



BRADFORD WHITE®

W A T E R H E A T E R S

Built to be the Best®

COMMERCIAL

WATER HEATERS AND STORAGE TANKS

2023 POCKET CATALOG

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General Information About the Products in this Catalog

1. All Gas Water Heaters are design certified by CSA Group in accordance with ANSI Z21.10.1 or 10.3 (latest addition). Closed Combustion Manufactured Home Water Heaters, are listed by Underwriter UL Solutions.
2. All Electric Water Heaters are listed by UL Solutions.
3. All Residential Storage Models meet or exceed efficiency requirements of the Department of Energy. ASHRAE standard 90.1b (current standard) and the National Appliance Energy Conservation Act of 1987, recent amendment effective April 16, 2015 which supercedes all state and local efficiency requirements.
4. All Tank Type Water Heaters are certified at 300 PSI test pressure and 150 PSI working pressure (except where noted).
5. All Residential Water Connections are 3/4" NPT on 8" centers (except where noted).
6. All Residential Gas Models have 1/2" NPT Gas Connections (except where noted).
7. All Residential Water Heaters come with a T&P Relief Valve included (except where noted).
8. MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 7,559,293; 7,900,589; 7,007,748; 7,063,132; 7,337,517; 7,665,211; 7,665,210; 7,699,026; 6,935,280; 7,634,976; 7,270,087; 7,621,238; 7,334,419; 7,866,168; 7,063,133; 8,082,888; 7,971,560; 7,992,526; 8,146,772; 9,429,337; 10,866,010; 10,503,183; 9,574,792; 11,499,746; 11,457,513; 7,007,316; 7,243,381; 8,787,742; 9,964,241; 8,851,022; D636,857; 8,931,438; 10,495,343; 10,094,619; 11,175,070. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,430,807; 2,476,685; 2,504,824; 2,583,609; 2,491,181; 2,677,549; 2,583,108; 2,659,534; 2,949,830; 2,784,312.
9. All dimensions are in inches (unless otherwise noted). Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.
10. Bradford White is an American company with its manufacturing facilities located in the United States of America. Products made by Bradford White are manufactured in the United States using the finest raw materials and components from around the world to deliver the highest quality and value to our customers. Bradford White is American Strong™.



Air-Conditioning, Heating,
and Refrigeration Institute



American Society
of Mechanical Engineers
Heating Boilers



American Society of
Mechanical Engineers Lined
Potable Water Heaters



Compliance, Safety,
Accountability





BRADFORD WHITE
ICON
System™

DEFENDER
SAFETY SYSTEM™

VITRAGLAS
SUPERIOR PROTECTION SINCE 1981



PROTECTION THAT LIVES ON
MICROBAN

Hydrojet

- Bradford White ICON System®
- Defender Safety System®—featuring the patented advanced ScreenLok® technology
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway fittings
- Hand hole cleanout
- Protective anode rod
- 4" "Snap Lock" draft diverter
- T&P relief valve
- Low restrictive brass drain valve



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PROTECTION THAT LIVES ON
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Hydrojet

- Bradford White ICON System®
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Vertical, dual-pass heat exchanger system
- Self-priming condensate tee
- Power vent
- Horizontal and vertical venting
- Pedestal base
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway with heat traps
- Two protective anode rods
- T&P relief valve
- Low restrictive brass drain valve



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- Bradford White ICON System®
- Defender Safety System®—featuring the patented advanced ScreenLok® Technology flame arrestor design (except models above 75,000 BTU/Hr.)
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- High efficiency blower—10 ft. power cord included (120 VAC)
- Horizontal and vertical venting
- High altitude ready
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway fittings
- Heat traps (except LG1PV55)
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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Hydrojet

- Bradford White ICON System®
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Vertical, dual-pass heat exchanger system
- Closed combustion venting system
- Cast aluminum air intake boot
- Optional concentric vent kit termination
- Horizontal and vertical venting
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway with heat traps
- Two protective anode rods
- T&P relief valve
- Low restrictive brass drain valve



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- Bradford White ICON System®
- Defender Safety System®—featuring the patented advanced ScreenLok® technology
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Closed combustion venting system
- Cast aluminum air intake boot
- Optional concentric vent kit termination
- Horizontal and vertical venting
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway with heat traps
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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PROTECTION THAT LIVES ON
MICROBAN[®]

