International

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## 8-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Gallon Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	BTU Input Propane Gas	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
								Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood	
<b>Tall Models</b>												
<b>HWR 40</b>	40	38	80	0.66	40,000	36,000	42	61-3/4	58-1/4	20	3 or 4	138
<b>HWG 50</b>	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 or 4	148
<b>HWR 50</b>	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 or 4	165
<b>HWRT 50*</b>	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
<b>HWRX 55*</b>	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
<b>Short Models</b>												
<b>HWRL 40</b>	40	38	67	0.59	40,000	36,000	41	51-1/2	48	22	3 or 4	135
<b>HWRL 50</b>	50	50	81	0.62	40,000	40,000	43	53-1/4	49-3/4	24	3 or 4	177

Water connection is 3/4" on all models.

All models approved for installation from sea level to 10,100 ft. elevation.

Specify when ordering propane (LP) gas.

\*For optional side-mounted recirculating taps, add "L" to the suffix in the model number.



# PROLINE® MASTER ULTRA-LOW NOx



PROLINE® MASTER  
BETTER

## Intelligent Control Logic

## High Uniform Energy Factor (UEF)

- Eco-Friendly non-CFC foam insulation, external heat traps and specially designed combustion chamber combine to produce a high UEF for maximum savings on operating costs.

## Green Choice® Gas Burner

- Enhanced Ultra-Low NOx burner complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NOx emissions of less than 10 ng/J.

## Dynaclean™ Diffuser Dip Tube

## Coregard™ Anode Rod

- Increased anode protection with either longer or multiple anodes depending on model

## Push-Button Piezo Ignitor

## Heat Trap Nipples

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## CSA Certified by CSA International

## Design-Certified by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## 8-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)	
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood		
<b>Tall Models</b>												
HUC-40	40	38	72	0.55	40,000	41	62	58-1/4	18	3 or 4	125	
HUR-40	40	38	81	0.64	40,000	41	62	58-1/4	20	3 or 4	126	
HUC-50	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3 or 4	148	
HUR-50	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3 or 4	125	
HURT-50L*	50	48	91	0.60	50,000	51	61	57-1/2	22	4	177	
<b>Short Models</b>												
HURL-40	40	38	72	0.57	40,000	41	51-1/2	47-3/4	22	3 or 4	138	

All models may be ordered from the factory with top T&P.  
Side loop connections are standard on model (HURT-50L).  
Most models approved for installation from sea level to 7,700 ft. elevation (except on HURT-50L which is approved to 5,400 ft.).



# PROLINE® HIGH CAPACITY ATMOSPHERIC VENT



## Highest Recoveries

- Capacity/input combinations up to 98 gallons/75,000 BTU's to produce recoveries up to 81 gallons per hour.

## Fully Automatic Controls with Safety Shutoff

- Accurate, dependable control system requires no electrical connections.
- Fixed automatic gas shutoff device for added safety.

## Green Choice® Gas Burner

- Patented eco-friendly burner design reduces NOx emissions up to 33% and complies with Low-NOx emission requirements of 40 ng/l.

## Dynaclean™ Diffuser Dip Tube

## Coregard™ Anode Rod

## Push-Button Piezo Ignitor

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- 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.

## CSA Certified and ASME Rated T&P Relief Valve

## Maximum Hydrostatic Working Pressure 150 psi

## Design-Certified By CSA International

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	BTU Input Natural Gas	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
				Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood	
FCG-75	74	75,100	81	61	58-1/2	16	4	270
FCG-100	98	75,100	81	68-1/2	66-1/2	16	4	340

\*Recover rating based on 81% thermal efficiency.

\*\*Recover rating based on 80% thermal efficiency.

†The GCN-75 comes standard with side loop fittings for use with hydronic heating applications.



# PROLINE® DIRECT VENT



## Direct Vent Design

- One-pipe, dual-channel closed system draws all make-up air from outside the home, eliminating problems caused by insufficient indoor ventilation and is FVIR compliant.
- Horizontal air intake and venting on all models up to 80 inches from outside wall with no electrical power needed.

## Intelligent Control Logic

## Green Choice® Gas Burner

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/J.

## Dynaclean™ Diffuser Dip Tube

## Coregard™ Andode Rod

## Push Button Piezo Ignitor

## Heat Trap Nipples

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Design-Certified by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Input BTU Per Hour	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Vent Outlet	
<b>GDV-40</b>	40	39	64	0.60	38,000	41	64	49-3/4	22	Co-Axial	178
<b>GDV-50</b>	50	48	77	0.66	40,000	43	73	59	22	Co-Axial	200
<b>GDVT-50</b>	50	48	83	0.65	47,000	51	74	60	22	Co-Axial	215

Dual-channel system has 3" vent pipe inside 6" air intake pipe, for the 40 and 50-gallon models.

All models have 2" foam cavity.

Water connection is 3/4" male on all models.

40 and 50 gallon models are 8" on center.

\*Allow 29-1/2" for front to back dimension for gas control and air intake pipe at the rear of the heater.

All models are available in propane (LP) gas (series 301).

All models are certified from sea level to 7,700 ft. elevation.

All models available with side connections. Add "L" to the model number, example GDV-40L.



