



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 more than 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.



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.



HEAT TRAP NIPPLES

Helps mitigate standby heat loss by reducing the amount of heat lost through the connected pipes. Factory-installed for faster installation.



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.



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.

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	38-49 Gallons
3 People	49-62 Gallons
4 People	62-74 Gallons
5 People	74-95 Gallons
6 People	95-124 Gallons
7 or More People	124 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).

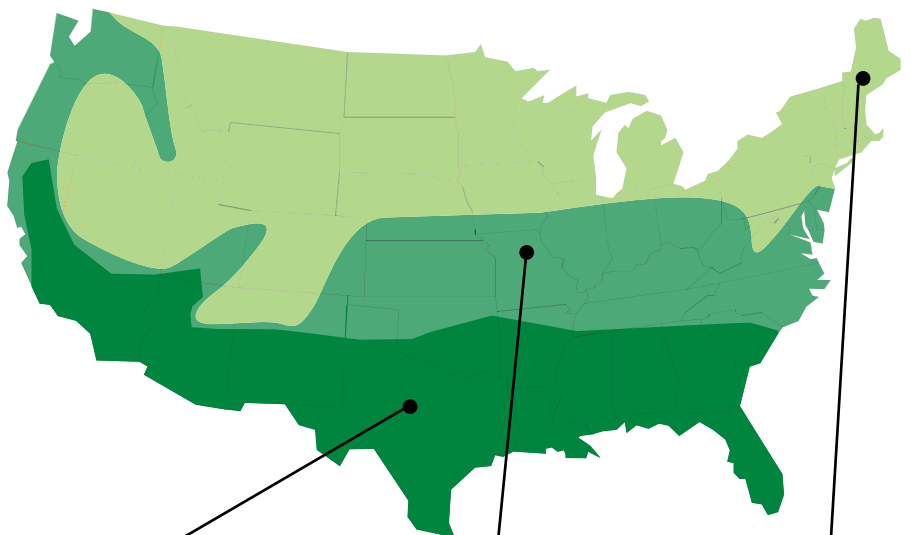
The best way to measure incoming ground water temperature is to use a thermometer to measure cold water temperature during the coldest season of the year. To simplify the process, use this map to determine whether your installation location is in the Southern Zone, Central Zone or Northern Zone.

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.



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. 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. 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 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.

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

RESIDENTIAL GAS WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

PREMIUM FEATURES:



	PROLINE® GOOD	PROLINE® MASTER BETTER	PROLINE® XE BEST
OPERATING COST	\$\$\$	\$	\$
INSTALLATION SPACE REQUIRED	■ to ■ ■	■ ■	■ ■ ■
WARRANTY (YEARS)	6	8	6-10
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 STAR® Qualified*			●
Electronic User Interface*			●
Over 90% Condensing Efficiency*			●
Best In Class Material and Technology			●
Industry Leading Efficiency			●
Multiple Venting Options			●

*Select Heat Pump Water Heater models 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 and use our product selector tool.

VERTEX™ HIGH EFFICIENCY POWER VENT

PROLINE® XE
BEST



SERIES 120



ENERGY STAR® QUALIFIED

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.

Condensing Design

- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water.
- High efficiency operation with 0.88 UEF (94% Thermal Efficiency) which saves money on operating costs compared to a standard efficiency gas water heater.

Power Vent Design for Installation Versatility

- Power vent using PVC, CPVC, ABS or Polypropylene either thru-the-wall or thru-the-roof.

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

Code Compliance

- Meets IBC 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	Height to Top of Blower	Diameter	
GPHE-50	50	48	124	0.88	94%	95	76,000	68-3/4	71-1/8	22	225

Available in natural gas only.
Standard model certified for sea level to 5,300 ft. elevation. Special models available for elevations up to 10,100 ft.
Optional Condensate Neutralizer Kit available (part number 100112380).

VERTEX™ HIGH EFFICIENCY POWER DIRECT VENT

PROLINE® XE
BEST



SERIES 300



ENERGY STAR® QUALIFIED

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.

Advanced Electronic Control

- Exclusive A. O. Smith designed touch display control system.
- Precise temperature control.
- Advanced diagnostics.
- Built-in diagnostics and operational information.

