

Commercial Boilers and Domestic Water Heaters

FUTERA^{XL}

**FUTERA^{XL}
FUSION**

**Infinite
ENERGY₂**

**FUTERA^{XL}
FUSION**

**FUTERA^{XL}
SERIES**

HeatNet[®]

**8800
SERIES**

**8900
SERIES**

**DOMINATOR^{XL}
SERIES**

**SPECTRUM^{XL}
SERIES**

STORAGE TANKS

RBI[®]



Your Number One Source

for any domestic hot water or hydronic space heating application

RBI offers the most complete line of finned copper tube boilers and water heaters available today. Models are available to fit any commercial application, from atmospheric to fan-assisted sealed combustion in a wide 100 MBH to 4,000 MBH capacity range.

Quality Manufacturing

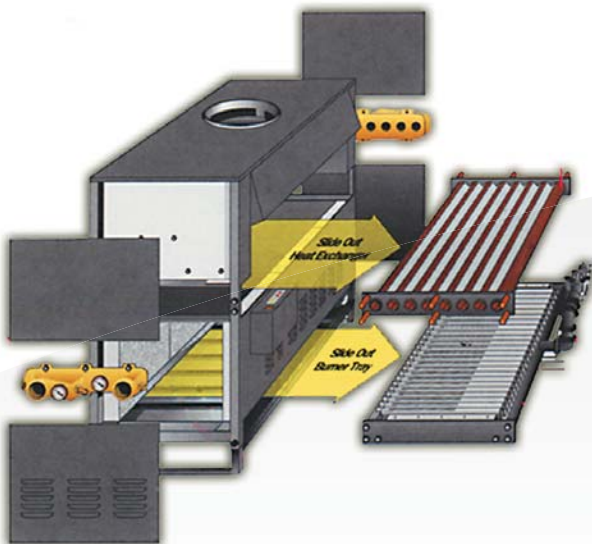
RBI's boilers and water heaters are manufactured in a state-of-the-art ISO9001:2008 approved facility insuring premium performance with the highest quality.

Our "higher standards" in design and manufacturing do not translate into "higher costs". RBI water heaters are among the most competitively priced units on the market and offer years of worry-free operation.

Smart Service Design

Unique to RBI are the built-in serviceability features that make our products easier to install, start-up, service and maintain. Features such as slide out heat exchangers and burner trays help reduce time-consuming service calls.

Our small footprint, high efficiency boilers ship fully packaged so no time is wasted at job sites assembling the equipment. Through 4,000 MBH, RBI boilers can simply be wheeled into mechanical rooms through standard 30" doors. The end result is significant savings on installation time and cost.



Training and Support Second to None

RBI is at the forefront of hydronic heating systems with dynamic hands on training centers located in Westfield, Massachusetts and Mississauga, Ontario. These centers integrate classroom training and interactive learning opportunities, giving heating professionals the opportunity to learn by doing and improve their knowledge of products, installation, and service. RBI also provides responsive technical support for our products. Boiler and water heater system customers receive free application assistance from our Technical Resources Department. Engineers and contractors are provided with piping and electrical drawings for system specification, set-up, and service — customized to each specific installation and available in a variety of formats. Combined with our knowledgeable national network of sales representatives, we are committed to the success of your business.

www.thereedinstitute.com

Product Selection Guide

Product	Fuel	DOE Heating Capacity	Venting	Efficiency and Firing System
Fusion XLF	Natural Gas/LP	2,500 - 4,000 MBH	Sealed Combustion/ Direct Vent	Condensing 99% Efficient 5:1 Modulation
Fusion	Natural Gas/LP	500 - 1,999 MBH	Sealed Combustion/ Direct Vent	Condensing 99% Efficient 4:1 Modulation
Infinite Energy 2	Natural Gas/LP	199 - 1,000 MBH	Sealed Combustion/ Direct Vent	Condensing 98% Efficient 20:1 Modulation
Futera XLF	Natural Gas/LP	2,500 - 4,000 MBH	Sealed Combustion/ Direct Vent	Near Condensing 88% Max Efficient 5:1 Modulation
Futera III	Natural Gas/LP	500 - 1,999 MBH	Sealed Combustion/ Direct Vent	Near Condensing 88% Max Efficient 4:1 Modulation
Futera II	Natural Gas/LP	500 - 1,950 MBH	Sealed Combustion/ Direct Vent	Near Condensing 85% Efficient On/Off or 2-Stage
Dominator	Natural Gas/LP	300 - 2,100 MBH	Sealed Combustion/ Direct Vent	Near Condensing 85+% Efficient 2-Stage/4-Stage
LCD	Natural Gas/LP	225 - 2,300 MBH	Sealed Combustion/ Direct Vent	Near Condensing On/Off or 2-Stage
Spectrum	Natural Gas/LP	100 - 399 MBH	Natural Draft	Non-Condensing On/Off or 2-Stage
8800	Natural Gas/LP	2,000 - 4,000 MBH	Natural Draft	Non-Condensing On/Off or 2-Stage/4-Stage
8900	Natural Gas/LP	420 - 1,900 MBH	Natural Draft	Non-Condensing On/Off or 2-Stage/4-Stage
Tanks	Vertical/ Horizontal	200 - 860 Gallons Consult Factory on Larger than 860 Gallons	N/A	Glass lined, Jacketed or Bare