# PROLINE® ATMOSPHERIC VENT



Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

Push-Button Piezo Ignitor

Enhanced-Flow Brass Drain Valve

Heat Trap Nipple

Blue Diamond® Glass Coating

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Design-Certified By CSA International

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Gallon Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	BTU Input Propane Gas	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
								Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood	
<b>Tall Models</b>												
†GCB-30	30	29	69	0.61	35,500	32,000	37	61-1/2	58	16	3 or 4	123
GCR-30	30	29	69	0.60	35,500	32,000	37	61-1/2	58	18	3 or 4	132
‡GCRH-40	40	38	65	0.61	35,500	N/A	38	61-3/4	58-1/4	20	3 or 4	138
†GCB-40	40	38	78	0.65	40,000	36,000	42	61-3/4	58-1/4	18	3 or 4	130
GCR-40*	40	38	80	0.66	40,000	36,000	42	61-3/4	58-1/4	20	3 or 4	138
GCG-50*	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 or 4	148
GCR-50*	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 or 4	165
GCRT-50*	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
†GCRX-50*	50	49	99	0.61	60,000	54,000	65	65-1/2	61	22	4	182
GCRX-55*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
<b>Short Models</b>												
†GCBL-30	30	28	68	0.58	35,500	32,000	37	50	46-1/2	18	3 or 4	110
GCLR-30	30	28	66	0.59	35,500	32,000	36	50	46-1/2	20	3 or 4	118
†GCBL-40	40	38	68	0.57	40,000	36,000	41	51-1/2	48	20	3 or 4	134
GCLR-40	40	38	67	0.59	40,000	36,000	41	51-1/2	48	22	3 or 4	135
GCLR-50	50	50	81	0.62	40,000	40,000	43	53-1/4	49-3/4	24	3 or 4	177

Water connection is 3/4" on all models.

\*For optional side-mounted recirculating taps, add "L" to the suffix (example: GCR-40L).

† Models ship with supplied insulation blanket.

For 10-year tank and 10-year parts warranty, change "G" to "X" in model number (example: XCR-30).

‡ LP models not available on GCRH-40.

All models approved for installation from sea level to 10,100 ft. elevation.



# PROLINE® MOBILE HOME ATMOSPHERIC VENT



## Complies with HUD Standards for Manufactured Housing Installation Gas Control Convertible for Natural and Propane Gas

- For flexibility to meet the varying needs of manufactured housing installations.

## Side-Mounted 3/4" Cold Water Inlet

- For flexibility to meet the varying needs of manufactured housing installations.
- Top-mounted 3/4" hot water outlet.

## Green Choice® Gas Burner

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/J.

## Coregard™ Anode Rod

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Design-Certified by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## CSA Certified and ASME Rated T&P Relief Valve

## 6-Year Limited Tank and 2-Year Limited Tank Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Per Hour Natural Gas	BTU Input Per Hour Propane Gas	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
								Height to Top of Draft	Height to Top of Tank	Diameter	Draft Hood Outlet	
FMHR-30	30	29	63	0.61	35,500	32,000	36	61-1/2	58	18	3 or 4	129
FMHR-40	40	38	59	0.58	35,500	32,000	36	61-3/4	58-1/4	20	3 or 4	153

All models ship from the factory for use with natural gas. A complete propane (LP) burner is supplied for converting to propane gas.  
 All models are certified from sea level to 10,100 ft. elevation.  
 No option available for top T&P.





# PROLINE® MOBILE HOME DIRECT VENT



**Complies With HUD Standards For Manufactured Housing Installation**

**Gas Control Convertible for Natural and Propane Gas**

- For flexibility to meet the varying needs of manufactured housing installations.

**Direct Vent Models Package with Bottom Intake Air Vent**

- To draw all combustion make-up air from outside the structure.

**Optional Ducted Air Inlet Kit for Direct Vent Models**

- For use when water heater is installed over a basement.
- Provision for horizontal air inlet ducting.

**Side-Mounted 3/4" Cold Water Inlets**

**Green Choice® Gas Burner**

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/l.

**Dynaclean™ Diffuser Dip Tube**

**Coregard™ Anode Rod**

**Enhanced-Flow Brass Drain Valve**

**Blue Diamond® Glass Coating**

**Code Compliance**

- Meets UBC, CEC and HUD National Codes.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

**Design-Certified by CSA International**

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

**CSA Certified and ASME Rated T&P Relief Valve**

**6-Year Limited Tank and 2-Year Limited Parts Warranty**

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Btu Input Per Hour Natural Gas	Btu Input Per Hour Propane	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
								Height to Top of Vent Conntion	Height to Top of Tank	Diameter	Vent Outlet	
FMDV-30	30	29	60	0.61	30,000	29,000	31	61	58	18	3	129
FMDV-40	40	38	57	0.59	32,000	29,000	33	61-3/4	58-3/4	20	3	153
FMDV-50	50	47	67	0.56	40,000	37,000	39	60	57	22	3	168

All models ship from the factory for use with natural gas, a complete propane burner is supplied for converting to propane gas.

No option available for top T&P.

Water connections-3/4" on all models.

All models approved fro installation from sea level to 5,400 ft. elevation.



# PROLINE® ULTRA-LOW NOx



## Intelligent Control Logic

- The electronic gas control incorporates an LED status indicator that monitors system operation and service diagnostics.