Condensing Design

- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water.
- High efficiency operation with up to 0.88 UEF (96% Thermal Efficiency) which saves money on operating costs compared to a standard efficiency gas water heater.

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

- Power Direct vent using PVC, CPVC or Polypropylene either thru-the-wall or thru-the-roof.
- Optional concentric vent and low profile termination kits are available.

Ultra-Low NOx

- 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.

Side-Mounted Taps for Recirculating Systems

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

Code Compliance

- Meets IBC and ICC National Codes.
- Meets the efficiency 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.

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	BTU Input Per Hour	Dimensions in Inches		Approx. Shipping Weight (lbs)
							Height to Top of Heater	Diameter	
GDHE-50	50	49	100	0.88	96%	100,000	66-3/4	22	255
GDHE-75	75	74	130	0.86	96%	100,000	65-1/4	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

PROLINE® XE
BEST



ENERGY STAR® QUALIFIED

Stainless Steel Construction

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

Condensing Design

- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water.
- High efficiency operation with up to 0.90 UEF (96% Thermal Efficiency) which saves money on operating costs compared to a standard efficiency gas water heater.
- Modulating burner maintains high efficiency operation at lower input rates.

Power Direct Vent Design

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

Quiet Operation

- Quiet blower and burner minimize noise.

Advanced Electronic Control

- Exclusive A. O. Smith designed touch display control system.
- Precise temperature control.
- Built-in diagnostics and operational information.

Ultra-Low NOx

- 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.

Code Compliance

- Meets IBC 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.



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	Dimensions in Inches		Approx. Shipping Weight (lbs)
								Height to Top of Heater	Diameter	
GSP 100	34	33	179	0.90	96%	129	100,000	48-1/2	22	150
GSP 130	34	N/A	N/A	N/A	96%	165	130,000	48-1/2	22	150
GSP 150	34	N/A	N/A	N/A	94%	190	150,000	48-1/2	22	150
GTP 130	50	N/A	N/A	N/A	95%	165	130,000	62-3/8	22	176
GTP 150	50	N/A	N/A	N/A	95%	190	150,000	63-3/4	22	180
GTP 175	50	N/A	N/A	N/A	96%	222	175,000	63-3/4	22	180
GTP 199	50	N/A	N/A	N/A	96%	253	199,000	63-3/4	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



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
- Water inlet and outlet reduce the amount of heat lost through piping

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).

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.

Hot-surface Ignitor

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

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-Certified by CSA Group

- 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.



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

PROLINE® XE
BEST



ENERGY STAR® Qualified

- All models (except GPD 75L) meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.

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.

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.

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
- Water inlet and outlet reduce the amount of heat lost through piping.

Enhanced-Flow Brass Drain Valve

Design-Certified by CSA Group

- 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	
GPD 40	200	40	38	74	0.68	40,000	45	58-1/4	49-5/8	22	174
GPD 50	200	50	48	81	0.72	45,000	50	67-1/2	58-3/4	22	192
GPD 50L	200	50	48	118	0.73	62,000*	73	69	60-1/4	22	200
† GPD 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 GPD models.
 For side connect models, add "L" to the model number (example: GPD-50L).
 Side connections available on GPD and GPD models.
 All models are certified from sea level to 10,100 ft. elevation.
 † GPD-75 is not ENERGY STAR® Qualified.

PROLINE® XE HIGH EFFICIENCY NON-CONDENSING FLUE DAMPER



ENERGY STAR® Qualified

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.

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/J.

DynaClean™ Diffuser Dip Tube

CoreGard™ Anode Rod

Requires 120V Power

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

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC, CEC, and HUD (excluding mobile homes) National Codes.
- Meets the efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Gallon Per Hour Natural*	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 Outlet		
Tall Models												
GCF-40	40	38	70	0.64	40,000	42	64-1/4	58-1/4	20	3" or 4"	152	
GCF-50	50	48	84	0.69	40,000	42	63-1/2	57-1/4	22	3" or 4"	167	
Short Models												
GCFL-40	40	38	65	0.66	40,000	42	54	47-3/4	22	3" or 4"	149	
*GCFL-50	50	49	78	0.69	40,000	42	55-3/4	49-1/2	24	3" or 4"	175	

Water connection is 3/4" on all models
All models are certified from sea level to 10,100 ft. elevation

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

PROLINE® XE
BEST



ENERGY STAR® Efficiency

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.

