

B R A D F O R D W H I T E

# Residential Product Selection Guide



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# A Complete Residential Water Heater Product Line to Meet All Your Needs.

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Our extensive line of residential products has been redesigned for higher efficiency, and new models have been added to give you more options and more solutions. Included here you'll find our full array of Bradford White residential water heaters including all NAECA 2015 compliant models.

Engineered to save your customers both energy and money, our residential water heaters are the perfect choice for nearly any residential application and the perfect choice for your wholesale or contracting business. For complete information on our residential product line and all Bradford White products, please visit [www.bradfordwhite.com](http://www.bradfordwhite.com).





**Atmospheric Vent Models**

These water heaters are atmospherically vented with capacities ranging from 30 to 50 gallons and inputs ranging from 27,000-50,000 BTU/Hr. Atmospheric vent models are perfect for many standard water heating applications.

- Up to 0.64 Energy Factor
- Natural Gas or Propane
- 30, 40, 48, & 50 gallon capacities
- Up to 50,000 BTU/Hr.
- 16", 18", 20", 22", and 24" diameters available
- 1" and 2" insulated models available



**Atmospheric Vent High Input Models**

Atmospheric vent high input models offer larger gallon capacities and higher recovery rates. This translates to an increased amount of hot water available at a usable temperature in less time than normal.

- 0.60 Energy Factor
- Natural Gas or Propane
- 48, 55, 75, & 100 gallon capacities
- Up to 88,000 BTU/Hr.



**Atmospheric Vent High EF Models**

This 0.70 Energy Factor water heater is atmospherically vented and utilizes a highly efficient fan to pull air through a tightly restricted baffle system. This provides a high rate of heat transfer to the water stored in the tank.

- ENERGY STAR® qualified
- 0.70 Energy Factor
- Natural Gas or Propane
- 40 & 50 gallon capacities
- 38,000 BTU/Hr.



**Atmospheric Vent Damper Models**

These water heaters feature an automatic flue damper that helps to reduce standby heat loss. The flue damper, combined with additional insulation and heat traps, helps these units achieve a high Energy Factor rating.

- ENERGY STAR® qualified (RG2D40&50)
- Up to 0.67 Energy Factor
- Natural Gas or Propane
- 30, 40, & 50 gallon capacities
- Up to 40,000 BTU/Hr.



**Manufactured Home Atmospheric Vent Models**

Operating much like a conventional gas water heater, manufactured home atmospheric vent models are designed in accordance with H.U.D. and are certified for installation in a manufactured home (mobile home) only.

- 0.63 Energy Factor
- Natural Gas or Propane
- Convertible control for use with either natural gas or propane
- 30 & 40 gallon capacities
- Up to 34,000 BTU/Hr.

**RESIDENTIAL ULTRA LOW NOX GAS WATER HEATERS**



**Ultra Low NOx Atmospheric Vent Models**

Our Eco-Defender Ultra Low NOx models emit 75% less NOx emissions than standard models while maintaining optimal combustion efficiencies and consistent operational temperatures. They meet the most stringent air quality requirements in the country.

- Up to 0.64 Energy Factor
- Natural Gas only
- 30, 40, 48, & 50 gallon capacities
- Up to 50,000 BTU/Hr.
- 16", 18", 20", 22", and 24" diameters available
- 1" and 2" insulated models available



**Ultra Low NOx Atmospheric Vent High Input Models**

Ultra Low NOx High Input water heaters are atmospherically vented. With capacities of 48, 75, and 100 gallons and inputs from 55,000 to 85,000 BTU/Hr., these models are perfect for many larger water heating applications.

- 0.60 Energy Factor
- Natural Gas only
- 48, 75, & 100 gallon capacities
- Up to 85,000 BTU/Hr.



**Ultra Low NOx Atmospheric Vent Damper Models**

These Ultra Low NOx water heaters feature an automatic flue damper that helps to reduce standby heat loss. The flue damper, additional insulation, and heat traps help these units achieve a high Energy Factor rating.