## High Uniform Energy Factors (UEF)

- Eco-Friendly non-CFC foam insulation, external heat traps and specially designed combustion chamber combine to produce a high UEF for maximum savings on operating costs.

## Green Choice® Gas Burner

- Enhanced Ultra-Low NOx burner complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NOx emissions of less than 10 ng/J.

## Dynaclean™ Diffuser Dip Tube

## Coregard™ Anode Rod

## Push-Button Piezo Ignitor

## Heat Trap Nipples

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## CSA Certified by CSA International

## Design-Certified by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)	
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood		
<b>Tall Models</b>												
GUC-30	30	29	62	0.59	33,000	34	61-3/4	58	16	3 or 4	126	
GUC-40	40	38	72	0.55	40,000	41	62	58-1/4	18	3 or 4	125	
GUR-40	40	38	81	0.64	40,000	41	62	58-1/4	20	3 or 4	125	
GUC-50	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3 or 4	148	
GUR-50	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3 or 4	148	
GURT-50L*	50	48	91	0.60	50,000	51	61	57-1/2	22	4	177	
<b>Short Models</b>												
GURL-40	40	38	72	0.57	40,000	41	51-1/2	47-3/4	22	3 or 4	138	

All models may be ordered from the factory with top T&P.  
 Side loop connections are standard on model (GURT-50L).  
 Most models approved for installation from sea level to 7,700 ft. elevation (except on GURT-50L which is approved to 5,400 ft.).



# PROLINE® ULTRA-LOW NOx DIRECT VENT



Flammable Vapor Resistant/Direct Vent Sealed Combustion System

Durable, Ultra-Low NOx Burner Construction

Non-CFC Foam Insulation

- The tank is surrounded by a thick coat of non-CFC polyurethane foam to trap heat inside the tank, saving energy.

3/4" Top Water Connections and Side Space Heating Connections

1/2" Gas Connection

Coregard™ Anode Rod

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Green Choice® Gas Burner

- Complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NOx emissions of less than 10 ng/J.

Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.
- CSA Certified And ASME Rated T&P Valve.

Design-Listed by CSA International

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to ANSI Z21.10-1- CSA 4.1 standards governing storage tank-type gas water heaters.

CSA Certified and ASME Rated T&P Relief Valve

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Per Hour	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Concentric Vent Connection	
GDNL-40L	40	28	52	0.60	36,000	39	65-1/4	50-1/2	22	3 and 5	179
GDNT-50L	50	48	76	0.65	38,000	41	73-1/2	58-1/2	22	3 and 5	193

No option available for top T&P valve.  
 All models have 3/4" top water connections and come standard with side loop fittings.  
 All models are certified from sea level to 7,700 ft. elevations.



# PROLINE® ULTRA-LOW NOX HIGH CAPACITY



Fully Automatic Controls with Safety Shutoff

Heavy Gauge Steel Jacket

Blue Diamond® Glass Coating

Foam Insulation

Ultra-Low NOx Emissions

- Complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of 14 ng/j or 20 ppm.

Easy-To-Install

- Completely factory-assembled. Only gas, water and vent connections need to be made. All connections are located in front and top of heaters for ease-of-installation and service.

Coregard™ Anode Rod

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

Maximum Working Pressure

- 150 psi.

Maximum Gas Inlet Pressure

- 14" W.C.

Code Compliance

- The Ultra-Low NOx atmospheric vent residential gas water heater meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and Current Edition ASHRAE/IES 90.1.

6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery at 90°F Rise Gallon Per Hour	BTU Input Per Hour	Dimensions in Inches			Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Depth	Diameter	
†GCN-75	74	71	102	0.64	81	75,100	62-1/16	29-1/2	25-1/4	285 lbs
GCN-100	98	95	120	0.58	82	75,100	70-1/2	30-15/16	27-3/4	350 lbs

\*Recover rating based on 81% thermal efficiency.

\*\*Recover rating based on 80% thermal efficiency.

†The GCN-75 comes standard with side loop fittings for use with hydronic heating applications.



# VOLTEX® HYBRID ELECTRIC HEAT PUMP



## Increased Energy efficiency

- Reduce water heating costs up to 68% compared to a standard electric water heater.
- Up to a 3.42 Uniform Energy Factor (UEF) conserves energy and meets ENERGY STAR® qualifications.

## Dual Voltage Capable

- 208/240 VAC 60Hz capable for use in almost any residential installation.

## Backup Electric Elements

- Long-lasting backup heating elements help heat water according to environmental conditions, demand, and the chosen operating mode.

## Choice of Operating Modes

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions and hot water demand.
- Hybrid mode automatically adjusts between compressor and element, depending upon heat requirements.
- Vacation mode reduces operating costs and provides freeze protection during extended absence. Programmable up to 99 days.

## Dry Fire Protection

- Control system ensures the tank is full of water during start up to prevent dry firing the heating elements.

## Electronic User Interface

- User-friendly electronic interface allows easy control of temperature setting, operating mode, and communicates diagnostics.
- Advanced diagnostics convey error messages for service purposes. The last four error messages are saved in the control system memory.

