

---

---



# BRADFORD WHITE®

## Aero Series Commercial Energy Saver Oil-Powered

---

---

### Features:

- **Flexible stainless steel flue baffle**—(CF-70 model only) is hinged for low ceiling removal and cleaning designed for optimal heat transfer.
- **Controls**—dual immersion aquastat (supplied with burner) for precise, easy water temperature regulation and safety.
- **Ceramic Fiber Combustion Chamber**—concentrates the flame for smaller, hotter fire and faster transfer of heat.
- **Protective magnesium anode rod**—provides added protection against corrosion for long trouble-free service. CF models include two magnesium anode rods.
- **Insulation**—high density fiberglass insulation provides a thick blanket around the tank and combustion chamber for more heat retention and maximum fuel efficiency. (CF-70 model - 1" Non-CFC Foam insulation).
- **Factory installed dielectric waterway fittings**—for longer water heater life. Easier installation.
- **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 water heater tanks, which must withstand the wearing effects of high volume and high temperature water.
- **Factory installed Hydrojet® Total Performance System**—(CF-70 model only) cold inlet sediment reduction device helps minimize sediment build up in tank. Increases the efficiency and delivery of hot water while minimizing temperature build up at top of tank.
- **T&P relief valve**—provided with the RF model and factory installed with the CF model.
- **Brass drain valve.**
- **Installation**—occupies relatively little floor space and does not require a separate fuel oil storage tank when used in oil-heated residence or commercial building.
- **70 Gallon (265 Liter) Tank**
- **138,500 BTU/H (40kW) Input for CF-70 and up to 245,000 BTU/H (72 kW) Input for the RF-70.**
- **Three year limited warranty on steel tank**—heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **One year limited warranty on parts and burner.**
- **Certified by ULC. Burners are UL Listed.**

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; 6,684,821; 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. 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.

BURNERS  
  BURNERS  
CERTIFIED LISTED LISTED



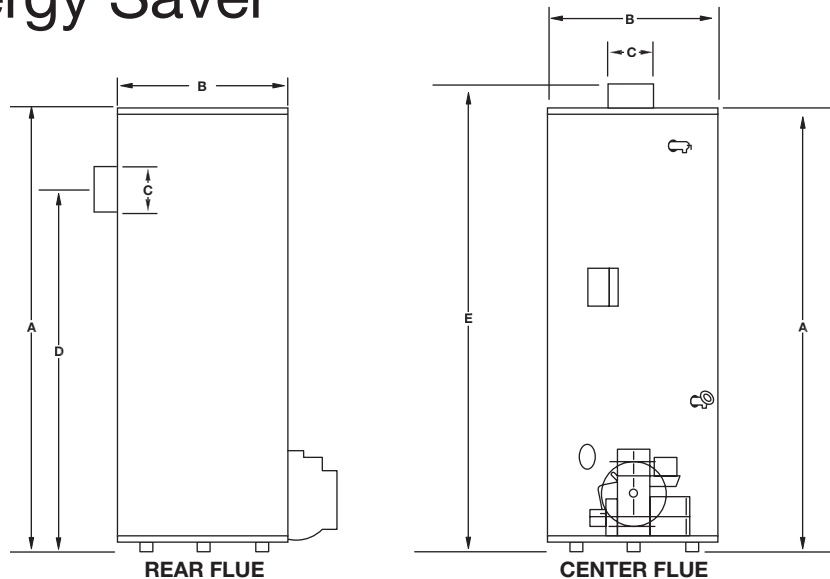
Photo is of CF-70-3

# Commercial Energy Saver Oil-Powered

## Energy Saving Oil-Powered Models

Meets ASHRAE Standard  
90.1b (Current Edition)  
Requirements.

Recovery Based on Thermal  
Efficiencies up to 78%



## Commercial Energy Saver Oil-Powered Models

Model Number	Imp. Gal. Cap.	U.S. Gal. Cap.	Liters	Max KW Input	Max Input BTU	Recommended Firing Rate GPH No. 2 Oil			Recovery 56°C. Rise/ 100°F. Rise			A		B	C	D	E	Approx. Shipping Weight† lbs. kg.					
						Imp. GPH	U.S. GPH	Liters/ Hr	Imp. GPH	U.S. GPH	Liters/ Hr	Height In.	mm.	Jacket Dia. In. mm.	Vent Size In. mm.	Floor to Flue Center In. mm.	Floor to Flue Conn. In. mm.						
CF-70-3	58	70	265	40.6	138,500	.83	1.0	3.8	107	128	484	64	1626	24	610	6	152	—	—	66¼	1695	290	132
RF-70-3	58	70	265	71.8	245,000	1.45	1.35/1.75	6.6	196	230	890	72	1829	28½	724	8	203	64	1626	—	—	410	186

CF = Center Flue

RF = Rear Flue

† The Burner and controls are not included with the CF and RF 70 gallon models. The available burners for these models are listed below: (The burner package includes the controls).

Valve and Control Tappings are ¾" (19mm)

Part Number	Description
239-44277-00	Aero Burner with Dual Aquastat for RF-70-3
228-44392-13	Beckett Burner with Dual Aquastat for RF-70-3
239-39751-09	Beckett Burner with Single Stage Pump for CF-70-3

RF models also approved with Carlin and Riello burners and can be vented through the wall using Tjernlund SS1 Power Venter.

### General

All Oil-Powered water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). The water connections for the CF-70-3 are 1" NPT (25 mm) on 11" (279 mm) centers and 1¼" (32mm) NPT front connections for the RF-70-3. All models meet or exceed the performance standard established under ASHRAE Standard 90.1b (current edition). All models approved for use with "L" vent and #2 fuel oil or lighter. Power supply is 60 cycle, 115 volt, single phase.

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

### 1-Year Limited Warranty on Component Parts

BRADFORD WHITE CORPORATION has a 1-year warranty on replaceable parts—thermostat, burner, controls, dip tube, drain valve. These quality components are manufactured for us by industry leaders and will be replaced in the event of failure during the parts warranty period (exclusive of shipping and re-installation cost.)§

### 3-Year Limited Tank Warranty

BRADFORD WHITE CORPORATION LIMITED WARRANTY: Protects your investment in a quality glass-lined water heater. If the tank leaks for reasons of faulty materials, workmanship, or corrosion within the warranty period, the heater will be replaced with a comparable heater of our manufacture (exclusive of shipping and re-installation cost.)§

§ Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater. Indicated warranties apply to USA, Canada, and Puerto Rico installations.

Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.  
©2005, Bradford White Corporation. All rights reserved.



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

International:  
Telephone/215-641-9400  
Telefax/215-641-9750

Fax on Demand:  
888-538-7833

[www.bradfordwhite.com](http://www.bradfordwhite.com)



Sales/Technical Support  
866-690-0961  
905-238-0100

Fax/905-238-0105

[www.bradfordwhitecanada.com](http://www.bradfordwhitecanada.com)