Hydrojet[®]

- Bradford White ICON System[®]
- Defender Safety System[®]—featuring the patented advanced ScreenLok[®] technology
- Vitraglas[®] tank lining with Microban[®]
- Hydrojet[®] Total Performance System
- Closed combustion
- Sight window
- Cast aluminum air intake boot
- Solid and flexible vent kits
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway with heat traps
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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BRADFORD WHITE
ECO-MAGNUM
SERIES

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MICROBAN

Hydrojet

- Bradford White ICON System®
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Ultra Low NOx burner with primary and secondary air distribution devices
- ULG250H553N complies with the latest Ultra Low NOx requirement (10 ng/J NOx limit), ULG275H763N / ULG2100H853N (14 ng/J NOx limit)
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway with heat traps
- 4" "Snap Lock" draft diverter
- Hand hole cleanout
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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PROTECTION THAT LIVES ON
MICROBAN®

Hydrojet®

- Bradford White ICON System®
- Eco-Defender Safety System®
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Cast aluminum air intake boot
- Ultra Low NOx burner with primary and secondary air distribution devices
- Complies with the latest Ultra Low NOx requirement (10 ng/J NOx limit)
- Closed combustion
- Telescoping solid and flexible vent kits
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway with heat traps
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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Commercial Gas

Light-Duty Ultra Low NOx Power Vent (TTW®)



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PROTECTION THAT LIVES ON
MICROBAN

Hydrojet

- Bradford White ICON System®
- Eco-Defender Safety System®
(except models above 75,000 BTU/Hr.)
- Powerful blower motor
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- All models comply with the latest Ultra Low NOx requirement (10 ng/J NOx limit) except ULG2PV75H763N (14 ng/J NOx limit)
- High efficiency blower—10 ft. power cord included (120 VAC)
- Horizontal and vertical venting
- High altitude ready
- Non-CFC foam insulation
- 3/4" NPT side connections—some models
- Water connections—NPT factory installed dielectric waterway with heat traps
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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PROTECTION THAT LIVES ON
MICROBAN[®]

Hydrojet[®]

- Bradford White ICON System[®]
- Eco-Defender Safety System[®]
- Vitraglas[®] tank lining with Microban[®]
- Hydrojet[®] Total Performance System
- Ultra Low NOx burner with primary and secondary air distribution devices
- Complies with the latest Ultra Low NOx requirement (10 ng/J NOx limit)
- Closed combustion venting system
- Cast aluminum air intake boot
- Horizontal and vertical venting and high altitude ready
- Non-CFC foam insulation
- 3/4" NPT side connections
- Water connections—NPT factory installed dielectric waterway with heat traps
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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THE BRADFORD WHITE
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COMMERCIAL CONTROL SYSTEM

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PROTECTION THAT LIVES ON
MICROBAN

Hydrojet

- Bradford White ICON HD®
- BMS integration
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Optional air intake ducting
- Premix power burner
- Direct spark ignition
- Two pass fire tube heat exchanger system
- Sanitizing capability
- Ultra Low NOx construction (14 ng/J NOx emissions)
- Non-CFC foam insulation
- Water connections
- 1" NPT side connections
- Zero inch clearance to combustibles
- Hand hole cleanout
- T&P relief valve
- Low restrictive brass drain valve



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LLC - Low
Lead Content



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PROTECTION THAT LIVES ON
MICROBAN

Hydrojet

- Bradford White ICON HD®
- Electronic ignition
- Automatic flue damper
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Low NOx construction available
- Sanitizing capability
- ASME code available on all models above 200,000 BTU/Hr.
- NSF construction available
- North Carolina code compliant
- Non-CFC foam insulation
- Water connections—NPT factory installed dielectric waterway fittings
- Protective anode rods
- Hand hole cleanout
- T&P relief valve
- Low restrictive brass drain valve



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PROTECTION THAT LIVES ON
MICROBAN

Hydrojet

- Bradford White ICON HD[®]
- Electronic ignition
- Vitraglas[®] tank lining with Microban[®]
- Hydrojet[®] Total Performance System
- Automatic re-set E.C.O.
- Sanitizing capability
- ASME construction available
- NSF construction available
- Non-CFC foam insulation
- Water connections—1½" NPT front factory installed dielectric fittings
- Protective anode rods
- Hand hole cleanout
- T&P relief valve
- Low restrictive brass drain valve



