

Residential AERO[®] Series Energy Saver Oil-Powered Water Heater



Photo is of
CF-32-6

AERO[®] Series Models Feature:

- **High Recovery Rates**—Oil heats water 3 to 4 times faster than other methods. These models are designed to assure a constant supply of hot water provided the draw-off rate is within the recovery capacity of the unit. Center flue models from 32 to 50 gallons capacity delivery recovery rates as high as 110 gallons per hour. Rear flue models are designed for heavier demand with recovery rates as high as 195 gallons per hour.
- **Installation**—Occupies relatively little floor space and does not require a separate fuel oil storage tank when used in an oil-heated residence.
- **Factory Installed Hydrojet[®] Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up at top of tank (Center Flue models only).
- **Vitraglas[®] Lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. The Bradford White high silica Vitraglas[®] lining provides a tough interior surface for our water heater tanks.
- **Controls**—Single immersion aquastat (supplied with burner) for precise, easy water temperature regulation and safety.
- **Beckett Burners**—All burners are 120V, 1-stage with multiple firing rates (see reverse side for part numbers). Carlin and Riello are optional burners, but not available through Bradford White.
- **New Beckett Burners are Compatible with Biofuel**—Up to B5 (5% Biofuel) can be used with water heater, provided the Biofuel meets ASTM D6751.
- **1" Non-CFC Foam Insulation**—Surrounds the tank surface, saving energy by retarding loss of heat (Center Flue models only).
- **Fiberglass Insulation**—High density fiberglass insulation provides a thick blanket around tank and combustion chamber for more heat retention and maximum fuel efficiency (Rear Flue models only).
- **Water Connections**—3/4" NPT factory installed true dielectric fittings extend water heater life and eases installation (RF-50 has 1 1/4" water connections).
- **Two Protective Magnesium Anode Rods**—Provide added protection against corrosion for long trouble-free service (Rear Flue models have one Magnesium Anode Rod).
- **Flexible Stainless Steel Flue Baffle**—Maximizes the amount of heat absorbed by the tank and reduces heat loss during standby periods. Hinged for low ceiling removal and cleaning (Center Flue models only).
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded.
- **Ceramic Fiber Combustion Chamber**—Concentrates the flame for a smaller, hotter fire and faster transfer of maximum heat.
- **T&P Relief Valve**—Installed.
- **Brass Drain Valve.**
- **Design Certified by CSA International (formerly AGA and CGA).**



6-Year Limited Tank Warranties / 2-Year Limited Warranty on Parts and Burner.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (B1)5,341,770; 5,660,165; 5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983; 4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968; 4,672,919; Re. 34,534; 7,270,087 B2. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832; 2,045,862; 2,112,515; 2,108,186; 2,107,012; 2,092,105; 2,409,271. Vitraglas[®] and Hydrojet[®] are registered trademarks of Bradford White[®] Corporation.

Energy Saver Models

Meet or exceed ASHRAE 90.1b (current standard).
Recovery Efficiency ranging up to 79%

Model Number	Capacity		U.S. GPH Firing Rate	Recovery at 90°F Rise*		A	B	C	D	E	F	G	H	J	K	Approx. Shipping Weight lbs.	
	U.S. Gal.	Imp. Gal.		U.S. GPH	Imp. GPH	Floor to Flue Conn. in.	Jacket Dia. in.	Flue Size in.	Floor to T&P Conn. in.	Floor to Burner Top in.	Floor to Cold Water Conn. in.	Floor to Hot Water Conn. in.	Floor to Heater Top in.	Floor to Aquastat in.	Depth in.		
CF-32-6	32	27	91/105	.65/.75	96/111	80/93	51 ¹ / ₈	20	6	42 ¹⁵ / ₁₆	11 ¹³ / ₁₆	50 ¹ / ₈	50 ¹ / ₈	49 ³ / ₁₆	27 ⁷ / ₁₆	26 ⁹ / ₁₆	215
CF-50-6	50	42	105/119	.75/.85	111/126	93/105	60 ³ / ₁₆	22	6	51 ¹⁵ / ₁₆	11 ¹³ / ₁₆	58 ³ / ₄	58 ³ / ₄	57 ¹³ / ₁₆	31 ⁵ / ₈	28 ¹ / ₂	275
RF-30-6	30	25	119	.85	123	103	47 ⁷ / ₈	23 ³ / ₁₆	6	48 ³ / ₈	13 ³ / ₈	18 ¹¹ / ₁₆	48 ³ / ₈	56	24 ³ / ₈	34	250
RF-30SX-6	30	25	119	.85	123	103	42 ³ / ₁₆	24 ³ / ₄	6	41 ³ / ₁₆	13 ³ / ₈	18 ¹¹ / ₁₆	41 ³ / ₁₆	49	24 ³ / ₈	34 ¹ / ₁₆	210
RF-50-6	50	42	175/189	1.25/1.35	182/197	152/165	60 ⁷ / ₈	26 ¹ / ₂	7	60 ³ / ₄	13 ³ / ₁₆	21	60 ³ / ₄	68 ¹⁵ / ₁₆	28 ⁷ / ₈	36 ³ / ₄	360