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 foot power cord with standard 3-prong male connector provided.

Electrical requirements; 110/120 VAC power source, less than 5 amp draw.

Code Compliance

- Meets IBC, CEC, and HUD (excluding mobile homes) National Codes.
- Meets the efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



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 (lbs)
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood Outlet	
GUF-40	40	38	68	0.65	40,000	42	64-1/4	58-1/4	20	3" or 4"	152
GUF-50	50	48	83	0.70	40,000	42	63-1/2	57-1/4	22	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 IBC, CEC and HUD National Codes.
- Meets the efficiency requirements of the U. S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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



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			Approx. Shipping Weight (lbs)
							Height to Top of Blower	Height to Top of Tank	Diameter	
GPNH-40	40	38	76	0.70	42	42,000	66-7/8	58-5/8	20	170
GPNH-50	50	48	71	0.65	42	42,000	65-5/8	57-7/16	22	207

No option available for top T&P valve.

PROLINE® MASTER ATMOSPHERIC VENT

PROLINE® MASTER
BETTER



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 IBC, CEC and HUD National Codes.
- Meets the efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



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 Outlet	
Tall Models												
HWR 40	40	38	80	0.66	40,000	36,000	42	61-3/4	58-1/4	20	3 or 4	138
HWG 50	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 or 4	148
HWR 50	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 or 4	165
HWRT 50*	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
HWRX 55*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
HWRL 40	40	38	67	0.59	40,000	36,000	41	51-1/2	48	22	3 or 4	135
HWRL 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.

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



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 IBC, CEC and HUD National Codes.
- Meets the efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



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 Outlet		
Tall Models												
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	125	
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	148	
HURT-50L	50	48	91	0.60	50,000	51	61	57-1/2	22	4	177	
Short Models												
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).
All models approved for installation from sea level to 10,100 ft. elevation.

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/J.

Dynaclean™ Diffuser Dip Tube

Coregard™ Anode Rod

Push-Button Piezo Ignitor

Blue Diamond® Glass Coating

Enhanced-Flow Brass Drain Valve

Code Compliance

- Meets IBC, CEC and ICC National Codes.
- Meets the efficiency 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 Group

- 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.



Model Number	Nominal Capacity	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 Outlet	
FCG-75	74	0.60	75,100	81	61	58-1/2	16	4	270
FCG-100	98	0.58	75,100	81	68-1/2	66-1/2	16	4	340

Water connections are 1" male NPT on the FCG-75 and 1 1/4" on the FCG-100. For optional side loop fitting add L suffix to 75 gallon model number (FCG-75L).

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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



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 Tank	Diameter	Vent Supplied	
GDV-40	40	39	64	0.60	38,000	41	49-3/4	22	Co-Axial	178
GDV-50	50	48	77	0.66	40,000	43	59	22	Co-Axial	200
GDVT-50	50	48	83	0.65	47,000	51	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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



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 Outlet	
Tall Models												
†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	190
GCRX-55*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
†GCBL-30	30	28	68	0.58	35,500	32,000	37	50	46-1/2	18	3 or 4	110
GCR-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
GCR-40	40	38	67	0.59	40,000	36,000	41	51-1/2	48	22	3 or 4	135
GCR-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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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 6-Year Limited Tank Parts Warranty

- For complete information, consult written warranty or go to 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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.

Design-Certified by CSA Group

- 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 6-Year Limited Parts Warranty

- For complete information, consult written warranty or go to 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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



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 Outlet		
Tall Models												
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	
Short Models												
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).
All models approved for installation from sea level to 10,100 ft. elevation.

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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

Design-Certified by CSA Group

- 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.



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 Tank	Diameter	Vent Supplied	
GDNL-40L	40	39	52	0.60	36,000	39	50-1/2	22	Co-Axial	179
GDNT-50L	50	48	76	0.65	38,000	41	58-1/2	22	Co-Axial	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

- Meets the efficiency 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.