RBI®

FUTERA

FUSION

FUSION^{XLF}



Condensing – Ultra Efficient

The gas-fired Futera Fusion Series brings the field-proven performance of RBI boilers and water heaters to the ultimate levels of efficiency and reliability.

Fusion's innovative design makes it the ideal choice for applications with low operating, return or make-up water temperatures. Unlike most condensing products on the market today which publish the highest efficiencies at the lowest inputs, the Fusion Series can attain efficiencies as high as 99% at full input!

The fully modulating firing system continuously varies the energy input to precisely match the heating load without over-firing and wasting fuel providing extremely high part-load efficiencies.

If you're looking to maximize operating efficiency, reliability, and flexibility in domestic hot water and hydronic heating applications, the Fusion Series is your heating solution.

Features and Benefits

- 500 – 2,000 MBH - Fusion
- 2,500 – 4,000 MBH - Fusion XLF
- Copper 4-Pass Heat Exchanger (160 PSI)
- Stainless Steel Secondary Heat Exchanger
- PVC & Polypropylene (PP) Venting
- HeatNet Integrated Boiler Control Platform
- Modulating Temperature Control Mixing Valve
- Variable Speed Blower
- Flame Safeguard
- Integral Primary Pump
- Service Friendly Design

Premium Performance & Superior Reliability

- 99% Maximum Efficiency
- Full Modulation (5:1 Fusion XLF / 4:1 Fusion)
- Sealed Combustion/Direct Vent
- Symmetrically Air/Fuel Coupled
- Commercial Combustion Controls
- Linked Operating Control System for Multiple Unit Applications
- Gasket-less Heat Exchanger Assembly





Futera Fusion XLF — Dimensions and Ratings

Model	Input		Output		Unit Depth		Unit Width		Unit Height		Flue Vent			Air Intake In.	Connections		Shipping Weight	
											Cat IV Positive (Up to 60')		Cat II		Gas In.	Water In.	lbs.	kgs.
	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	UL Listed Stainless Steel	PVC/PP Option	Negative					
CB/CW 2500	2,500	733	2,350	689	84	2,134	29-1/8	739	55-1/2	1,409	8"	8"	*Common Vent	8	1-1/2	3	2,700	1,225
CB/CW 3000	3,000	879	2,820	826	84	2,134	29-1/8	739	60	1,524	8"	8"	Engineered Systems	8	1-1/2	3	2,900	1,315
CB/CW 3500	3,500	1,026	3,290	964	84	2,134	29-1/8	739	64-1/2	1,638	10"	10"		10	2	3	3,100	1,406
CB/CW 4000	4,000	1,172	3,760	1,102	84	2,134	29-1/8	739	69	1,752	10"	10"		10	2	3	3,200	1,451

Futera Fusion Series — Dimensions and Ratings

Model	Input		Output		Unit Depth		Unit Width		Unit Height		Flue Vent			Air Intake In.	Connections		Shipping Weight	
											Cat IV Positive (Up to 60')		Cat II		Gas In.	Water In.	lbs.	kgs.
	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	UL Listed Stainless Steel	PVC/PP Option	Negative					
CB/CW 500	500	147	476	139	59	1,498	25-1/8	638	48-1/2	1,231	7"	8"	*Common Vent Engineered Systems	8	1	2	850	386
CB/CW 750	750	220	713	209	59	1,498	25-1/8	638	55	1,397	7"	8"		8	1	2	900	409
CB/CW 1000	1,000	293	952	279	59	1,498	25-1/8	638	61-1/2	1,562	7"	8"		8	1-1/4	2	1,050	476
CB/CW 1250	1,250	366	1,189	348	66-1/2	1,689	29-1/8	739	55-1/2	1,409	8"	8"		10	1-1/4	2-1/2	1,235	560
CB/CW 1500	1,500	440	1,430	419	66-1/2	1,689	29-1/8	739	60	1,524	8"	8"		10	1-1/4	2-1/2	1,275	578
CB/CW 1750	1,750	513	1,668	489	66-1/2	1,689	29-1/8	739	64-1/2	1,638	10"	10"		12	1-1/2	2-1/2	1,365	619
CB/CW 2000	1,999	586	1,904	558	66-1/2	1,689	29-1/8	739	69	1,752	10"	10"		12	1-1/2	2-1/2	1,447	656

* Diameters may vary based on system design.