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- No electricity required
- Continuous pilot-ignition
- Piezo igniter
- Millivolt controls
- Automatic flue damper
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Automatic re-set E.C.O.
- NSF construction available
- Non-CFC foam insulation
- Water connections—NPT factory installed dielectric fittings
- Protective anode rods
- Hand hole cleanout
- T&P relief valve
- Low restrictive brass drain valve



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Commercial Gas

eF Series® Ultra High Efficiency EF-60T through EF-100T



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PROTECTION THAT LIVES ON
MICROBAN

Hydrojet



- ENERGY STAR® Qualified—some models
- Certified Green Product™ by the Green Restaurant Association
- Bradford White ICON HD®
- BMS integration
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Down-fired premix power burner
- Three pass fire tube heat exchanger system
- Venting versatility
- ASME construction available
- NSF construction available
- Zero inch clearance to combustibles
- Non-CFC foam insulation
- Two protective powered anode rods
- Hand hole cleanout
- T&P relief valve
- Low restrictive brass drain valve



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PROTECTION THAT LIVES ON
MICROBAN

Hydrojet



- ENERGY STAR® Qualified
- Bradford White ICON HD®
- BMS integration
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Modulating down-fired premix power burner
- Direct spark ignition
- Three pass fire tube heat exchanger system
- Venting versatility
- ASME construction available
- Zero inch clearance to combustibles
- Non-CFC foam insulation
- 1" NPT side connections for space heating
- Two protective powered anode rods
- Hand hole cleanout
- T&P relief valve
- Low restrictive brass drain valve



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- ENERGY STAR® Qualified
- Certified Green Product™ by the Green Restaurant Association
- Residential and commercial application
- Stainless steel heat exchanger
- Cascade up to 16 units
- Common venting up to 8 units
- Temperature setting—95°F to 180°F
- Free standing rack system
- Indoor and outdoor installation (requires outdoor installation kit)
- Bottom water connections
- Gas connection flexibility—1/2", 3/4", or 1"
- Air filter and inlet water filter—mounted outside of cabinet



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- ENERGY STAR® Qualified
- Certified Green Product™ by the Green Restaurant Association
- Residential and commercial application
- Stainless steel heat exchanger
- Cascade up to 2 units
- Common venting
- Temperature setting—95°F to 140°F
- Free standing rack system
- Built-in recirculation pump and dedicated recirculation connection
- Flexible vent kit
- Indoor and outdoor installation (requires outdoor installation kit)
- Bottom water connections
- Gas connection flexibility—1/2", 3/4", or 1"
- Air filter and inlet water filter—mounted outside of cabinet



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Specify voltage and wattage when ordering.

All models are UL® listed. All water connections are 3/4" NPT (SLE2120T and LE2120T have 1" NPT). All electrical connections are 3/4". All models are certified at 300 psi test pressure and 150 psi working pressure. All models come equipped with two installed heat traps (except SLE2120T, LE2120T, LE120L, and Utility models). All models include an installed T&P Relief Valve.

Note: All **Large Volume (Light Service)** models will be wired 277 Volt with two 6100 watt elements, single phase simultaneous operation. All ElectriFLEX LD™ **Upright** and **Lowboy** models 20 gallons through 55 gallons will be wired 240 Volt with two 4500 watt elements, 3 phase non-simultaneous operation (except 277 volt; 277 volt is only available in single phase operation). Other wattages and voltages are available. These models are field convertible to single phase and simultaneous operation. All models have a maximum total wattage of 3000 watts at 120 Volt. INCOLOY® elements available for most inputs. Upright models 65 gallons through 119 gallons will be wired 240 Volt with two 6100W elements, 3 phase simultaneous operation.

Note: All ElectriFLEX LD™ **Utility Models** will be wired 120 Volt with a 1500 watt element as single phase operation. 3 phase wiring not available on Utility models (Single Element Units). Other wattages and voltages are available. Maximum wattage for 6 and 12 gallon tall utility models is 3000W. Maximum wattage for 10, 15, and 20 gallon utility models is 6000W. All models have a maximum wattage of 3000 watts at 120 Volt. INCOLOY® elements available for most inputs.