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	Draft Hood	
**†GCN-75	74	71	102	0.64	81	75,100	62-1/16	29-1/2	25-1/4	4"	285 lbs
*GCN-100	98	95	120	0.58	82	75,100	70-1/2	30-15/16	27-3/4	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.

Water connections are 1" male NPT on the GCN-75 and 1 1/4" on the GCN-100.

RESIDENTIAL ELECTRIC WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

PREMIUM FEATURES:



	PROLINE® GOOD	PROLINE® MASTER BETTER	PROLINE® XE BEST
OPERATING COST	\$\$\$	\$\$	\$
INSTALLATION SPACE REQUIRED	■ to ■ ■	■ ■	■ ■ ■
WARRANTY (YEARS)	6	8	6-10
Blue Diamond® Glass Coating	●	●	●
DynaClean™ Automatic Sediment-Cleaning System	●	●	●
Heat Trap Nipples	●	●	●
Enhanced Flow Brass Drain Valve	●	●	●
CoreGard™ Advanced Anode Rod Protection	●	●	●
ENERGY STAR® Qualified*			●
Electronic User Interface*			●
Industry Leading Efficiency*			●

*Select Heat Pump Water Heater models 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 and use our product selector tool.



VOLTEX® HYBRID ELECTRIC HEAT PUMP

PROLINE® XE
BEST



ENERGY STAR® Qualified

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.

Increased Energy efficiency

- Reduce water heating costs up to 73% compared to a standard electric water heater.
- Up to a 3.52 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)

Code Compliance

- Meets IBC 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.

10-Year Limited Warranty

- For complete information, consult written warranty or go to 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	3.52	66	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

PROLINE® XE
BEST



ENERGY STAR® Qualified

- All models meet the ENERGY STAR® requirement and may also qualify for local utility and rebate programs.

Increased Energy Efficiency

- Reduce water heating costs up to 73% compared to a standard electric water heater.
- Up to a 3.52 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)

Code Compliance

- Meets IBC 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.

6-Year Limited Warranty

- For complete information, consult written warranty or go to 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	3.52	66	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

PROLINE® XE
BEST



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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

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.



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	
Tall Models											
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-50W	50	45	62	0.92	21	4500	4500	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
Short Models											
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
PXNS-50W	50	46	58	0.92	21	4500	4500	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.

Minimum wattage available is 4,500 watt elements.

When ordering models PXNT-50 or PXNS-50 with 4,500 watt elements the model number will include a "W" suffix (example: PXNS-50W)

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

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.

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	Minimum	Maximum	Height to Top of Tank	Height to T&P	Diameter	
Tall Models												
HNT-40	40	36	53	0.92	21	4500	3500	6000	61-1/4	53-1/4	18	118
HNT-50	50	46	59	0.92	21	4500	@ 3000	6000	60-1/2	51-1/4	20-1/2	125
HNT-50W	50	46	45	0.88	11	-	1000	2500	60-1/2	51-1/4	20-1/2	125
HNT-55	55	55	72	0.93	21	4500	2500	6000	56-1/2	48-1/2	24	145
Short Models												
HNS-40	40	37	55	0.92	21	4500	@ 4500	6000	49 3/4	40-3/4	20-1/2	109
HNS-40W	40	37	41	0.88	18	-	1000	4000	49 3/4	40-3/4	20-1/2	109
HNS-50	50	46	57	0.92	21	4500	2500	6000	49 1/4	40-3/8	23	161

Male 3/4" water connections on 8" center.

Models requiring a lower wattage than what is listed in the minimum wattage column and showing the @ symbol, will change to a "W" suffix model number.

"W" suffix models are available down to 1kW. (example: HNS-40 using 4,000 watt elements or less will become "HNS-40W").

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

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 efficiency 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.