Infinite ENERGY₂

IE₂ high efficiency gas-fired boilers and water heaters utilize state-of-the-art Radial Variable Circulation (RVC) stainless steel heat exchangers for maximum heat transfer and operating efficiencies of up to 98%.

Using all of today's modern technologies including pre-mix burners, modulating firing rates of up to 20:1 and integrated cascade controls IE₂ provides users with superior performance and application flexibility.

Available from 199 to 1000 MBH the IE₂ provides flexible solutions for all of your heating and domestic hot water needs. Units are PVC, polypropylene (PP) and stainless steel vent capable and can be installed in multiple unit configurations using its on-board control which provides flexible modulation for maximum efficiency.



Features and Benefits

- 199 – 1000 MBH
- Up to 98% Ultra-High Efficiency
- RVC Stainless Steel Heat Exchanger
- PVC, PP and Stainless Steel Venting
- Intuitive Integrated Control Platform
- Multi-Unit Cascade Communication (8 Units)
- MODBUS Based Control
- Pre-Mix Burner Technology
- Up to 20:1 Full Modulation
- Low NOx and CO emissions (<15 ppm)
- 3" Minimum Gas Pressure
- 160 PSI Working Pressure
- Integrated condensate neutralizer system
- Modern Sleek Jacket Design
- Ease of Installation and Maintenance

Infinite Energy 2 – Dimensions and Ratings

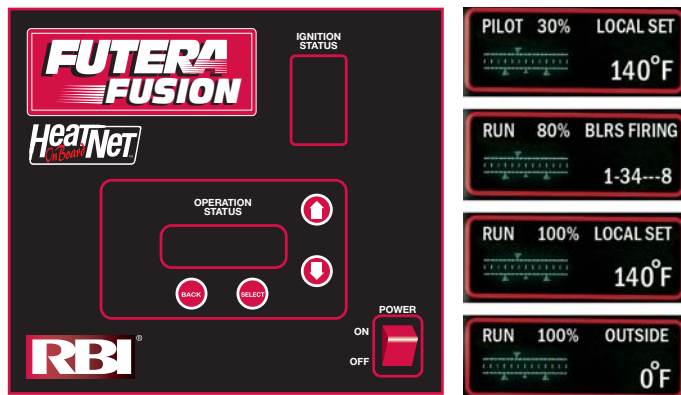
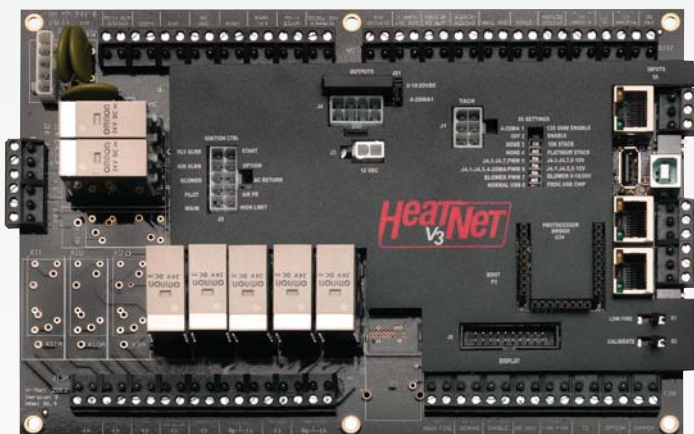
Model	Input		Output		Unit Depth		Unit Width		Unit Height		Flue Vent	Air Intake	Connections		Weight	
	MBH	kW	MBH	kW	In	cm	In	cm	In	cm			Gas	Water	Lbs	Kg
IW 199	Currently in Testing				29	72.4	23.6	60	45.7	116	Currently in Testing					
IB/IW 399	399	117	376	110	34.8	88.5	23.6	60	45.7	116	4"	4"	1"	2"	325	147
IB/IW 500	500	147	472	138	34.8	88.5	23.6	60	45.7	116	4"	4"	1"	2"	340	154
IB/IW 750	750	220	711	208	35.3	89.6	23.6	60	71.5	181.5	6"	6"	1 1/4"	2 1/2"	550	250
IB/IW 1000	999	293	952	279	35.3	89.6	23.6	60	71.5	181.5	6"	6"	1 1/4"	2 1/2"	635	288





Boiler Management Systems

The HeatNet boiler control is designed to provide RBI Fusion and Futera Series (III & XLF) boilers with an integrated boiler management system. HeatNet systems provide precise system control, repeatability and feedback thru digital communication. The control monitors boiler temperatures and limit circuit inputs to maximize turndown ratios to maintain peak efficiency through 5 temperature setting inputs: outside air, outlet (supply) water temperature, inlet (return) water temperature, header temperature and boiler stack temperature.