Incoloy Element Availability Chart

Watts	120V	208V	240V	277V	480V
1500	yes	yes	yes	no	no
2000	no	yes	yes	yes	yes
2500	no	yes	yes	no	no
3000	no	yes	yes	yes	yes
3500	no	yes	yes	no	no
4000	no	yes	yes	yes	yes
4500	no	yes	yes	yes	yes
5000	no	yes	yes	yes	yes
5500	no	yes	yes	yes	yes
6000	no	yes	yes	yes	yes

NOTE: WHEN ORDERING WATER HEATERS SPECIFY VOLTAGE AND kW INPUT ONLY. THE FOLLOWING TABLES ARE FOR INFORMATIONAL PURPOSES ONLY.
Phase and Operation are determined by the voltage.

Phase	1	Single Phase	Operation	N	Non-Simultaneous
	3	Three Phase		S	Simultaneous

EX: LE250S3-3NCWW

EX: LE250S3-3NCWW

Designator	A	C	E	H	J	L*
Voltage	120	208/240	277	480	600	208

EX: LE250S3-3NCWW

* Use "L" voltage designator if wiring 208V with 4500W or 5000W.

For 120V, 277V, 480V, and 600V operation

Designator	J	K	L	M	N	P	R	S	T	W	X	Y	Z
Wattage	1000	1250	1500	2000	2500	3000	3500	3800	4000	4500	5000	5500	6000

EX: LE250S3-3NCWW

For 240V and 208V operation (Dual rated elements show a value for both 240V and 208V)

Designator	J	K	L	M	N	P	R	S	T	W	X	Y	Z	X**	Y**	Z**
240V Wattage	1000	1250	1500	2000	2500	3000	3500	3800	4000	4500	5000	5500	6000	—	—	—
208V Wattage	—	—	1000	1500	2000	—	2500	—	3000	3500	—	4000	4500	5000	5500	6000

EX: LE250S3-3NCWW, will give 240V with 4500W/4500W. This same heater can also be energized at 208V with reduced wattage of 3500W/3500W.

** Use "L" voltage designator if wiring 208V with 4500W or 5000W.

Wattage Limitations for Non-Simultaneous and Simultaneous Operation	Voltage				
	120V	208V	240V	277V	480V
1500W / 1500W	yes	yes	yes	yes	yes
2000W / 2000W	no	yes	yes	yes	yes
2500W / 2500W	no	yes	yes	yes	yes
3000W / 3000W	no	yes	yes	yes	yes
3500W / 3500W	no	yes	yes	no	no
4000W / 4000W	no	yes	yes	yes	yes
4500W / 4500W	no	yes	yes	yes	yes
5000W / 5000W	no	yes	yes	yes	yes
5500W / 5500W	no	yes	yes	no	no
6000W / 6000W	no	no	yes	yes	yes



- Fully automatic controls
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Wired at 277V, single phase, 12.2kW (6100W/6100W simultaneous operation only)
- Direct heat transfer with immersed elements
- Steel tank
- NSF 5 kits available
- Non-CFC foam insulation
- Water connections—NPT factory installed dielectric waterway with heat traps (1" NPT for SLE2120T)
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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- Fully automatic controls
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Voltages available—120V, 208V, 240V, 277V, 480V
- Direct heat transfer with immersed elements
- Steel tank
- Field convertible
- Non-CFC foam insulation
- Water connections—NPT factory installed dielectric waterway with heat traps (1" NPT for LE2120T)
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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- Fully automatic controls
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Simultaneous and non-simultaneous operation available
- Voltages available—120V, 208V, 240V, 277V, 480V
- Direct heat transfer with immersed elements
- Non-CFC foam insulation
- Field convertible
- Steel tank
- Water connections—NPT factory installed dielectric waterway with heat traps
- Protective anode rod
- T&P relief valve—all models available with optional top T&P location (plugged)
- Low restrictive brass drain valve



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- Fully automatic controls
- Vitraglas® tank lining with Microban®
- Voltages available—120V, 208V, 240V, 277V, 480V
- Single phase operation only
- Direct heat transfer with immersed elements
- Steel tank
- Non-CFC foam insulation
- Water connections—NPT factory installed dielectric waterway fittings
- Alternate top water connections
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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- Fully automatic controls (180°F maximum)
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Direct heat transfer with three immersed elements
- Field Conversion kits available
- NSF Construction kits available
- Non-CFC foam insulation
- Water connections— 1 1/4" NPT factory installed dielectric waterway with heat traps
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve supplied