## Other Features

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air.
- Washable air filter is easily removed for routine cleaning.
- Accessory Inlet/Outlet Duct Kit (Part number 100234320)

## 10-Year Limited Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Height to Top of Tank	Height to T&P	Diameter	
HPTU-50N	50	46	3.42	66	63	40-5/8	22	196
HPTU-66N	66	67	3.00	79	61	38	27	289
HPTU-80N	80	82	2.73	84	69	46	27	307

Requires 30 amp breaker.  
Top T&P option not available on this model.



# VOLTEX® HYBRID ELECTRIC HEAT PUMP



## Increased Energy Efficiency

- Reduce water heating costs up to 68% compared to a standard electric water heater.
- Up to a 3.42 Uniform Energy Factor (UEF) Rating conserves energy and meets ENERGY STAR® qualifications.

## Choice of Operating Modes

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions and hot water demand. Hybrid mode automatically adjusts between compressor and element, depending upon heat requirements.
- Vacation mode reduces operating costs and provides freeze protection during extended absence. Programmable up to 99 days.

## Backup Electric Elements

- Long-lasting 4500W backup heating elements help heat water according to environmental conditions, demand, and the chosen operating mode.

## Dry Fire Protection

- Control system checks to ensure the tank is full of water during start up to prevent dry firing the heating elements.

## Electronic User Interface

- User-friendly electronic interface allows easy control of temperature setting, operating mode, and communicates diagnostics.
- Advanced diagnostics convey error messages for service purposes. The last four error messages are saved in the control system memory.

## Other Features

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air.
- Washable air filter is easily removed for routine cleaning.
- Accessory Inlet/Outlet Duct Kit (Part number 100234320)

## 6-Year Limited Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Height to Top of Tank	Height to T&P	Diameter	
FPTU-50	50	46	3.42	66	63	40-5/8	22	196
FPTU-66	66	67	3.0	79	61	38	27	289
FPTU-80	80	82	2.73	84	69	46	27	307

Requires 30 amp breaker.  
Top T&P option not available on this model.



# PROLINE® XE ELECTRONIC DISPLAY



## Electronic User Interface

- Touchscreen display.
- Multiple operating modes help save money.
  - Energy Saver and vacation modes available.
- Diagnostic feedback.
- Dry fire protection.

## Enhanced Heating Elements

- Dual 5500 watt elements for the fastest recovery and reliable operation.
- Incoloy stainless steel elements last longer than standard copper elements.

## Enhanced-Flow Brass Drain Valve

## Code Compliance

### Blue Diamond® Glass Coating

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

### Approved for Manufactured Housing

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing.

### Design-Listed by Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

### 10-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
						Standard	Maximum	Height to Top of Tank	Height to T&P	Diameter	
<b>Tall Models</b>											
PXNT-40	40	36	65	0.92	25	5500	5500	61-1/4	53-1/4	20	118
PXNT-50	50	45	81	0.95	25	5500	5500	60-1/2	51-1/4	22	134
PXNT-55	55	55	89	0.95	25	5500	5500	56-1/2	48-1/2	24	145
<b>Short Models</b>											
PXNS-40	40	37	60	0.93	25	5500	5500	49 3/4	40-3/4	20-1/2	109
PXNS-50	50	46	75	0.95	25	5500	5500	49-1/4	40-1/4	23	161

3/4" water connections on 8" center.  
 Top-mounted T&P valve not available.  
 Only available for 240V or 208V applications.  
 Equipped as dual element only; no single element configurations available.



# PROLINE® MASTER STANDARD ELECTRIC



PROLINE® MASTER  
BETTER

## Enhanced Heating Elements

- Dual 4500 watt elements for fast recovery and reliable operation.
- Incoloy stainless steel upper and lower elements lasts longer than standard copper elements.

## Dynaclean™ Diffuser Dip Tube

## Coregard™ Anode Rod

- Increased anode protection with either longer or multiple anodes depending on model

## Long Lasting Stainless Steel Upper and Lower Elements

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Approved for Manufactured Housing

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing.

## Design-Listed by Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

## 8-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
						Standard	Maximum	Height to Top of Tank	Height to T&P	Diameter	
<b>Tall Models</b>											
HNT-40	40	36	53	0.92	21	4500	6000	61-1/4	53-1/4	18	118
HNT-50	50	46	62	0.93	21	4500	6000	60-1/2	51-1/4	20-1/2	125
HNT-55	55	55	72	0.93	21	4500	6000	56-1/2	48-1/2	24	145
<b>Short Models</b>											
HNS-40	40	37	55	0.92	21	4500	6000	50	40-3/4	20-1/2	109
HNS-50	50	46	57	0.92	21	4500	6000	49-3/4	40-3/8	23	161

Male 3/4" water connections on 8" center.  
Standard wattage, other options available.





# PROLINE® STANDARD ELECTRIC



## Enhanced Heating Elements

- Dual 4500 watt elements for fast recovery and reliable operation.
- Incoloy stainless steel lower element lasts longer than standard copper element.

## Dynaclean™ Diffuser Dip Tube

## Coregard™ Anode Rod

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Approved for Manufactured Housing

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing.