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Per Hour	Element Wattage 240V			Dimensions in Inches			Approx. Shipping Weight (lbs)
						Standard	Minimum	Maximum	Height to Top of Tank	Height to T&P	Diameter	
Tall Models												
ENT-30†	30	27	48	0.89	21	4500	1000	6000	46-1/2	39-1/2	19	95
ENT-40†	40	36	53	0.92	21	4500	3500	6000	61-1/4	53-1/4	18	118
ENT-50†	50	46	59	0.92	21	4500	@ 3000	6000	60-1/2	51-1/4	20-1/2	134
ENT-50W†	50	46	45	0.88	11	-	1000	2500	60-1/2	51-1/4	20-1/2	134
ENT-55†	55	55	72	0.93	21	4500	2500	6000	56-1/2	48-1/2	24	145
Short Models												
ENSB-30*	30	27	50	0.90	21	4500	1000	6000	39	30-1/2	20	95
ENS-30†	30	27	47	0.89	21	4500	1000	6000	39-3/4	30-1/2	22	94
ENS-40†	40	37	55	0.92	21	4500	@ 4500	6000	49-3/4	40-3/4	20-1/2	109
ENS-40W†	40	37	41	0.88	18	-	1000	4000	49-3/4	40-3/4	20-1/2	109
ENS-50†	50	46	57	0.92	21	4500	2500	6000	49-1/4	40-3/8	23	161
Lowboy Top Connect Models												
ENL-20	19.9	19	N/A	N/A	21	4500	1000	6000	30	21-1/4	20	65
ENLB-30*†	28	26	43	0.89	21	4500	1000	6000	30	21-3/4	20	96
ENL-30†	28	26	44	0.90	21	4500	1000	6000	31 1/4	21-3/4	24	115
ENL-36†	36	33	51	0.92	21	4500	@ 4500	6000	32	24	24	118
ENL-36W†	36	33	37	0.89	18	-	1000	4000	32	24	24	118
ENL-40†	38	35	50	0.89	21	4500	1000	6000	33 1/2	24	26	118
ENLB-40*†	38	35	51	0.92	21	4500	@ 4500	6000	32	24	23	118
ENLB-40W*†	38	35	38	0.90	18	-	1000	4000	32	24	23	118
ENLB-50*†	48	44	60	0.93	21	4500	@ 4000	6000	34	25	26-1/2	172
ENLB-50W*†	48	44	40	0.91	16	-	1000	3500	34	25	26-1/2	172
ENL-50†	51	48	54	0.92	21	4500	4000	6000	36	25	26-1/2	172

Male 3/4" water connections on 8" center. *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-30).

ENL-20 is a single element configuration only. Models requiring a lower wattage than what is listed in the minimum wattage column and showing the @ symbol, will change to a "W" suffix model number. "W" suffix models are available down to 1kW. (example: ENS-40 using 4,000 watt elements or less will become "ENS-40W").

Top T&P is not available on the 10 year lowboy models.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

MOBILE HOME



Approved for Manufactured Housing

- Compliant with HUD standards for mobile homes/manufactured housing.

Side Water Connections

- Designed for easy 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 and compatibility with typical mobile home electrical requirements.

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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

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.

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
MHE6-40RW-030D	40	36	40	0.91	14	120	3000	3000	50	22	109
MHE6-40RW-035D	40	36	40	0.91	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



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 efficiency requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

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.



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		Height to Top of Tank	Height to T&P	Diameter	
Compact Models					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
Lowboy Side-Connect Model					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
ENJB-40W*	38	35	38	0.91	-	4000	18	31-3/4	24	24	118
ENJ-40	38	35	54	0.93	4500	6000	21	33-1/2	24	26	118
ENJ-40W	38	35	38	0.91	-	4000	18	33-1/2	24	26	118
Table Top Model					240V			Height	Depth	Width	
ENTT-38	38	35	55	0.90	4500	5500	21	36	24	25	150
Point-Of-Use-Models					120V			Height	Depth	Width	
EMT-2.5	2.5	2.6	N/A	N/A	1440 @ 120V		7	18-1/2	13-1/4	12 1/4	17
EMT-4	4	3.8	N/A	N/A	1440 @ 120V		7	23 1/4	13-1/4	12 1/4	20
EMT-6	6	5.9	N/A	N/A	1440 @ 120V		7	24 1/4	16	15	24

*Models ship with a supplied insulation blanket.