HeatNet is capable of operating RBI units as single boilers, multi-boiler Master/Member networks of up to 16 boilers and also boiler units connected to independent Building Management Systems. Using the HeatNet integrated boiler management system virtually eliminates wall-mounted control panels and offers easy to read displays with intuitive control menus.

The control configuration “learns” the applications optimal firing rates by using microprocessor electronics to monitor time-average responses based on actual usage to determine the load for the system for optimal energy efficiency. Standard HeatNet controls use a Modbus protocol with optional processor boards for BACnet and LonWorks based building management systems.

Variable control settings for Mod/Max firing rates allow adjustable maximum firing rates enabling all boilers to run at extremely efficient levels until all units in the sequence have fired at which time firing rates can increase above the standard setting to meet system demands. Boiler firing rotations can be programmed for first on/first off, first on/last off or “True Rotation” which rotates boiler run-times so that all units run for the same amount of time.

Electronics are located in a self-contained control enclosure through which all internal components and terminal blocks are easily accessed via a hinged, swing open door panel on the front of all units.



Near Condensing, Full Modulation Units

The modulating Futera XLF, available in 2,500-4,000 MBH, provides advanced efficient performance with unmatched outputs in a small compact footprint. XLF units have operating efficiencies of up to 88% and turndown ratios of 5:1 for maximum energy optimization.

RBI's HeatNet® integrated boiler management system control is featured on all XLF units to insure the highest operating efficiencies. HeatNet is capable of operating up to 16 units without the need for additional expensive wall-mounted control panels. HeatNet monitors all diagnostics and provides precise system control for added safety and efficiency.

Unsurpassed RBI reliability coupled with our "Smart Service Design", allows easy access to all components for yearly inspection and ease of service, providing years of unparalleled performance.

Available in both indoor and optional outdoor units, XLF units feature attractive corrosion-resistant brushed stainless steel jackets for all types of installations.



Features and Benefits

- 88% Maximum Efficiency
- 2,500 – 4,000 MBH
- Full Modulation 5:1 Turndown
- Copper Finned-Tube Heat Exchanger
-ASME 160 psi Max 4-Pass Design
- HeatNet® Integrated Boiler Management System
- Turbo Pilot Sure-Fire Ignition (Patent-Pending)
- Stainless Steel Jacket Panels
- Solid Bronze Headers (Water Heaters)
- Quick-Release Service Latches
- Multiple Venting Options
- Seismic Restraint Base Assembly
- Modbus Protocol for BMS Communications
- Optional Outdoor Enclosure Available

Futera XLF Series — Dimensions and Ratings

Model	Input		Output		Unit Depth		Unit Width		Unit Height		Flue Vent Positive	Air Intake For Horizontal	Connections		Shipping Weight	
	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	(Up to 60')	(Up to 60')	Gas In.	Water In.	lbs.	kgs.
MB/MW 2500	2,500	733	2,148	629	31-1/8	79.1	29-1/8	740	55-1/2	1,410	8"	8"	1-1/2	4	1,300	590
MB/MW 3000	3,000	879	2,568	752	31-1/8	79.1	29-1/8	740	60	1,524	8"	8"	1-1/2	4	1,400	635
MB/MW 3500	3,500	1,026	3,000	879	31-1/8	79.1	29-1/8	749	64-1/2	1,639	10"	10"	2	4	1,500	681
MB/MW 4000	4,000	1,172	3,432	1,006	31-1/8	79.1	29-1/8	749	69	1,753	10"	10"	2	4	1,600	726





Near Condensing, Full Modulation Units

Futera III boilers offer the same proven quality characteristics as seen in the XLF just in smaller size ranges. From 500 – 1,999 MBH, units feature full modulation with 4:1 turndown supplying the precise amount of heat necessary to maintain desired building temperature by matching heating demand without over-firing or wasting energy. Its symmetric air/fuel coupling maintains high combustion quality with a high degree of safety while allowing use in areas of variable air inlet pressures with no degradation in performance.

RBI's HeatNet integrated boiler management system control is featured on all Futera III units to insure the highest operating efficiencies. HeatNet is capable of operating up to 16 units without the need for additional expensive wall-mounted control panels. HeatNet monitors all diagnostics and provides precise system control for added safety and efficiency.

All Futera III units fit comfortably through standard doorways and offer large capacities in a small footprint. RBI's trademark "Smart Service Design" allows for easy access to all components and its corrosion-resistant, brushed stainless steel jacket is ideal for outdoor or indoor installations in corrosive or harsh environments.



The metal fiber burner delivers excellent performance using the latest metal fiber technology.



The robust, pre-mix burner allows seamless modulating turndown while ensuring ultra-low emission levels, and noise-free operation at extremely high efficiencies. Ignition components can be easily removed, serviced and reinstalled without removal of the burner assembly.