## Design-Listed by Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
						Standard	Maximum	Height to Top of Tank	Height to T&P	Diameter	
<b>Tall Models</b>											
ENT-30†	30	27	48	0.89	21	4500	6000	46-1/2	39-1/2	19	95
ENT-40†	40	36	53	0.92	21	4500	6000	61-1/4	53-1/4	18	118
ENT-50†	50	46	62	0.93	21	4500	6000	60-1/2	51-1/4	20-1/2	125
ENT-55†	55	55	72	0.93	21	4500	6000	56-1/2	48-1/2	24	145
<b>Short Models</b>											
ENSB-30*	30	27	50	0.90	21	4500	6000	39	30-1/2	20	95
ENS-30†	30	27	47	0.89	21	4500	6000	39-3/4	30-1/2	22	94
ENS-40†	40	37	55	0.92	21	4500	6000	49-3/4	40-3/4	20-1/2	109
ENS-50†	50	46	57	0.92	21	4500	6000	49-1/4	40-3/8	23	161
<b>Lowboy Top Connect Models</b>											
ENL-20	19.9	19	N/A	N/A	21	4500	6000	30	21-1/4	20	65
ENLB-30*†	28	26	46	0.89	21	4500	6000	30	21-3/4	20	90
ENL-30†	28	26	46	0.90	21	4500	6000	30	21-3/4	22	115
ENL-36†	36	33	51	0.92	21	4500	6000	32	24	24	118
ENL-40†	38	35	49	0.89	21	4500	6000	33 1/2	24	26	118
ENLB-40*†	38	35	47	0.93	21	4500	6000	32	24	23	118
ENLB-50*†	48	44	60	0.93	21	4500	6000	34	25	26-1/2	172
ENL-50†	51	48	54	0.92	21	4500	6000	36	25	26-1/2	172

\* Models ship with supplied insulation blanket. | † For 10-year tank and 10-year parts warranty, change "E" to "P" in the model number (example: ENT-30 becomes PNT).  
 3/4" water connections on 8" center. | ENL-20 is a single element configuration only.  
 Top T&P is not available on the 10 year lowboy models.



# MOBILE HOME

## Approved for Manufactured Housing

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing.

## Side Water Connections

- For ease of installation in mobile home applications.

## Coregard™ Anode Rod

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

## Long-Lasting Heating Elements

- Screw-in, direct immersion, 3500W/240V or 3000W/120V heating elements for maximum efficiency.

## Blue Diamond® Glass Coating

## Enhanced-Flow Brass Drain Valve

- Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.

## Certified to UL 174 for Household Electric Water Heaters

## CSA Certified and ASME Rated T&P Relief Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Design-Listed by Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to hotwater.com.



Low Lead Content



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	Voltage	Wattage		Dimensions in Inches		Approx. Shipping Weight (lbs)
							Upper Element	Lower Element	Height to Top of Heater	Diameter	
MHE6-30H-030D	30	27	50	0.90	14	120	3000	3000	46-3/4	19	98
MHE6-30H-035D	30	27	50	0.90	16	240	3500	3500	46-3/4	19	98
MHE6-40R-030D	40	36	54	0.95	14	120	3000	3000	50	22	109
MHE6-40R-035D	40	36	54	0.95	16	240	3500	3500	50	22	109
MHE6-30L-030D*	28	26	47	0.90	14	120	3000	3000	30	22	96
MHE6-30L-035D*	28	26	47	0.90	16	240	3500	3500	30	22	96

\* Models ship with supplied insulation blanket.  
MHE6 models may have limited element options due to element size or other restrictions.  
Available with side T&P only.  
3/4" water connections.



# PROLINE® SPECIALTY



LOWBOY MODEL

COMPACT MODEL



TABLE TOP MODEL



POINT-OF-USE MODEL



Low Lead Content

## Lowboy

- Side water connections for applications where hand-room is limited.

## Table Top

- Features a convenient flat porcelain surface at 36" height, providing extra "counter space" wherever installed. All plumbing and electrical connections are made through the back of the water heater. This heater is equipped with a PEX cross-linked polymer dip tube.

## Point-of-Use

- Designed for low-demand, such as office lavatories or buildings with remote restrooms.

## Compact

- Side-mounted plumbing and electrical connections (optional top-mounted water connections for field conversion). Designed for installation under a counter, in a crawl space or in other tight spaces.

## Approved For Manufactured Housing

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing.

## Enhanced-Flow Brass Drain Valve

## Code Compliance

- Meets UBC, CEC and HUD 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.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

## Design-Listed By Underwriters Laboratories

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

## 6-Year Limited Tank And Parts Warranty

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Element Wattage		Recovery @ 90°F Rise Gallons Per Hour	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Standard	Maximum		A	B	C	
<b>Compact Models</b>					120V	240V					
EJC-6	6	6	N/A	N/A	1650	3000	8	15-1/4	10-3/4	14-1/4	35
EJC-10	10	9	N/A	N/A	1650	6000	8	18-1/4	12-1/4	16	41
EJCS-20	19	17	N/A	N/A	2500	6000	11	24-3/4	18-5/8	18	68
EJCT-20	19.9	18	N/A	N/A	2500	6000	11	31-5/8	25-3/4	16	68
<b>Lowboy Side-Connect Model</b>					240V						
ENJB-30*	28	26	47	0.90	4500	6000	21	30	21-3/4	22	101
ENJ-30	28	26	43	0.91	4500	6000	21	31-1/4	21-3/4	24	115
ENJB-40*	38	35	57	0.94	4500	6000	21	31-3/4	24	24	118
ENJ-40	38	35	54	0.93	4500	6000	21	33-1/2	24	26	118
<b>Table Top Model</b>					240V						
ENTT-38	38	35	55	0.90	4500	5500	21	36	24	25	150
<b>Point-Of-Use-Models</b>					120V						
EJC-2	2.5	2	N/A	N/A	1500 @ 120V		7	13-3/4	11	13-3/4	20

\*Models ship with insulation blanket.