When ordering models ENJ-40 or ENJB-40 the model number will change for wattages of 4kW to 1kW. The new model number will include a "W" suffix (example: ENJB-40W). Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

RESIDENTIAL TANKLESS WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

PREMIUM FEATURES:



OPERATING COST \$
 INSTALLATION SPACE REQUIRED ■
 WARRANTY (YEARS) 6-10

Model Family	Proline XE Non-Condensing	Proline XE Non-Condensing ULN	Proline XE Non-Condensing Concentric Vent	Proline XE Condensing	Proline XE Condensing with Recirc Pump	Proline XE Combi Boiler
Condensing				●	●	●
Non-Condensing	●	●	●			
Indoor Models	●	●	●	●	●	●
Outdoor Models	●	●		●	●	
BTUs	199k	120k-199k	110k-199k	140k-199k	140k-199k	140k-199k
Recirculation Pump - DHW					●	
Recirculation Pump - Hydronic Heating						●
Concentric Venting			●			
Ultra Low Nox		●		●	●	●
ENERGY STAR® Qualified*				●	●	●

*Select Heat Pump Water Heater models 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 and use our product selector tool.



PROLINE® XE TANKLESS COMBI BOILER

PROLINE® XE
BEST



Indoor Installation Only

Ultra-Low NOx Emissions

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

Modulating burner with 10:1 turndown ratio

- Continuously adjusts the firing rate to match demand for maximum comfort and system efficiency.

Electronic User Interface

- User-friendly electronic interface allows easy control of temperature, system setting and operating mode.
- Advanced diagnostics convey error messages for service purposes.

Power Direct Vent Design

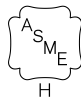
- Two-pipe sealed combustion system uses outside air, eliminating problems caused by insufficient indoor ventilation.

Domestic Hot Water flow rate up to 4.8 gpm at 77°F temperature rise

50 PSI max pressure (boiler); 150 PSI max pressure (DHW)

Warranty

- 10-year limited warranty on heat exchanger in residential applications.
- 5-year warranty on all parts.
- Refer to hotwater.com for further warranty details



ANSI Z21.13 • CSA 4.9

Model Number*	Gas Consumption Input		Minimum in. W.C.†	Maximum in. W.C.	AFUE%	Heating Capacity BTU/H	Net AHRI Rating BTU/H	GPM at 77°F Rise	Water Connections		Gas Connection	Approx. Shipping Weight (lbs)
	Minimum BTU/H	Maximum BTU/H							Space Heating	DHW		
ACB-110S-N	11,000	110,000	4.0	14.0	95.0	102,000	89,000	2.6	1" NPT	3/4" NPT	1/2" NPT	139
ACB-150S-N	15,000	150,000	4.0	14.0	95.0	139,000	121,000	3.6	1" NPT	3/4" NPT	1/2" NPT	142
ACB-199S-N	19,999	199,999	4.0	14.0	95.0	185,000	161,000	4.8	1" NPT	3/4" NPT	1/2" NPT	159

*S Models can operate up to 4,500'. For high altitude (3,000' - 9,600'), change S to H. For liquid propane (LP), change N to P.

†For LP, minimum supply pressure is 8.0 in. W.C.

Indoor installation only.

PROLINE® XE TANKLESS CONDENSING WITH RECIRCULATION PUMP

PROLINE® XE
BEST



OUTDOOR MODEL

INDOOR MODEL



ANSI Z21.10.3

CSA 4.3

ENERGY STAR® Qualified

- May also qualify for local utility and rebate programs.

Integrated Recirculation Pump

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

Pump Controls

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

Ultra-Low NOx Emissions

- 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.

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

Model Number*	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			Approx Shipping Weight (lbs)
	Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Height	Width	Depth	
ATI-540P-N	15,000	199,000	4.0	10.5	0.93	0.95	3/4" NPT	3/4" NPT	3	4.5	23-5/8	17-3/4	11 1/4	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

PROLINE® XE
BEST



140 OUTDOOR MODEL 140 INDOOR MODEL



240 OUTDOOR MODEL 240 INDOOR MODEL



ANSI Z21.10.3

CSA 4.3

ENERGY STAR® Qualified

- May also qualify for local utility and rebate programs.

