



Series WBV/WV™

Residential Oil Boilers



Classic Jacket



Premium Jacket



Series WBV/WV™ Boiler Features

- Up to 87.5% AFUE—ENERGY STAR® Efficient*!
- Residential, Oil-fired Boiler for Hot Water or Steam Systems
- Natural Draft (Chimney) Venting
- High Efficiency, Flame Retention Burners—Choice of Beckett, Carlin or Riello
- Cast Iron Sections—Factory Tested and Assembled with Steel Push Nipples
- Large Water Content, Wet Base Section Design—Ideal for Steam and Large Volume Hot Water Applications
- Rear or Top Flue Convertibility (certain models)
- Deluxe Powder Coated Steel Jacket—Reduces Boiler Heat Loss
- Full Plate Swing Out Door—For Quick and Easy Cleaning
- NEW! Optional Sleek, Two-Piece Molded Boiler Cover with Removable Lens for Viewing the Control
- ETL Certified for US and Canada

*certain firing rates

Standard Equipment

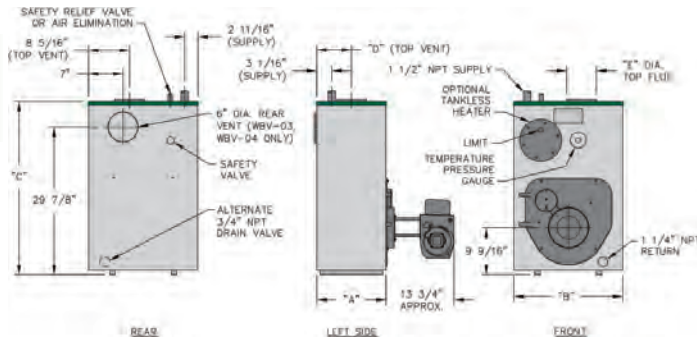
- > Boiler Reset Control with Low Water Cut-off for Increased Efficiency and Safety (Water Boilers)
- > Taco Circulator (Water Boilers)
- > Probe Type LWCO and Skim Tapping (Steam Boilers)
- > Temperature-Pressure Gage
- > Drain Valve
- > Top Cleanout
- > Built-in Air Elimination Baffle

All residential cast iron boilers include a full one-year warranty. A limited, lifetime warranty is provided for the cast iron sections of Peerless® residential hot water boilers. A limited, ten-year warranty is provided on the cast iron sections of residential steam boilers. Visit PeerlessBoilers.com for complete details.

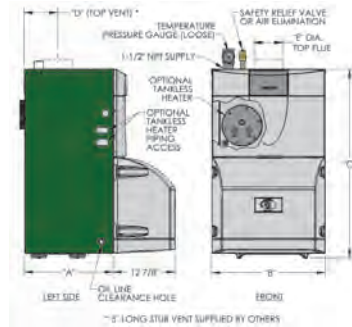


Technical Information

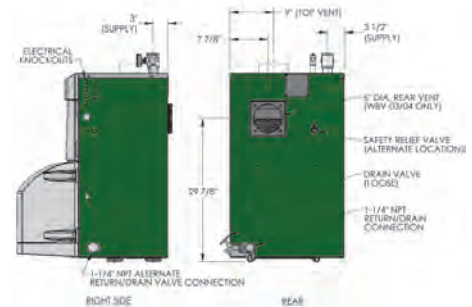
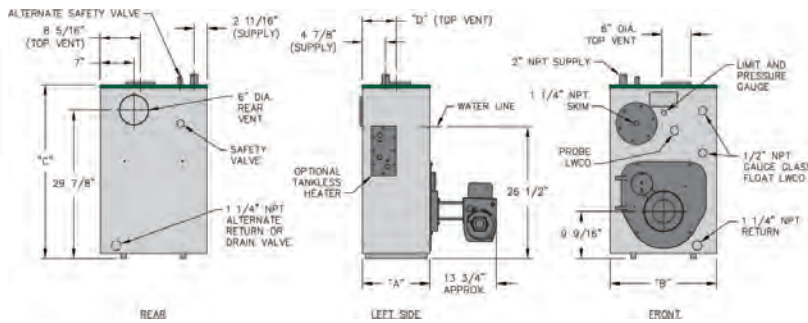
Classic Jacket Water