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- Immersion type thermostat for accurate temperature control from positive off up to 180°F
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Direct heat transfer with three immersed elements
- Field conversion kits available
- Completely pre-wired with pressure lug terminal
- Internal fusing—standard on all models
- ASME and NSF construction kits available
- Non-CFC foam insulation
- Water connections—1½" NPT factory installed dielectric waterway fittings
- Hand hole cleanout opening
- Two protective anode rods
- T&P relief valve
- Low restrictive brass drain valve



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- Immersion type thermostat with contactors for accurate temperature control from positive off up to 180°F
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- ASME code construction
- Elements—screw in style
- Completely pre-wired with pressure lug terminal
- NSF construction available
- Low water cut-off switch available
- Safety door interlock available
- Non-CFC foam insulation
- Hand hole cleanout opening (20 thru 120 gallon models only)
- Protective anode rod
- T&P relief valve
- Low restrictive brass drain valve



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- 150 PSI ASME code tank
- Lifting lug access
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- ASME temperature and pressure relief valve
- INCOLOY® heating elements
- Internal fusing
- Galvanized steel jacket
- Immersion thermostat
- Digital temperature display
- Tube bundle(s) available
- Low water cut-off switch available
- Epoxy lining available
- Safety door interlock available
- BMS relay available
- Hand hole cleanout
- Protective anode rods



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Commercial Electric GPH Recovery Table for kW Input

kW Input	Gallon Per Hour Recovery Capacities				
	40°F	60°F	90°F	100°F	140°F
1	10.3	6.9	4.6	4.1	2.9
1.5	15.5	10.3	6.9	6.2	4.4
2	20.7	13.8	9.2	8.3	5.9
2.5	25.8	17.2	11.5	10.3	7.4
3	31.1	20.7	13.8	12.4	8.9
3.5	36.2	24.1	16.1	14.5	10.3
4	41.4	27.6	18.4	16.5	11.8
4.5	46.5	31.1	20.7	18.6	13.3
5	51.7	34.5	23.1	20.7	14.7
5.5	56.9	37.9	25.3	22.7	16.2
6	62.1	41.4	27.6	24.8	17.7
9	93.1	62.1	41.4	37.2	26.5
12	124	83	55	50	35
13.5	140	93	62	56	40
15	155	103	69	62	44
18	186	124	83	74	53
24	248	165	110	99	71
27	279	186	124	112	80

Commercial Electric GPH Recovery Table for kW Input

kW Input	Gallon Per Hour Recovery Capacities				
	40°F	60°F	90°F	100°F	140°F
30	310	207	138	124	89
36	372	248	165	149	106
45	465	310	207	186	133
54	558	372	248	223	160
81	838	558	372	335	239
144	1489	993	662	596	425
162	1675	1117	744	670	479
180	1861	1241	827	744	532
225	2326	1550	1033	931	665
270	2792	1861	1241	1117	798
360	3722	2482	1654	1489	1063
396	4094	2730	1820	1638	1170
450	4653	3102	2068	1861	1329
540	5583	3722	2482	2233	1595
630	6514	4343	2895	2606	1861
720	7444	4963	3309	2978	2127
900	9306	6204	4136	3722	2659



Single Point Flow Controlled, Non-Thermostatic Models (Single Phase Only)

- On demand hot water—no delay
- Continuous hot water—no storage capacity to run out
- Self-diagnostics with intelligent controls
- LED indicator
- Low flow activation—starting at .25 GPM (model dependent)
- Dry-fire protection—engages upon start-up
- Flexible installation
- Compact size
- Easy installation
- No T&P relief valve needed
- Integral 3/8" compression fittings
- Control system—activates heater only on demand
- Bare wire technology
- Automatic high temperature limit reset—enables safe operation (USA models only)



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NO LEAD*
*The wetted surface of
this product contacted
by water contains less
than 0.25% lead and
meets NSF/ANSI 372



Thermostatic Models (Single Phase Only)

- Self-diagnostics with intelligent controls
- Digital LED display—with accessible user interface
- Dry-fire protection—engages upon start-up
- Flexible installation
- Compact size
- Easy installation
- Industry's lowest activation—with 0.2 GPM turn on flow
- Silent operation on all models—except TET115V240
- No T&P relief valve needed
- Integral 3/8" compression fittings
- Control system—activates heater only on demand
- Active energy management with power modulation—allows for thermostatic accuracy
- High temperature limit switch—enables safe operation