- Up to 0.65 Energy Factor
- Natural Gas only
- 30, 40, & 50 gallon capacities
- Up to 40,000 BTU/Hr.



**Ultra Low NOx Power Vent Models**

These Eco-Defender Safety System® Ultra Low NOx water heaters are power vented for positive exhaust. They offer greater installation flexibility with the ability to vent through a wall or roof, with either 2", 3", or 4" (depending on the model) PVC®, ABS, or CPVC pipe.

- ENERGY STAR® qualified (URG2PV40T, 50T & 50H)
- Up to 0.70 Energy Factor
- Natural Gas only
- 40, 48, 50, & 75 gallon capacities
- Up to 76,000 BTU/Hr.



**Ultra Low NOx Power Direct Vent Models**

Ultra Low NOx Power Direct Vent models use outside air for combustion and are the solution to installations that lack sufficient inside air. All models can utilize an optional concentric vent kit.

- ENERGY STAR® qualified
- Up to 0.70 Energy Factor
- Natural Gas only
- 40, 48, & 50 gallon capacities
- Up to 50,000 BTU/Hr.



**Ultra Low NOx Direct Vent Models**

Ultra Low NOx Direct Vent water heaters utilize a coaxial (pipe inside a pipe) vent pipe that takes air in from the outside (outer pipe) and sends combustion gases directly back to the outside (inner pipe). It is the perfect choice for situations with insufficient combustion air. No electricity required.

- Up to 0.62 Energy Factor
- Natural Gas only
- Solid and flexible vent kits available
- 40, 48, & 50 gallon capacities
- Up to 45,000 BTU/Hr.

## RESIDENTIAL GAS WATER HEATERS



### eF Series® High Efficiency Power Vent Model

This high efficiency, power vent water heater has a thermal efficiency of over 90% and a high recovery to deliver an impressive amount of usable hot water. It also features a dual-pass heat exchanger.

- Over 90% Thermal Efficiency
- Vertical, dual-pass heat exchanger system
- Natural Gas or Propane
- 50 gallon capacity
- 76,000 BTU/Hr.



### Power Vent Models

Our Power Vent models are power vented for positive exhaust. They offer greater installation flexibility with the ability to vent through a wall or roof, with either 2", 3", or 4" (depending on the model) PVC, ABS or CPVC pipe.

- ENERGY STAR® qualified (RG2PV40T, 50T, 50H)
- Up to 0.70 Energy Factor
- Natural Gas or Propane
- 40, 48, 50, 55, & 75 gallon capacities
- Up to 78,000 BTU/Hr.



### Power Direct Vent Models

Power Direct Vent models are the solution to installations that lack sufficient air for combustion and require installation flexibility. All models can vent vertically or horizontally and can utilize an optional concentric vent kit.

- ENERGY STAR® qualified (except RG2PV75)
- Up to 0.70 Energy Factor
- Natural Gas or Propane
- 40, 48, 50, & 75 gallon capacities
- Up to 80,000 BTU/Hr.



### Direct Vent Models

Direct Vent water heaters utilize a coaxial (pipe inside a pipe) vent pipe that takes air in from the outside (outer pipe) and sends combustion gases directly back to the outside (inner pipe). It is the perfect choice for situations with insufficient combustion air. No electricity required.

- Up to 0.62 Energy Factor
- Natural Gas or Propane
- Solid and flexible vent kits available
- 40, 48, & 50 gallon capacities
- Up to 50,000 BTU/Hr.



### Manufactured Home Direct Vent

As with the atmospheric vent model, its direct vent counterpart is also designed for mobile homes. This version takes combustion air in from outside and then vents combustion gases directly back outside.

- Up to 0.63 Energy Factor
- Natural Gas or Propane
- Convertible control for use with either natural gas or propane
- 30 & 40 gallon capacities
- 30,000 BTU/Hr.

## RESIDENTIAL ELECTRIC WATER HEATERS



### AeroTherm™ Series Heat Pump Models

AeroTherm™ Series heat pump water heaters are highly efficient. They offer advanced technology and low cost operation. Operating modes include heat pump, hybrid, electric only, and vacation.