Premium Jacket Water



Classic Jacket Steam



Boiler Dimensions

	Boiler Model Number	Jacket Depth "A"	Jacket Width "B"	Jacket Height "C"	Rear of Jacket to c/l of Vent "D"	Vent Size Diameter "E"
Classic Jacket Water	WBV-03	14-1/8"	22-1/8"	35"	7-1/16"	6"
	WBV-04	18-1/8"	22-1/8"	35"	9-1/16"	6"
	WV-05	22-1/8"	22-1/8"	35"	11-1/16"	7"
Classic Jacket Steam	WBV-03	15-3/4"	22-1/8"	35"	8-7/8"	—
	WBV-04	19-3/4"	22-1/8"	35"	10-7/8"	—
Premium Jacket Water	WBV-03	18-3/8"	23-5/8"	39-1/4"	7"	6"
	WBV-04	22-3/8"	23-5/8"	39-1/4"	11"	6"
	WV-05	26-3/8"	23-5/8"	39-1/4"	15"	7"

Crated Dimensions & Shipping Weights

Boiler Model Number	Length		Width	Height	Approximate Shipping Weight (lbs.)								
	WPC, WPCT, WPCO	SP-SPT	WPC, WPCT, SP-SPT*	WPC, WPCT, SP-SPT*	Knockdown				Package				
					W-S*	WU	S	SU	WPC	WPCT	SP	SPT	
Classic Jacket	WBV-03	35"	40"	28-1/2"	39-3/4"	470	485	535	550	566	575	573	584
	WBV-04	43"	40"	28-1/2"	39-3/4"	590	605	650	665	694	708	685	696
	WV-05	43"	—	28-1/2"	39-3/4"	710	725	—	—	805	813	—	—
Premium Jacket	WBV-03	44-3/4"	—	28-3/4"	47"	485	500	—	—	590	600	—	—
	WBV-04	48-3/4"	—	28-3/4"	47"	605	620	—	—	720	735	—	—
	WV-05	52-3/4"	—	28-3/4"	47"	725	740	—	—	830	340	—	—

*Classic Jacket Only

Boiler Ratings

Series WBV/WV™										Water Content, Gallons		Minimum Stack Draft Required, in. W.C.
Boiler Model Number	Input		Heating Capacity ⁵ , MBH		Net Ratings ⁴			AFUE ⁵ , %		Water	Steam	
	GPH ¹	MBH	Water	Steam	Steam, sqft	Steam, MBH ³	Water, MBH ²	Water	Steam			
WBV-03	0.60+⊕	84	75	—	—	—	65	87.5*	—	11.75	—	-.03
WBV-03	0.85	119	104	103	321	77	90	86.2	84.8	11.75	12.00	-.04
WBV-03	1.05	147	126	124	388	93	110	85.0	83.6	11.75	12.00	-.05
WBV-04	0.95+†	133	117	—	—	—	102	87.0*	—	14.75	—	-.03
WBV-04	1.25	175	151	151	471	113	131	85.4	85.3	14.75	14.87	-.04
WBV-04	1.50	210	180	179	558	134	156	85.1	84.3	14.75	14.87	-.05
WV-05†	1.75	245	212	—	—	—	184	85.5	—	17.75	—	-.05
WV-05†	1.95	273	235	—	—	—	204	85.0	—	17.75	—	-.06

* As an ENERGY STAR® Partner, PB Heat, LLC has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.

† Top venting only.

⊕ Nozzles for these firing rates not provided as standard equipment. Consult factory for price and availability.

⊕ This firing rate can only be achieved with a Riello F-3 burner. Consult us for details.

1 Burner input based on No. 2 fuel oil with a heating value of 140,000 Btu per gallon.

2 Net water ratings based on an allowance of 1.15.

3 Net steam ratings based on an allowance of 1.333.

4 Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

5 Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government tests, with 13% CO₂ and -0.02" w.c. draft over fire.

6 Chimney Size: 8" x 8" x 15 ft.



PeerlessBoilers.com



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CUT-WBV R5 (1/16 - 7.5M)

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