Model Number	Capacity		Recovery at 50°C Rise*	A	B	C	D	E	F	G	H	J	K	Approx. Shipping Weight kg.
	Liters	kW Input		Liters/Hour	Floor to Flue Conn. mm.	Jacket Dia. mm.	Flue Size mm.	Floor to T&P Conn. mm.	Floor to Burner Top mm.	Floor to Cold Water Conn. mm.	Floor to Hot Water Conn. mm.	Floor to Heater Top mm.	Floor to Aquastat mm.	
CF-32-6	121	26.7/30.1	363/420	1298	508	152	1090	300	1273	1273	1249	696	674	98
CF-50-6	189	30.1/35.0	420/477	1528	558	152	1319	300	1492	1492	1452	803	723	125
RF-30-6	114	35.0	465	1216	639	152	1228	333	474	1228	1422	619	863	113
RF-30SX-6	114	35.0	465	1071	629	152	1046	365	474	1061	1244	619	866	95
RF-50-6	189	51.2/55.4	689/745	1546	673	178	1543	335	533	1543	1751	733	933	163

*Based on manufacturers rated recovery efficiency.

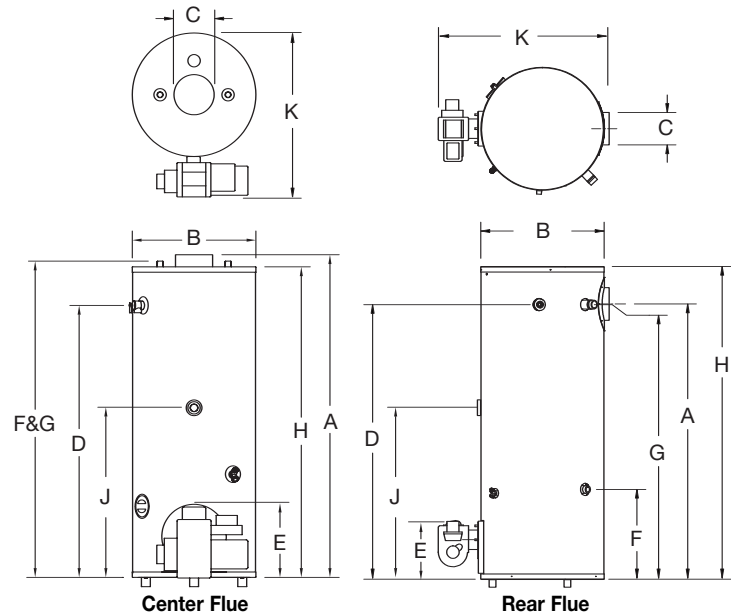
CF = Center Flue.

RF = Rear Flue.

†MBTUH = Thousand Btu's/Hr.

Model Number	Part Number	Description**
CF-32	228-44392-01	Beckett Burner with single Aquastat @ 0.65 GPH
CF-32	228-44392-03	Beckett Burner with single Aquastat @ 0.75 GPH
CF-50	228-44392-03	Beckett Burner with single Aquastat @ 0.75 GPH
CF-50	228-44392-05	Beckett Burner with single Aquastat @ 0.85 GPH
RF-30(SX)	228-44392-07	Beckett Burner with single Aquastat @ 0.85 GPH
RF-50	228-44392-09	Beckett Burner with single Aquastat @ 1.25 GPH
RF-50	228-44392-11	Beckett Burner with single Aquastat @ 1.35 GPH

**All burners are 1-stage, 120V.



General

All Oil-Powered water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa).

Approved for use with No. 2 fuel oil or lighter. Shipping weight for water heater less Oil Burner - deduct 40 lbs. (18 kg).

All center flue water heaters meet or exceed DOE and CSA B211 energy requirements as certified by ETL. All water heaters must be installed with a temperature and pressure relief valve and on a non-combustible floor. All water heaters are approved for use with "L" vent.

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

Suitable for Water (Potable) Heating and Space Heating.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into this system. This unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

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