# PROLINE® XE TANKLESS CONDENSING WITH RECIRCULATION PUMP



OUTDOOR MODEL

INDOOR MODEL

## Integrated Recirculation Pump

- 1/2" pipe - 200'
- 3/4" pipe - 500'

## Pump Controls

- Included with heater
- Two timer settings
- Adjustable differential settings

## ENERGY STAR® Qualified

## Ultra-Low NOx Emissions

- Complies with SCAQMD 1146.2 NOx emission requirements of 14 ng/J or 20 PPM

## Indoor Models

- Include integrated temperature and pump controls with advanced diagnostics that simplify installation and troubleshooting
- Factory-installed power cord

## Outdoor Models

- Includes a wall mount temperature remote controller and advanced diagnostics to simplify troubleshooting

## Common Vent Indoor Models

## Easy-Link 540P with Three Other 540H to Increase Flow Rate

## Safety Features

- Air-Fuel Ratio (AFR) Sensor.
- Exhaust & Water Temperature Safety Control.
- Overheat Cut-Off Fuse.

## Internal Freeze Protection

## Warranty

- 15-year limited warranty on heat exchanger in residential applications
- 6-year limited warranty on heat exchanger in commercial applications
- 5-year warranty on all parts



ANSI Z21.10.3

CSA 4.3

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
		Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
ATI-540P-N	Natural	15,000	199,000	4.0	10.5	0.93	0.95	3/4" NPT	3/4" NPT	3	4.5	12	12	3	4	71

\* For outdoor models, change "ATI" to "ATO". For propane models, change "N" to "P"

\*\* For propane models, minimum is 13,000

\*\*\* For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise

‡ Warm climate represents 50°F temperature rise



# PROLINE® XE TANKLESS CONDENSING HIGH EFFICIENCY



140 OUTDOOR MODEL    140 INDOOR MODEL



240 OUTDOOR MODEL    240 INDOOR MODEL



ANSI Z21.10.3    CSA 4.3

## ENERGY STAR® Qualified

Condensing Technology Provides Up to 0.95 UEF  
Ultra-Low NOx Emissions

- Complies with SCAQMD Rule 1146.2 NOx Emission Requirements Of 14 ng/J or 20 PPM.

## Heat Exchanger

- Primary heat exchanger of the ATI/ATO-540 is constructed of a commercial-grade copper that is more resilient to erosion.
- Copper is 25x better at heat transfer than stainless steel thus stabilizing outgoing water temperature quicker and reducing pressure drop across the heat exchanger.
- Secondary heat exchanger is made of marine-grade 316L stainless steel to protect against corrosion.

## Maximum Flow Rates up to 10.0 GPM

## Indoor Models

- Include integrated temperature controls with advanced diagnostics to simplify installation and troubleshooting.
- Include factory-installed power cord.

## Outdoor Models

- Include a wall mount temperature remote controller and advanced diagnostics to simplify troubleshooting.

## Safety Features

- Air-Fuel Ratio (AFR) Sensor.
- Exhaust & Water Temperature Safety Control.
- Overheat Cut-off Fuse.

## Internal Freeze Protection System

## Power Vent or Power Direct Vent Design

## Warranty

- 15-year limited warranty on heat exchanger in residential applications.
- 6-year limited warranty on heat exchanger in commercial applications.
- 5-year limited warranty on all parts.

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
		Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
ATI-140H-N	Natural	15,000	120,000	4.0	10.5	0.90	0.91	3/4" NPT	1/2" NPT	1.5	2.5	12	12	3	4	54
ATI-240H-N	Natural	15,000	160,000	4.0	10.5	0.94	0.95	3/4" NPT	3/4" NPT	3.5	3.5	12	12	3	4	71
ATI-340H-N	Natural	15,000	180,000	4.0	10.5	0.95	0.94	3/4" NPT	3/4" NPT	4	4	12	12	3	4	71
ATI-540H-N	Natural	15,000	199,000	4.0	10.5	0.93	0.95	3/4" NPT	3/4" NPT	4.5	4.5	12	12	3	4	71

\*For outdoor models, change "ATI" to "ATO". For propane models, change "N" to "P"

\*\*For propane models, minimum is 13,000

\*\*\*For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise

‡ Warm climate represents 50°F temperature rise



# PROLINE® XE TANKLESS NON-CONDENSING CONCENTRIC VENT



## Concentric Vent Design

- Power direct vent
- Vertical or horizontal venting up to 43'

## Field Convertible from Natural Gas to Propane

## Ultra-Low NOx Emissions

- Complies with SCAQMD Rule 1146.2 NOx emission requirements of 14 ng/J or 20 PPM.