- ENERGY STAR® qualified
- Up to 3.39 Energy Factor
- Easily accessible top mounted washable air filter
- Backup electric heating elements
  - 50 & 80 gallon capacities



### Upright Models

Easy to install and maintain, Bradford White's line of upright electric models are available in single and double element models, these water heaters give you the power you need to heat water with electricity.

- 0.95 Energy Factor
- Fully automatic controls
- Direct heat transfer with immersed elements
- 30, 40, & 50 gallon capacities
- Voltages available – 120V, 208V, 240V, 277V, 480V
- Single Phase or Three Phase operation available



### Lowboy Models

Built for tight spaces with low headroom, Lowboy models allow you flexibility to put electric water heating where a conventional upright tank will not fit. Lowboy models are perfect for under-the-counter installations.

- 0.95 Energy Factor
- Fully automatic controls
- Direct heat transfer with immersed elements
- 19, 28, & 38 gallon capacities
- Voltages available – 120V, 208V, 240V, 277V, 480V
- Single Phase or Three Phase operation available



### Utility Models

These compact models are, as the name implies: utility water heaters that provide smaller volumes of hot water where usage is intermittent or demand is lower.

- Fully automatic controls
- Direct heat transfer with a single immersed element.
- 6, 10, 12, 15, & 19 gallon capacities
- Voltages available – 120V, 208V, 240V, 277V, 480V
- Single Phase operation
- Alternate top water connections (6 & 12 gallon models)



### Wall Hung Models

Designed to save valuable floor space, the wall hung electric water heater is the perfect solution where installation options are limited. Wall hung models feature an integrated bracket for wall mounting and have water connections on the bottom of the water heater.

- Fully automatic controls
- Direct heat transfer with a single immersed element
- 6, 12, & 19 gallon capacities
- Voltages available – 120V, 208V, 240V, 277V, 480V
- Single Phase operation



### PC Powerful Compact® Models

Offering two gallons of stored hot water capacity, the PC® is a small unit that fits under a sink or other tight space. It provides hot water at locations where demand is low or distance from the main water heater is great.

- Fully automatic controls
- Direct heat transfer with immersed element
- 2 gallon capacity
- Steel tank
- Steel jacket
- Wall mounting bracket & aluminum Anode Rod optional

## TANKLESS WATER HEATERS



### Infiniti High Efficiency Tankless Gas Model

The High Efficiency Bradford White Infiniti Tankless™ Water Heater with SRT™ (Scale Reduction Technology) offers a fully condensing design, an input of 199,000 BTU/Hr., a fully modulating burner, and exceptional temperature stability. The RTG-199HE achieves a 0.95 Energy Factor.

- ENERGY STAR® qualified 0.95 Energy Factor
- Built-in digital control
- Flexible venting
- Gas connection – ½", ¾" or 1"
- Built-In freeze protection
- Indoor/outdoor installation
- Optional cascading kit – up to 24 units
- Natural Gas or Propane



### Infiniti Mid Efficiency Tankless Gas Model

The Mid Efficiency Bradford White Infiniti Tankless™ Water Heater with SRT™ (Scale Reduction Technology) is a non-condensing model with an input of 199,000 BTU/Hr., a single modulating burner for an even flame, and an all-copper heat exchanger and waterways.

- Built-in digital control
- Gas connection – ½", ¾" or 1"
- Built-in freeze protection
- Indoor/outdoor installation
- Optional cascading kit – up to 24 units
- Natural Gas or Propane



### Kwickshot® Instantaneous Electric Models

These tankless water heaters are available in a variety of configurations and output levels. They supply hot water wherever and whenever you need it. Both "point-of-use" and "whole-home" models available.