Features and Benefits

- 88% Maximum Efficiency
- 500 – 1,999 MBH
- Full Modulation 4:1 Turndown
- HeatNet® Integrated Boiler Management System
- Bronze Headers (Water Heaters)
- Copper Finned-Tube Heat Exchanger
-ASME 160 psi Max WP, 4-Pass Design
- Symmetrically Air/Fuel Coupled
- Gasketless Heat Exchanger Assembly
- Modbus Protocol for BMS Communications
- Stainless Steel Jacket
- Optional Outdoor Enclosure Available

Futera III Series — Dimensions and Ratings

Model	Input		Output		Unit Depth		Unit Width		Unit Height		Flue Vent		Air Intake In.	Connections		Shipping Weight	
	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	(Cat II) Negative	(Cat IV) Positive (Up to 60')		Gas In.	Water In.	lbs.	kgs.
MB/MW 500	500	147	435	127	43-1/2	1,104	25-1/8	638	48-1/2	1,231	6"	5"	8	1	2	545	247
MB/MW 750	750	220	653	191	43-1/2	1,104	25-1/8	638	55	1,397	6"	5"	8	1	2	590	268
MB/MW 1000	1,000	293	870	255	43-1/2	1,104	25-1/8	638	61-1/2	1,562	7"	6"	8	1-1/4	2	670	304
MB/MW 1250	1,250	366	1,088	319	49-1/4	1,247	29-1/8	739	55-1/2	1,409	8"	6"	10	1-1/4	2-1/2	815	370
MB/MW 1500	1,500	440	1,305	382	49-1/4	1,247	29-1/8	739	60	1,524	8"	8"	10	1-1/4	2-1/2	855	388
MB/MW 1750	1,750	513	1,523	446	49-1/4	1,247	29-1/8	739	64-1/2	1,638	10"	10"	12	1-1/2	2-1/2	880	400
MB/MW 2000	1,999	586	1,739	510	49-1/4	1,247	29-1/8	739	69	1,752	10"	10"	12	1-1/2	2-1/2	930	422



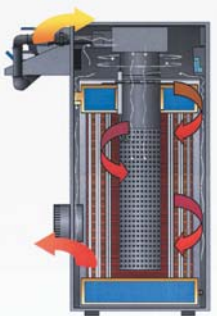
FUTERA II SERIES

Near Condensing – Sealed Combustion

The Futera II Series of boilers and water heaters provide near condensing thermal efficiencies of 85%. Available in sizes from 500 to 1,950 MBH Futera II units are fully packaged and fit through a standard 30" doorway for quick and easy installation.

The Futera II provides a high concentration of BTU's in a small compact footprint, making it an excellent choice for jobs where mechanical space is limited, as well as modular step-fired applications.

The Futera II offers maximum flexibility. Units can be set up using room air for combustion or by utilizing outside air for sealed combustion and units can vent vertically as Category I appliances or horizontally as Category III appliances, ideal for buildings without chimneys, where roof penetrations cannot exist, and on electric to gas conversions.



The Futera II Heat Exchanger is designed for maximum reliability and durability with solid bronze cast headers and high-strength, mild steel, nickel-plated alloy burner.



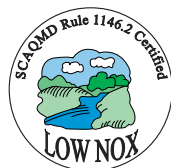
Also available with corrosion-resistant, brushed stainless steel jacket. Ideal for outdoor or indoor installation in harsh environments such as coastal areas and processing applications requiring wash down.

Features and Benefits

- 500 – 1,950 MBH
- Advanced Diagnostic Panel
- 85% Near Condensing Efficiency
- Flame Safeguard Control
- One-Piece Header Design
- Pump Delay Relay
- Bronze Headers (Water Heaters)
- Stainless Combustion Chamber
- Vertical or Horizontal Venting Options
- 2-Stage Digital Operator
- CSD-1 & FM Compliant Gas Train
- Optional Outdoor Enclosure Available

Futera II Series — Dimensions and Ratings

Model	Input		Output		Net Rating		Unit Depth		Unit Width		Unit Height		Vent Dia. Standard		Vent Dia. Thru-Wall		Air Intake Dia.		Connections			Shipping Weight	
	MBH	kW	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Nat. In.	LP In.	Water In.	lbs.	kgs.
FB/FW 500	500	147	425	125	370	108	22-1/2	572	21-1/4	540	43	1,092	8	203	6	152	10	254	1	1	2	545	247
FB/FW 750	750	220	638	187	555	163	22-1/2	572	21-1/4	540	49-9/16	1,257	10	254	8	203	10	254	1	1	2	590	268
FB/FW 1000	1,000	293	850	249	739	217	22-1/2	572	21-1/4	540	56-1/16	1,422	10	254	9	229	10	254	1-1/4	1-1/4	2	670	304
FB/FW 1250	1,250	366	1,063	311	923	270	27-1/2	699	25-1/2	648	51	1,295	12	305	10	254	12	305	1-1/4	1-1/4	2-1/2	815	370
FB/FW 1500	1,500	440	1,275	374	1,109	325	27-1/2	699	25-1/2	648	55-1/2	1,410	12	305	10	254	12	305	1-1/4	1-1/4	2-1/2	855	388
FB/FW 1750	1,750	513	1,488	436	1,294	379	27-1/2	699	25-1/2	648	60	1,524	14	356	12	305	14	356	1-1/2	1-1/2	2-1/2	880	399
FB/FW 1950	1,950	571	1,658	486	1,442	423	27-1/2	699	25-1/2	648	64-1/2	1,638	14	356	12	305	14	356	1-1/2	1-1/2	2-1/2	930	422