## Maximum Flow Rates up to 10.0 GPM

## Primary Heat Exchanger

- Primary heat exchanger of the ATI-510C is constructed of a commercial-grade copper that is more resilient to erosion.
- Copper is 25x better at heat transfer than stainless steel thus stabilizing outgoing water temperatures quicker and reducing pressure drop across the heat exchanger.

## Indoor Models Only

- Include integrated temperature controls and advanced diagnostics to simplify troubleshooting.
- Include factory-installed power cords

## ATI-510C Can be Used in Both Residential and Commercial Applications

- Easy-Link up to 4 units
- Multi-Link up to 20 units

## Safety Features

- Air-Fuel Ratio (AFT) sensor
- Exhaust and water temperature safety control
- Overheat cut-off fuse

## Internal Freeze Protection

## Warranty

- 15-year limited warranty on heat exchanger in residential applications.
- 6-year limited warranty on heat exchanger in commercial applications.
- 5-year limited warranty on all parts.



510c Models only



ANSI Z21.10.3

Model Number*	Gas Consumption Input		Inlet Gas Pressure**		UEF	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx. Shipping Weight (lbs.)
	Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)		Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
ATI-110C-N	15,000	140,000	4.0	10.5	0.79	3/4" NPT	3/4" NPT	1.5	2.5	12	12	3	4	55
ATI-310C-N	15,000	190,000	4.0	10.5	0.82	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	55
ATI-510C-N	15,000	199,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	55

\*Indoor models only. Units are field convertible from natural gas to propane with supplied conversion kit.

\*\*For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise

‡ Warm climate represents 50°F temperature rise



# PROLINE® XE TANKLESS NON-CONDENSING



OUTDOOR MODEL

INDOOR MODEL



ANSI Z21.10.3

## Maximum Flow Rates up to 10.0 GPM

### Copper Primary Heat Exchanger

- Primary heat exchanger of the ATI/ATO-510 is constructed of a commercial-grade copper that is more resilient to erosion.
- Copper is 25x better at heat transfer than stainless steel thus stabilizing outgoing water temperatures quicker and reducing pressure drop across the heat exchanger

### Indoor Models

- Include a remote control with advanced diagnostics to simplify installation and troubleshooting.
- Include factory-installed power cords.

### Outdoor Models

- Include a wall mount temperature remote controller with advanced diagnostics to simplify installation and troubleshooting.

### Low NOx Emissions

## ATI-510 & ATO-510 Can Be Used In Both Residential and Commercial Applications

### Easy-Link up to 4 units (510 Models)

### Safety Features

- Air-Fuel Ratio (AFR) Sensor
- Exhaust & Water Temperature Safety Control
- Overheat cut-off fuse

### Internal Freeze Protection

### Power Vent or Power Direct Vent Design

### Warranty

- 15-year limited warranty on heat exchanger in residential applications.
- 6-year limited warranty on heat exchanger in commercial applications.
- 5-year warranty on all parts.

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure***		UEF (Indoor and Outdoor)	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
		Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)		Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
ATI-110-N	Natural	19,500	140,000	4.0	10.5	0.79	3/4" NPT	3/4" NPT	1.5	2.5	12	12	3	4	38
ATI-310-N	Natural	11,000	190,000	4.0	10.5	0.80	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	43
ATI-510-N	Natural	11,000	199,000	4.0	10.5	0.80	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	45

\*For outdoor models, change "ATI" to "ATO". For propane models, change "N" to "P"

\*\*For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise

‡ Warm climate represents 50°F temperature rise



# PROLINE® XE TANKLESS NON-CONDENSING ULTRA-LOW NOx



OUTDOOR MODEL

INDOOR MODEL

### Ultra-Low NOx Emissions

- Complies with SCAQMD Rule 1146.2 NOx emission requirements of 14 ng/J or 20 PPM.

### Field Convertible from Natural Gas to Propane

### Maximum Flow Rates Up To 10.0 GPM

### Copper Primary Heat Exchanger

- Primary heat exchange of the ATI/ATO-510U is constructed of a commercial-grade copper that is more resilient to erosion.
- Copper is 25x better at heat transfer than stainless steel thus stabilizing outgoing water temperatures quicker and reducing pressure drop across the heat exchanger indoor and outdoor models available.

### Indoor Models

- Include integrated temperature controls with advanced diagnostics to simplify installation and troubleshooting.
- Include factory-installed power cord.

### Outdoor Models

- Include wall mount remote control with advanced diagnostics to simplify installation and troubleshooting.

### ATI-510U / ATO-510U Can Be Used in Both Residential and Commercial Applications

- Easy-Link Up To 4 Units.
- Multi-Link Up to 20 Units.

### Safety Features

- Air-fuel ratio (AFR) Sensor.
- Exhaust & Water Temperature Safety Control.
- Overheat cut-off fuse.

### Internal Freeze Protection

### Power Vent or Power Direct Vent Design

### Warranty

- 15-year limited warranty on heat exchanger in residential applications.
- 6-year limited warranty on heat exchanger in commercial applications.
- 5-year limited warranty on all parts.



