BRADFORD WHITE

BRUTE FT®

Floor Standing Boiler or Combination Boiler and Water Heater



Stainless Steel Fire-Tube Design

95% AFUE

Full 10:1 Modulation

First minute delivery at a 70°F rise at 6+ GPM (22.7 lpm)

Continuous delivery at a 70°F rise at 5.2 GPM (19.7 lpm)

Exclusive Shell and Coil Domestic Hot Water Heat Exchanger

10 Year Heat Exchanger Warranty

Industry's First Floor Standing Combi Boiler providing Heating and Domestic Hot Water Simultaneously

Exceptional Residential Heating and Hot Water to Meet the Demands of any Household

BRADFORD WHITE®
WATER HEATERS
Built to be the Best®

The Brute FT® Floor Standing Combi Series

Heat and Hot Water in One Space-Saving Package.

Bradford White provides simple, reliable solutions to heating and hot water needs. Designed with the homeowner and installer in mind, The Brute FT® Floor Standing Combi Boiler is the best option for any new or replacement application.



Top water, gas, and venting connections ensure ease of install while saving space that competitive boilers cannot.

The Brute FT® Floor Standing Combi Boiler is the first unit of its kind to provide heating and domestic hot water simultaneously.

Protective features including a mechanical mixing valve guarantee silent and accurate operation. Innovative Shell and Coil DHW Heat Exchanger design supplies instantaneous hot water quicker than the competition, while protecting the life expectancy of the boiler.

All Brute FT® Floor Standing Combi Boilers are backed by Bradford White's stress-free 10-Year Heat Exchanger Warranty.

The Brute FT® Floor Standing performs at an ultra-high efficiency of up to 95% AFUE (Annual Fuel Utilization Efficiency)

Brute FT® Series Domestic Hot Water Advantage.

The Brute FT® Floor Standing Combi Boiler's unique, integrated domestic hot water mini-indirect tank delivers stable hot water on demand. This design eliminates the "cold water sandwich" problem experienced with brands utilizing flat plate designs.

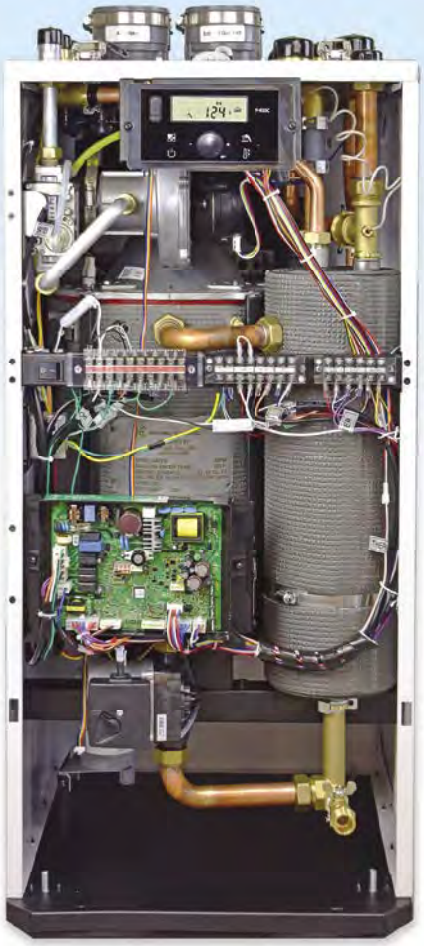
- Provides immediate response to demand
- Hot boiler water inside the tank provides immediate recovery
- Heated in a coiled, corrugated stainless tube contained in a heavily-insulated stainless tank
- Inside the tank, boiler water surrounds the domestic hot water coil keeping it hot at all times

The Brute FT® Floor Standing Combi Boiler easily and efficiently meets the space heating and hot water needs of today's modern homes.

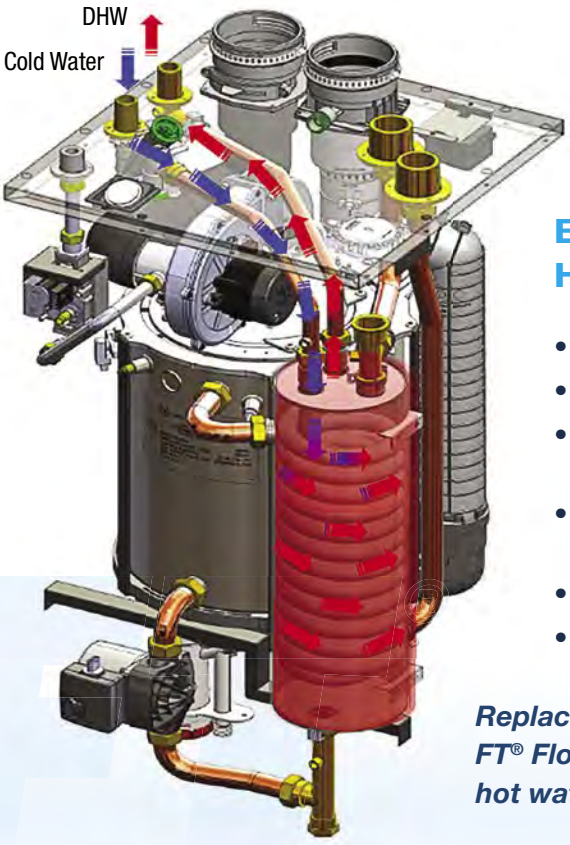


The Brute FT® Floor Standing Combi Series

Proven Innovation.