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Commercial Indirect

PowerStor Series® Single-Wall Indirect



- Heat exchanger—single-wall 1½" O.D. enamel coated (Vitraglas®) steel coil
- Vitraglas® tank lining with Microban®
- Hydrojet® Total Performance System
- Immersion type aquastat—accurate temperature control
- 1" NPT connection for boiler supply and return
- Water connections— 1" NPT factory installed dielectric waterway fittings
- Non-CFC foam insulation
- Standby heat loss is less than 1/2°F per hour (ASHRAE 90.1b latest edition)
- Three protective anode rods
- T&P relief valve
- Low restrictive brass drain valve



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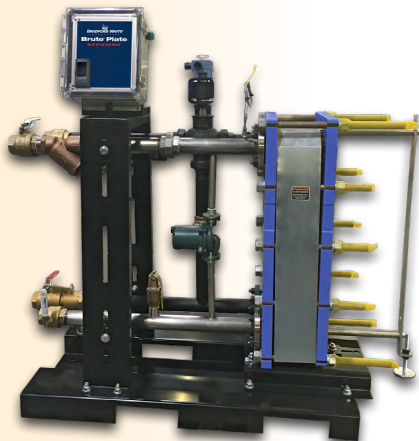


- Stainless steel heat exchanger—single-wall
1" O.D. stainless steel coil
- Stainless steel tank and heat exchanger—made from Chromium Molybdenum
- Immersed Adjustable Aquastat
- Non-CFC foam insulation
- Potable water connections—3/4" NPT (1" NPT on SS-120-L)
- Supply and return connections—1" NPT connections on the front for both the boiler supply and return
- T&P relief valve
- Low restrictive brass drain valve
(excluding the SS-120-L)



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- ASME Section VIII stamped
- Rated in accordance with ANSI/AHRI Standard 400
- PID controller
- RS485 Modbus and BACnet data port
- Compatible with BAS/BMS
- Audible over-temp alarm
- Completely skid-mounted and wired
- Double-wall 316 stainless steel heat exchanger
- 3-way control valve
- 150 PSI temperature & pressure relief valve
- Backflush connections
- Isolation valves
- Temperature gauge
- Drain valve
- Inlet strainers
- Compatible with condensing and non-condensing boilers



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- Applications—designed for use with boilers, hot water circulation systems and large dump volume applications
- ASME construction available—M-3-ST200R5A comes standard with ASME construction
- Steel tank construction
- Non-CFC foam insulation
- Vitraglas® tank lining with Microban®
- Water connections—2" or 2½" NPT (depending on model)
- Rear water connection—2" NPT
- Hand hole cleanout (optional for M-3-ST-120R5)
- Two protective anode rods
- Hydrojet HC®—stainless steel, dielectrically isolated recirculation tube available
- Designed for storage of potable water up to 180°F
- T&P relief valve opening (T&P not supplied)
- Low restrictive brass drain valve



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- Vertical or horizontal construction
- Passivated 316L (10-year warranty) & duplex stainless steel (25-year warranty)
- ASME construction for 125 PSI. 150 PSI available as an option
- Steel jacket—sturdy heavy gauge painted steel jacket
- 2" (R-value of 12.5) high density foam insulation
- Water connections—two female NPT fittings are located on the front (additional size fittings are available)
- Fully customizable—custom tank gallon capacities and tapping sizes/locations
- No anode rods
- Hydrojet HC[®]—stainless steel, dielectrically isolated recirculation tube available
- Designed for storage of potable water up to 180°F



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- Vertical or horizontal construction
- Passivated 316L (10-year warranty) & duplex stainless steel (25-year warranty)
- ASME construction for 125 PSI. 150 PSI available as an option
- Bare storage tank—stainless steel tank options include factory finish, uniform finish, and polished finish
- Water connections—two female NPT fittings are located on the front (additional size fittings are available)
- Fully customizable—custom tank gallon capacities and tapping sizes/locations
- No anode rods
- Hydrojet HC[®]—stainless steel, dielectrically isolated recirculation tube available
- Designed for storage of potable water up to 180°F
- Lifting lugs