Near Condensing – Sealed Combustion, Multi-Stage Firing

The Dominator® Series offers the ultimate flexibility in boiler and water heater application – at a competitive price. Efficiencies of over 85% are among the highest available in near condensing boiler and water heater designs.

The Dominator can operate using room air for combustion or by drawing outside air directly as a sealed combustion product. Units can vent combustion gases vertically or horizontally with factory equipped draft-inducer kits.

The Dominator's stackable frame option allows units to be stacked two-high, adding valuable BTU's while keeping the footprint to the size of a single unit.

Built-in serviceability features include a slide out heat exchanger that allows contractors to remove the heat exchanger for service or repair, without having to disassemble the entire unit.

Also available with corrosion-resistant, brushed stainless steel jacket for outdoor or indoor installation in corrosive or harsh environments.

Features and Benefits

- Up to 85% Efficient
- 300 – 2,100 MBH
- Field Reversible Headers
- Uginox Alloy Stainless Steel Burners
- 2 or 4-Stage Firing Models (300 On/Off Only)
- Stackable Frame (Seismic Approval Up To Zone 4)
- Category I & III Venting
- Slide-Out Heat Exchanger
- Outdoor Approved
- Ventura County APCD Rule 74.11.1 Certified

Dominator Series — Dimensions and Ratings

Model	Input		Output		Overall Length		Flue Vent Dia.		Ducted Air Size		Shipping Weight	
	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	lbs.	kgs.
DB/DW 300	300	88	251	73	22-1/8	562	6	152	6	152	325	148
DB/DW 400	400	117	340	100	28-5/8	727	6	152	6	152	430	195
DB/DW 600	600	176	510	149	35-1/8	892	7	178	8	203	580	263
DB/DW 750	750	220	638	187	41-5/8	1,057	8	203	8	203	725	329
DB/DW 900	900	264	765	224	48-1/8	1,222	10	254	10	254	805	365
DB/DW 1050	1,050	308	893	262	58-3/8	1,483	10	254	10	254	875	397
DB/DW 1350	1,350	396	1,148	336	71-3/8	1,813	12	305	12	305	1,110	504
DB/DW 1500	1,500	440	1,275	374	77-7/8	1,978	14*	356	12	305	1,130	513
DB/DW 1950	1,950	572	1,658	486	97-3/8	2,473	14*	356	12	305	1,375	624
DB/DW 2100	2,100	616	1,785	523	103-7/8	2,638	14*	356	12	305	1,435	651

* 14" oval to round transition piece.





Near Condensing – Sealed Combustion, Two-Stage Firing

The LCD Dominator® Series offers competitively-priced indoor/outdoor units that meet low NOx requirements while maintaining superior performance and serviceability.

The LCD provides dependable performance in rugged environments and process applications, with a wide 225 – 2,300 MBH range.

At the heart of the unit is a sealed combustion chamber that provides the flexibility of using outside air or mechanical room air for combustion.

Priced in line with the atmospheric category heaters, LCD units feature smaller vent sizes, resulting in lower total installation cost.



Also available with corrosion-resistant, brushed stainless steel jacket for outdoor or indoor installation in corrosive or harsh environments.

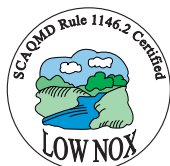
Features and Benefits

- 225 – 2,300 MBH
- Uginox Alloy Stainless Steel Burners
- On/Off (225-2,300) Or 2-Stage (600-2,300)
- Sealed Combustion Chamber
- Outdoor Approved
- Category I & III Venting
- Stackable Frame (Seismic Approval Up To Zone 4)
- Optional Stainless Steel Jacket
- Ventura County APCD Rule 74.11.1 Certified