Condensing Technology Provides Up to 0.95 UEF

Ultra-Low NOx Emissions

- 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.

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

Model Number*	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			Approx Shipping Weight (lbs)
	Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Height	Width	Depth	
ATI-140H-N	15,000	120,000	4.0	10.5	0.90	0.91	3/4" NPT	1/2" NPT	1.5	2.5	22-7/8	13-7/8	10-13/16	54
ATI-240H-N	15,000	160,000	4.0	10.5	0.94	0.95	3/4" NPT	3/4" NPT	3.5	3.5	23-5/8	17-3/4	11-1/4	71
ATI-340H-N	15,000	180,000	4.0	10.5	0.95	0.94	3/4" NPT	3/4" NPT	4	4	23-5/8	17-3/4	11-1/4	71
ATI-540H-N	15,000	199,000	4.0	10.5	0.93	0.95	3/4" NPT	3/4" NPT	4.5	4.5	23-5/8	17-3/4	11-1/4	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

PROLINE® XE
BEST



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 and other air quality management districts with similar requirements for Ultra-Low NOx emissions 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.
- 5-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)		Dimensions in Inches			Approx Shipping Weight
	Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)		Water	Gas	Cold Climate†	Warm Climate‡	Height	Width	Depth	
ATI-110C-N	15,000	140,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	1.5	2.5	20-1/2	13-3/4	11-1/2	55
ATI-310C-N	15,000	190,000	4.0	10.5	0.82	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	11-1/2	55
ATI-510C-N	15,000	199,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	11-1/2	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

PROLINE® XE
BEST



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

Model Number*	Gas Consumption Input		Inlet Gas Pressure***		UEF (Indoor and Outdoor)	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			Approx Shipping Weight (lbs)
	Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)		Water	Gas	Cold Climate†	Warm Climate‡	Height	Width	Depth	
ATI-110-N	19,500	140,000	4.0	10.5	0.79	3/4" NPT	3/4" NPT	1.5	2.5	20-1/4	13-3/4	7-3/4	38
ATI-310-N	11,000	190,000	4.0	10.5	0.80	3/4" NPT	3/4" NPT	2.5	3.5	20-1/4	13-3/4	9-1/2	43
ATI-510-N	11,000	199,000	4.0	10.5	0.80	3/4" NPT	3/4" NPT	2.5	3.5	20-1/4	13-3/4	9-1/2	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

PROLINE® XE
BEST



OUTDOOR
MODEL

INDOOR MODEL



Meets SCAQMD
Rule 1146.2
California and Texas



510U Models



ANSI Z21.10.3

Ultra-Low NOx Emissions

- 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.

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

Model Number*	Gas Consumption Input		Inlet Gas Pressure**		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Dimensions in Inches			Approx Shipping Weight (lbs)
	Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Height	Width	Depth	
ATI-110U	15,000	140,000	4.0	10.5	0.81	0.81	3/4" NPT	3/4" NPT	1.5	2.5	20-1/2	13-3/4	10	39
ATI-310U	15,000	190,000	4.0	10.5	0.82	0.82	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	10	39
ATI-510U	15,000	199,000	4.0	10.5	0.82	0.81	3/4" NPT	3/4" NPT	2.5	3.5	20-1/2	13-3/4	10	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.

Same Diameters

- 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	
PMI (Inline) and PM (Free-Standing) Series						
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
Horizontal Series						
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

PROLINE®
—GOOD—



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	
PMC-Series (Potable Expansion Tanks - 5-Year Limited Warranty)									
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
TW-Series (Potable Expansion Tanks - 1-Year Limited Warranty)									
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
PMET-Series (Hydronic Expansion Tanks - 1-Year Limited Warranty)									
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?

CONSULT THE XPERT.



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.

CREATE HAPPY CUSTOMERS. The Xpert Product Selection Tool adds to your expertise by quickly selecting the best water heater based on your customer's lifestyle. The Xpert allows you to immediately show a customer the facts about a water heater and why it's the perfect fit, based on your recommendation.



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