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- Vertical or horizontal construction
- Passivated 316L (10-year warranty) & duplex stainless steel (25-year warranty)
- ASME construction for 125 PSI. 150 PSI available as an option
- Sprayed-on rigid insulation top coat—2¼" (R-value of 16) of high density polyurethane foam is encapsulated with a 100% acrylic top coat
- Water connections—two female NPT fittings are located on the front (additional size fittings are available)
- Fully customizable—custom tank gallon capacities and tapping sizes/locations
- No anode rods
- Hydrojet HC®—stainless steel, dielectrically isolated recirculation tube available
- Designed for storage of potable water up to 180°F
- Lifting lugs



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- Vertical or horizontal construction
- ASME construction for 125 PSI. 150 PSI available as an option
- Steel jacket—sturdy heavy gauge painted steel jacket
- 2" (R-value of 12.5) high density foam insulation
- Vitraglas® tank lining with Microban®
- Water connections—two female NPT fittings are located on the front (additional size fittings are available)
- Fully customizable—custom tank gallon capacities and tapping sizes/locations
- Protective anode rods
- Hydrojet HC®—stainless steel, dielectrically isolated recirculation tube available
- Designed for storage of potable water up to 180°F



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- Vertical or horizontal construction
- ASME construction for 125 PSI. 150 PSI available as an option
- Bare storage tank—heavy gauge steel primed with a red oxide color
- Vitraglas® tank lining with Microban®
- Water connections—two female NPT fittings are located on the front (additional size fittings are available)
- Fully customizable—custom tank gallon capacities and tapping sizes/locations
- Protective anode rods
- Hydrojet HC®—stainless steel, dielectrically isolated recirculation tube available
- Designed for storage of potable water up to 180°F
- Lifting lugs



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Warranty Information

	Limited Tank Warranty	Limited Parts Warranty		Limited Tank Warranty	Limited Parts Warranty
Commercial Gas Models					
Light Duty Commercial High Performance Models	3 Year	1 Year	Commercial Electric Vertical Round (VR) Models	3 Year	1 Year
Light Duty Commercial (TTW®) High Performance Models	3 Year	1 Year	KwickShot® Tankless Electric Models	5 Year†	1 Year
Light Duty Commercial Upright Models	3 Year	1 Year	Commercial Indirect-Fired Models		
Light Duty Commercial Power Vent Models	3 Year	1 Year	Commercial PowerStor® Models	5 Year	1 Year
Light Duty Commercial eF Series® Power Direct Vent Models	3 Year	1 Year	Commercial Large Volume Storage Tank Models		
Light Duty Commercial Power Direct Vent Models	3 Year	1 Year	(Bare, Jacketed, and Top Coat models)	5 Year	1 Year
Light Duty Commercial Direct Vent Models	3 Year	1 Year	Commercial Double Vitraglas®- lined Large Volume		
Light Duty Commercial Ultra Low NOx Models	3 Year	1 Year	Storage Tank Models		
Commercial Flue Damper Models	3 Year	1 Year	(Bare, Jacketed, and Top Coat models)	10 Year	1 Year
Commercial Induced Draft Models	3 Year	1 Year	Commercial 316L Passivated Duplex Stainless Steel		
Commercial Millivolt Models	3 Year	1 Year	Large Volume Storage Tank Models		
Commercial eF Series® Ultra High Efficiency Models	3 Year	1 Year	(Bare, Jacketed, and Top Coat models)	10 Year	1 Year
Commercial Ultra Low NOx Models	3 Year	1 Year	Commercial 2205 Passivated Duplex Stainless Steel		
Infiniti® GS & GR Tankless Models	8 Year*	5 Year	Large Volume Storage Tank Models		
Commercial Electric Models			(Bare, Jacketed, and Top Coat models)	25 Year	1 Year
Large Volume (Light Service) Upright models	6 Year	1 Year			
Light Duty Commercial Upright, Lowboy Models	3 Year	1 Year			
Light Duty Commercial Utility Models	3 Year	1 Year			
Commercial Medium Duty Models	3 Year	1 Year			
Commercial Surface Mount, Immersion Models	3 Year	1 Year			
Commercial ASME Models	3 year	1 Year			

* Heat Exchanger Only.

† Heater Body Element Assembly.

Some states do not allow limitations on warranties. See copy of the Warranty included with the heater.