- On demand hot water
- Flow switch activates heater on demand (no standby heat loss)
- 99% efficient
- Integral Flow Restrictor built-in to ensure proper temperature rise
- Easily mounts to wall and requires no sweat connection

## COIL HEAT EXCHANGER PRODUCTS



### Combination Space Heating and Water Heating Models

Bradford White Combi products offer the dual performance of both domestic hot water and space heating in one system. Our Combi1™ (single wall) and Combi2™ (double wall) models feature a 1 ½" O.D. glass-coated (Vitraglas®) carbon steel heat exchange coil positioned in the tank for maximum heat transfer performance. The low restriction coil minimizes pressure drop.

#### Available Models:

- Defender Safety System® Combi1™ Atmospheric Vent Models
- Combi1™ Atmospheric Vent Models
- Defender Safety System® Combi2™ Atmospheric Vent Models
- Combi2™ Atmospheric Vent Models
- Defender Safety System® and Non-Defender Combi1™ TTW® Power Vent Models
- Defender Safety System® and Non-Defender Combi2™ TTW® Power Vent Models



### PowerStor Series® Indirect Water Heaters

Bradford White PowerStor Series® Indirect water heaters offer outstanding performance, high output, superior heat transfer, and fast recovery. PowerStor Series® single wall and PowerStor2® double wall indirect water heaters feature our 1 ½" O.D. glass-coated (Vitraglas®) carbon steel heat exchange coils. PowerStor Series® SS models feature a 444 stainless steel alloy tank and heat exchange coil. All PowerStor models offer high thermal conductivity and hot water output. All models feature front boiler connections for ease of installation.

#### Available Models:

- PowerStor Series® Single Wall Models
- PowerStor2® Double Wall Models
- PowerStor Series® SS Models



### Solar Water Heaters

Energy-saving Bradford White solar water heaters are available in many configurations. Most models feature Bradford White's patented Vitraglas® coated heat exchange coil for superior heat transfer.

#### Available Models:

- EcoStor™ SC Single Wall Single Coil Electric Backup Models
- EcoStor2™ SC Double Wall Single Coil Electric Backup Models
- EcoStor™ DC Dual Coil Heat Exchanger Backup Models
- EcoStor2™ SC Double Wall Single Coil Gas Backup Models
- EcoStor2™ SC Double Wall Single Coil Power Vent Gas Backup Models
- EcoStor2™ SC Double Wall Single Coil Eco-Defender Gas Backup Models
- Solar Saver Models\*
- EcoStor™ Open Loop Solar System Atmospheric and Power Vent Gas Backup Models\*

\* Does not feature heat exchange coil.



Bradford White is the choice of professional installers everywhere because of the high quality, rugged durability, and unique features built into every water heater we manufacture. The ongoing development of innovative technologies gives Bradford White products, and you, the professional installer, a strong competitive advantage.

**Hydrojet® Total Performance System—Technology that Works!**

The Hydrojet® Total Performance System thoroughly mixes incoming and stored water to reduce costly sediment buildup, minimize temperature differences (thermal stratification), and increase first hour delivery.



**Vitraglas® Tested – Tough Tank Protection**

Vitraglas® is an exclusive enamel coating that provides unsurpassed protection against tank failure. Testing has proven that the unique formulation of Vitraglas® is superior to other enamel linings.



**Bradford White ICON System™ Intelligent Gas Control**

A revolutionary advance in water heater control technology, the ICON System™ offers numerous energy, money, and time-saving benefits to homeowners and professional installers.



**The Defender Safety System® Unsurpassed in Design and Trouble-Free Operation**

A proven combustion technology that resists the ignition of flammable vapors outside the water heater using patented “ScreenLok®” flame arrestor design. The Defender Safety System® provides outstanding efficiency and a long service life.



**3" x 4" Draft Diverter** allows the installer venting flexibility

**Eco-Defender Safety System®** for Ultra Low NOx FVIR compliance

**User-friendly Junction Box** for easier wiring connections

**24/7 Expert Service and Warranty support**, 24 hours a day, 7 days a week

**Silent Heat Traps** quietly saving energy and money

**We support American jobs and manufacture** in Middleville, MI, USA

**Built to be the Best™**