LCD Dominator Series — Dimensions and Ratings

Model	Input		Output		Overall Length		Flue Vent Dia.		Ducted Air Size		Shipping Weight	
	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	lbs.	kgs.
LB/LW 225	225	66	187	55	22-1/8	562	6	152	6	152	325	148
LB/LW 300	299	88	245	72	22-1/8	562	6	152	6	152	325	148
LB/LW 400	399	117	327	96	28-5/8	727	6	152	6	152	430	195
LB/LW 600	600	176	492	144	36-1/8	892	7	178	8	203	580	263
LB/LW 750	750	220	615	180	41-5/8	1,057	8	203	8	203	725	329
LB/LW 1050	1,050	308	861	252	58-3/8	1,483	10	254	10	254	805	365
LB/LW 1200	1,200	352	984	288	71-3/8	1,813	12	305	12	305	875	397
LB/LW 1480	1,480	434	1,214	356	71-3/8	1,813	12	305	12	305	1,110	504
LB/LW 1650	1,650	483	1,353	396	77-7/8	1,978	14*	356	12	305	1,130	513
LB/LW 1970	1,970	577	1,615	473	97-3/8	2,473	14*	356	12	305	1,375	624
LB/LW 2300	2,300	674	1,886	553	103-7/8	2,638	14*	356	12	305	1,435	651

* 14" oval to round transition piece.



SPECTRUM SERIES

Non-Condensing

The Spectrum Series boilers and water heaters are the only products in its size range which use 7/8" inside diameter finned copper tubes in the heat exchanger. Larger diameter tubes handle higher flow rates and provide longer service life than competitive models that use 5/8" tubes.

The Spectrum's diagnostic control panel for easy troubleshooting is a unique feature in this BTU size range. Solid bronze headers, standard on all domestic water heaters make the Spectrum the perfect economically unit for restaurants, hotels, and even car washes.

Perfect for residential heating boilers or light commercial water heaters, Spectrum units are available in sizes ranging from 100 to 399 MBH.

Features and Benefits

- 100 – 399 MBH
- Built-In Draft Diverter
- 7/8" I.D. Tube Commercial Exchanger
- Field-Reversible Heat Exchanger
- Stainless Steel Burners
- Bronze Headers (Water Heaters)
- Cast Iron Headers (Boilers)
- Diagnostic Panel Standard
- On-Off (SB/SW 100-400)
- 2-Stage (SB 300-400) (SW 100-400)
- Outdoor Approved
- 2 Or 4-Pass Heat Exchanger
- Optional Stainless Steel Jacket
- Electronic Ignition



Also available with corrosion-resistant, brushed stainless steel jacket for outdoor or indoor installation in corrosive or harsh environments.

Spectrum Series — Dimensions and Ratings

Model	Input		Output		Net Rating		AFUE%	Unit Width		Vent Width		Connections		Shipping Weight	
	MBH	kW	MBH	kW	MBH	kW		In.	mm	In.	mm	Gas In.	Water In.	lbs.	kgs.
SB/SW 100	100	29	82	24	73	21	82	16-1/8	410	5	127	1/2	1-1/2	193	88
SB/SW 150	150	44	123	36	109	32	82	19-1/2	495	6	152	1/2	1-1/2	200	91
SB/SW 200	199	58	163	49	144	42	82	22-7/8	581	7	178	1/2	1-1/2	235	107
SB/SW 250	250	73	205	60	182	53	82	26-1/4	667	8	203	3/4	1-1/2	250	113
SB/SW 300	301	88	247	72	214	63	82	29-5/8	752	8	203	3/4	1-1/2	265	120
SB/SW 350	350	103	286	84	248	73	82	33	838	9	229	3/4	1-1/2	285	129
SB/SW 400	399	117	324	95	282	83	81.2	35-3/8	899	10	254	3/4	1-1/2	300	136



LLC

8800 SERIES 8900 SERIES

Non-Condensing, Multi-Stage Firing

No other atmospheric products on the market are easier to install, service and maintain than 8800/8900 Series boilers and water heaters. Simple service allows for a longer life span, decreased service time and lower costs to the end-user.

Features and Benefits

- 420 to 1,900 MBH (8900)*
- 2,000 to 4,000 MBH (8800)*
- Bronze Headers
- Optional Cupro-Nickel Tubes
- Gas Control – On/Off, 2-Stage, 4-Stage
- Reversible Headers and Left or Right Gas Train Connections
- Slide Out Heat Exchanger And Burner Tray
- Interlocking Refractory
- Component Accessibility



8800 Series — Dimensions and Ratings

Model	Input		Output		Net Rating		Unit Width		Flue Vent Dia.		Dual Exhaust Vent Dia.		Connections			Shipping Weight	
	MBH	kW	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	Nat.	LP	Water	lbs.	kgs.
HB/HW 2000*	2,000	586	1,640	480	1,426	418	55	1,397	22	559	14	356	1-1/2	1-1/2	3	1,400	635
HB/HW 2400*	2,400	703	1,968	577	1,711	501	64	1,625	24	610	16	406	2	1-1/2	3	1,500	680
HB/HW 2800	2,800	820	2,296	673	1,997	585	73	1,854	26	660	18	457	2	1-1/2	3	1,600	726
HB/HW 3200	3,200	938	2,624	769	2,282	669	82	2,083	28	711	20	508	2	2	3	1,750	794
HB/HW 3600	3,600	1,055	2,952	865	2,567	752	91	2,311	30	762	22	559	2-1/2	2	3	1,975	896
HB/HW 4000	4,000	1,172	3,280	961	2,852	836	100	2,540	30	762	22	559	2-1/2	2	3	2,100	953