ANSI Z21.10.3

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure**		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
		Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
ATI-110U-200	Natural	15,000	140,000	4.0	10.5	0.81	0.81	3/4" NPT	3/4" NPT	1.5	2.5	12	12	3	4	39
ATI-310U-200	Natural	15,000	190,000	4.0	10.5	0.82	0.82	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	39
ATI-510U-200	Natural	15,000	199,000	4.0	10.5	0.82	0.81	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	40

\*For outdoor models, change "ATI" to "ATO". Units are field convertible from natural gas to propane with supplied conversion kit.  
 \*\*When converted to propane, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.  
 † Cold climate represents 70°F temperature rise  
 ‡ Warm climate represents 50°F temperature rise





# PUMP TANKS



Certified to NSF/ANSI 61-G and 372

## Multiple Head Construction Adds Structural Strength and More Capacity within the Same Diameters

- Interior powder coating is permanently bonded to the tank shell for ultimate protection on the water side of the tank.
- Butyl rubber parabolic diaphragm.
- Positive lock retention system controls compression in the diaphragm connection, eliminating air loss or water leaks in tank.
- Electrostatically applied powder-coated exterior for maximum sunlight (UV) resistance with zinc phosphate undercoat for highest corrosion resistance.
- Corrosion-resistant metal air valve.
- Welded steel base.
- 5-year limited warranty.



Model Number	Volume (Gallons)	Connecting NPT Size	Dimensions in Inches			Weight (lbs.)
			Overall Height	To Center of Water Inlet	Diameter	
<b>PMI (Inline) and PM (Free-Standing) Series</b>						
PMI-2	2.0	3/4 (M)	10-3/16	-	8-1/4	5
PMI-5	4.6	3/4 (M)	14-3/4	-	11	9
PMI-7	7.3	3/4 (M)	21-1/16	-	11	14
PMI-14	13.9	1 (M)	21-1/16	2	15-3/8	24
PM-14	13.9	1 (F)	24-15/16	2	15-3/8	24
PM-20	19.9	1 (F)	32-3/8	2	15-3/8	34
PM-26	25.9	1 (F)	39-9/16	2	15-3/8	43
PM-32	31.8	1 (F)	47-1/4	2	15-3/8	52
PM-45	45.2	1-1/4 (F)	36-9/16	2-1/2	22	65
PM-65	65.1	1-1/4 (F)	48-5/8	2-1/2	22	90
PM-85	84.9	1-1/4 (F)	60-11/16	2-1/2	22	114
PM-86	83.5	1-1/4 (F)	46	2-1/2	26	116
PM-119	115.9	1-1/4 (F)	61-5/16	2-1/2	26	161
<b>Horizontal Series</b>						
PMH-7	7.3	3/4 (M)	12-7/8	6-3/4	11	16
PMH-14	13.9	1 (M)	18-1/4	8-3/4	15-3/8	25
PMH-20	19.9	1 (M)	18-1/4	8-3/4	15-3/8	36

NOTE: M-Male connection  
F-Female connection  
All models 38 psi pre-charge



# EXPANSION TANKS



Interior Powder Coating is Permanently Bonded to the Tank Shell for Ultimate Protection on the Inside of the Tank

Butyl Rubber Parabolic Diaphragm

Positive Lock Retention System Controls Compression in the Diaphragm Connection, Eliminating Air Loss or Water Leaks in Tank

Corrosion-Resistant Metal Air Valve

5-Year Limited Warranty on Potable Expansion Tanks

1-Year Limited Warranty on Hydronic Expansion Tanks



Certified to NSF/ANSI 61-G and 372



When used in potable applications

Model Number	Maximum (PSIG) Working Pressure	Tank Volume (Gallons)	Maximum Accepted Volume (Gallons)			Connection NPT Size	Dimensions in Inches		Weight (lbs)
			20 PSI	40 PSI	60 PSI		Overall Height	Diameter	
<b>PMC-Series (Potable Expansion Tanks - 5-Year Limited Warranty)</b>									
PMC-2	150	1.96	1.53	1.27	1.03	3/4	10-3/16	8-1/4	5
PMC-5	150	4.55	3.75	3.05	2.19	3/4	14-3/4	11	9
PMC-10	150	9.25	7.80	6.55	5.25	3/4	15-1/2	15-3/8	18
<b>TW-Series (Potable Expansion Tanks - 1-Year Limited Warranty)</b>									
TW-5	150	2.10	1.53	1.27	1.03	3/4	10/3/2016	8-1/4	5
TW-12	150	4.40	3.75	3.05	2.19	3/4	14-3/4	11	9
<b>PMET-Series (Hydronic Expansion Tanks - 1-Year Limited Warranty)</b>									
PMET-2	100	1.96	1.53	N/A	N/A	1/2	10/3/2016	8-1/4	5
PMET-5	100	4.55	3.75	N/A	N/A	1/2	14-3/4	11	9
PMET-7	100	7.30	4.60	N/A	N/A	1/2	21-1/16	11	14
PMET-14	100	14.6	10.5	N/A	N/A	1/2	23-1/2	15-3/8	25

All PMC and TW models 38 psi pre-charge.  
All PMET models 12 psi pre-charge.

# Want To Grow Your Business?

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**GROW YOUR BUSINESS** with the help of an Xpert. The Xpert Product Selection Tool allows you to recommend a water heater that will meet the needs of a customer, while giving you the opportunity to upsell products that will provide additional hot water and/or perform at higher efficiencies.

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