- Full modulation burner with full 10:1 turn down ratio matches heating loads to provide efficient and quiet response
- Durable stainless steel fire-tube heat exchanger offers longer life expectancy and superior heating performance
- All piping connections on top for easy installation
- Simple dial and set control functions
  - Built-in low loss header (no primary/secondary piping required)
  - Small, space-saving footprint
  - First combi boiler with dedicated recirculation
- Internal 120V power receptacle simplifies condensate pump installation
- Easy front access - No screws, securely hinged cabinet
- 3 removable side access panels
- Anti-scald mixing valve included with each combi boiler
- Leveling legs adjust for stability on uneven surfaces
- Integrated handles on sides of the cabinet for boiler placement
- Innovative design of intake air filter allows cleaning without opening the front cover



Brute FT® Series Shell & Coil DHW Heat Exchanger Technology.

- First minute delivery at a 70°F rise at 6+ GPM (22.7 lpm)
- Continuous delivery at a 70°F rise at 5.2 GPM (19.7 lpm)
- Approx. 1 Gal. (3.8 Liters) of stored hot water provides immediate hot water on demand
- First floor standing combi boiler to provide space heating and DHW simultaneously
- 40+ feet of stainless steel coil provide superior DHW performance
- Supplied (ASSE1017) thermostatic mixing valve

Replace your old boiler and water heater system with a Brute FT® Floor Standing Combi Boiler to satisfy your heating and hot water needs in a small, space-saving footprint.

The Brute FT® Floor Standing Combi Series

Specification	Units/Condition	Combi Boilers
		BFTCF199
Input, Max Fire	MBH *(kW)*	199 *(58)*
AHRI Cert. Heating Capacity	MBH *(kW)*	189,050 *(55)*
Weight, Unit	lbs. *(kg)*	151 *(68.5)*
H x W x D	Inches *(cm)*	38.25 x 17.9 x 19.6 *(97.2 x 45.5 x 49.8)*
Turndown	–	10:1
Heating "CH" Supply	NPT	1 1/2"
Heating "CH" Return	NPT	1 1/2"
DHW Outlet	NPT	3/4"
DHW Inlet	NPT	3/4"
DHW Flow Rate	35°F Rise - GPM *(l/m)*	9.9 *(38)*
	45°F Rise - GPM *(l/m)*	7.7 *(30)*
	70°F Rise - GPM *(l/m)*	5.28 *(20)*
	77°F Rise - GPM *(l/m)*	4.8 *(18)*
Minimum Flow Rate	GPM *(l/m)*	0.5 *(1.9)*
Gas Inlet	NPT	3/4"
Certified Efficiency	AFUE	95%
Condensate Line	Inches *(cm)*	1/2" *(1.3)*
Gas Supply Pressure	In WC	3.5 - 10.5" w.c. Natural Gas, 8-13" w.c. Propane
Pressure Relief Settings	psi *(kPa)*	30 *(307)*
Air Intake Collar	Inches *(cm)*	3 *(7.6)*
Exhaust Outlet Collar	Inches *(cm)*	3 *(7.6)*
Vent Diameter & Equivalent Length	Inches/ft. *(mm/m)*	2/50 *(51/15.2)* and 3/100 *(76/30.5)*
Vent Material	–	PVC, CPVC, Stainless Steel, Polypropylene
Fuel	–	Natural Gas or Propane (Propane conversion kit included)
Power Supply	Volts/Hertz	120/60
Warranty	–	Limited 10 year heat exchanger / 5 year parts

(Metric)

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

INCLUDED WITH BRUTE FT® FLOOR STANDING SERIES



Boiler Circulator (Installed) | 3 in 1 Brass Accessory Adapter | Automatic Air Elimination Vent | Pressure Relief Valve | Propane Conversion Kit | Anti-scald Mixing Valve | Air Intake Filter (Installed) | Outdoor Sensor

OPTIONAL INSTALLATION ACCESSORIES



DHW Recirculation Sensor (Combi Only)

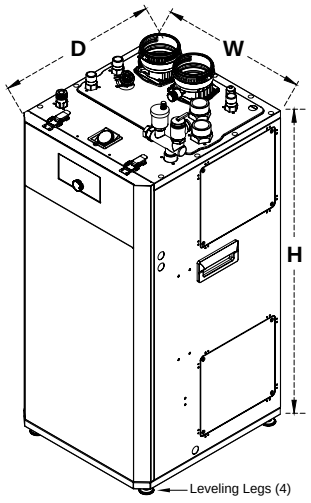
Condensate Neutralizer/Pump P/N FT3007

Concentric Stainless Steel Adapter Kit P/N FT3006

Concentric Polypropylene Adaptor Kit P/N FT3002

Low Profile Terminal – Flush Mount 2" (51mm) P/N CA010100 3" (76mm) P/N CA010101

Concentric Vent Terminal – Bazooka 2" (51mm) P/N 239-44069-02 3" (76mm) P/N 239-44069-01



BRADFORD WHITE WATER HEATERS
Built to be the Best

BRADFORD WHITE IS AMERICAN STRONG

For field service, contact your professional installer or local Bradford White sales representative.
Sales 800-523-2931 • Fax 215-641-1612
Technical Support 800-334-3393 • Email techserv@bradfordwhite.com
Warranty 800-531-2111 • Email warranty@bradfordwhite.com
International: Telephone 1-215-641-9400
Email international@bradfordwhite.com / www.bradfordwhite.com

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

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