***8900 Series — Dimensions and Ratings**

Model	Input		Output		Net Rating		Unit Width		Flue Vent Dia.		Dual Exhaust Vent Dia.		Connections			Shipping Weight	
	MBH	kW	MBH	kW	MBH	kW	In.	mm	In.	mm	In.	mm	Nat.	LP	Water	lbs.	kgs.
HB/HW 420	420	123	340	100	296	87	28-1/2	724	10	254	—	—	1	1	2-1/2	575	261
HB/HW 530	530	155	429	125	373	109	33	830	10	254	—	—	1	1	2-1/2	600	272
HB/HW 630	630	185	510	150	443	130	37-1/2	952	12	305	—	—	1	1	2-1/2	650	295
HB/HW 735	735	210	595	174	517	151	42	1,056	14	355	—	—	1	1	2-1/2	700	318
HB/HW 840	840	246	680	199	591	173	46-1/2	1,181	14	355	10	254	1	1	2-1/2	775	352
HB/HW 950	950	278	770	226	670	196	51	1,295	14	355	10	254	1	1	2-1/2	825	374
HB/HW 1050	1,050	308	851	249	740	217	55-1/2	1,409	16	406	12	305	1-1/4	1-1/4	2-1/2	900	408
HB/HW 1160	1,160	340	940	275	817	239	60	1,524	16	406	12	305	1-1/4	1-1/4	2-1/2	950	431
HB/HW 1260	1,260	369	1,021	299	888	260	64-1/2	1,638	16	406	12	305	1-1/4	1-1/4	2-1/2	1,000	454
HB/HW 1370	1,370	402	1,110	325	965	283	69	1,752	18	457	14	355	1-1/4	1-1/4	2-1/2	1,050	476
HB/HW 1470	1,470	431	1,191	349	1,036	304	73-1/2	1,867	18	457	14	355	1-1/4	1-1/4	2-1/2	1,100	499
HB/HW 1580	1,580	463	1,280	375	1,113	326	78	1,981	18	457	14	355	1-1/4	1-1/4	2-1/2	1,150	522
HB/HW 1685	1,685	494	1,365	400	1,187	348	82-1/2	2,095	18	457	14	355	1-1/4	1-1/4	2-1/2	1,200	544
HB/HW 1790	1,790	525	1,450	425	1,261	369	87	2,210	20	508	16	406	1-1/2	1-1/2	2-1/2	1,250	567
HB/HW 1900	1,900	557	1,539	451	1,338	392	91-1/2	2,324	20	508	16	406	1-1/2	1-1/2	2-1/2	1,300	590



* 8800 sizes 2000 and 2400 and 8900 Series are not available for sale in the U.S. due to DOE regulations.

STORAGE TANKS

Vertical Glass Lined Jacketed and Insulated or Bare ASME

RBI tanks are designed for the efficient, heat retaining storage of hot water supply systems. Ranging in size from 200 – 1,000 gallon capacities RBI's storage tanks offer complete application flexibility and are the perfect complement to RBI's high efficiency water heaters and boilers.

Available in both jacketed/insulated and bare configurations all RBI storage tanks are ASME certified and use the latest advancements in interior tank lining technology for maximum performance and durability. Ultonium®, RBI's glass-lining is specifically formulated for hot water applications and provides an ultra-durable wear resistant lining that minimizes the effects of high temperatures associated with water heating.

RBI storage tanks provide advanced engineering, quality materials, premium performance and long service life to any water heating application.

Features and Benefits

- ASME Certified HLW Stamp
- Ultonium® Glass Lining
- 2" True Dielectric NPT Fittings
- 125 psi Certified Working Pressure
- Magnesium Anode Rods
- Heavy Gauge Steel Construction
- 2" Non-CFC Foam Insulation
- Durable Heavy Gauge Steel Jacket
- 5-Year Warranty



Storage Tanks — Bare — Vertical Glass Lined

Model	Capacity (Gals.)	Height (In.)	Width (In.)
V200B	200	79-1/2	28
V240B	240	89	30
V310B	310	82	36
V435B	435	85	42
V505B	505	97	42
V675B	675	100	48
V860B	860	124	48

Storage Tanks — Jacketed — Vertical Glass Lined

Model	Capacity (Gals.)	Height (In.)	Width (In.)
V200J	200	77	32
V240J	240	93	34
V310J	310	86	40
V435J	435	89	46
V505J	505	101	46
V675J	675	104	52
V860J	860	128	52

In the interest of product improvement, RBI reserves
the right to make changes without notice.



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