Tank Type Serial Number Identification

K = 1993	S = 1998	Z = 2003	E = 2008	K = 2013	S = 2018	Z = 2023
L = 1994	T = 1999	A = 2004	F = 2009	L = 2014	T = 2019	A = 2024
M = 1995	W = 2000	B = 2005	G = 2010	M = 2015	W = 2020	B = 2025
N = 1996	X = 2001	C = 2006	H = 2011	N = 2016	X = 2021	C = 2026
P = 1997	Y = 2002	D = 2007	J = 2012	P = 2017	Y = 2022	D = 2027

Bradford White uses a 20-year letter designation rotation in serial numbers. Therefore, please be aware that water heaters manufactured 20 years apart will have the same serial number “letter year” designation. (i.e. A = 2004 and 1984).

SECOND LETTER - MONTH OF MANUFACTURE

A = JANUARY	E = MAY	J = SEPTEMBER
B = FEBRUARY	F = JUNE	K = OCTOBER
C = MARCH	G = JULY	L = NOVEMBER
D = APRIL	H = AUGUST	M = DECEMBER

Example:

FC12345678 = MARCH, 2009 Production

NA12345678 = JANUARY, 1996 Production

NOTES

What American Strong means to Bradford White.

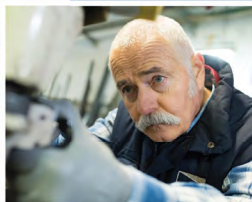
American Pride has always been in everything we do. Bradford White began over 140 years ago with a simple vision, to deliver high quality, superior products made by American craftspeople.

We are committed to American manufacturing. We are an American-owned company, with all our manufacturing facilities located in the United States. Bradford White proudly employs over 2,000 people at our American facilities.

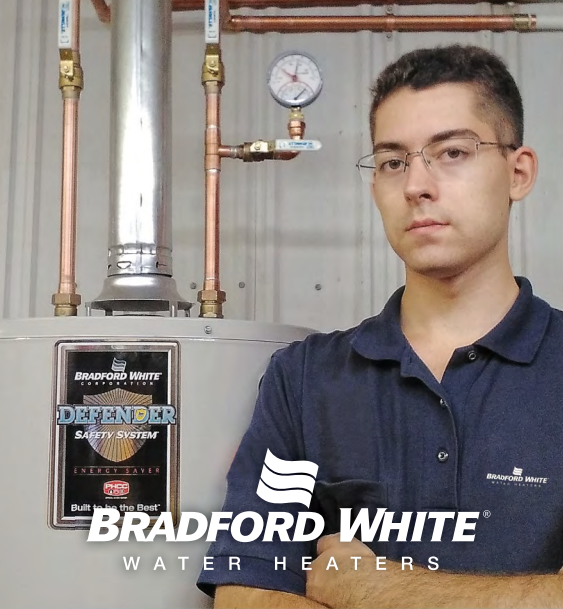
We proudly support the professional. At Bradford White, we focus on the professional. Our quality product deserves a quality installation.

American Strong...around the world. Bradford White products are available to professionals around the world. For example, our Halton Hills, ON sales, training and distribution center provides full support to our Canadian customers.

Built to be the Best®. Bradford White proudly brings American ingenuity and quality to customers around the world. By combining American Strong manufacturing with select components and products sourced from top international partners, the result is all Bradford White products are Built to be the Best® - now and in the future.



Products made by Bradford White are manufactured in the United States using the finest raw materials and components from around the world.



- SALES DEPARTMENT

For questions regarding where to purchase water heaters or who your local Bradford White representative is: **Phone: 800-523-2931**

- 24/7 TECHNICAL SUPPORT

For questions during and after installation, including sequence of operation, diagnosis, and repair assistance: **Phone: 800-334-3393 | Email: techserv@bradfordwhite.com**

- PRODUCT SUPPORT

Pre-Installation support such as product sizing, performance, application, and clarification questions: **Phone: 844-235-4958 | Email: products@bradfordwhite.com**

- 24/7 WARRANTY SUPPORT

For questions regarding tank and/or parts warranty and limitations on warranties: **Phone: 800-531-2111 | Email: warranty@bradfordwhite.com**

Committed to Professional Installation.

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CPC-0523

To see Bradford White's complete line of products visit: **www.bradfordwhite.com**