

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

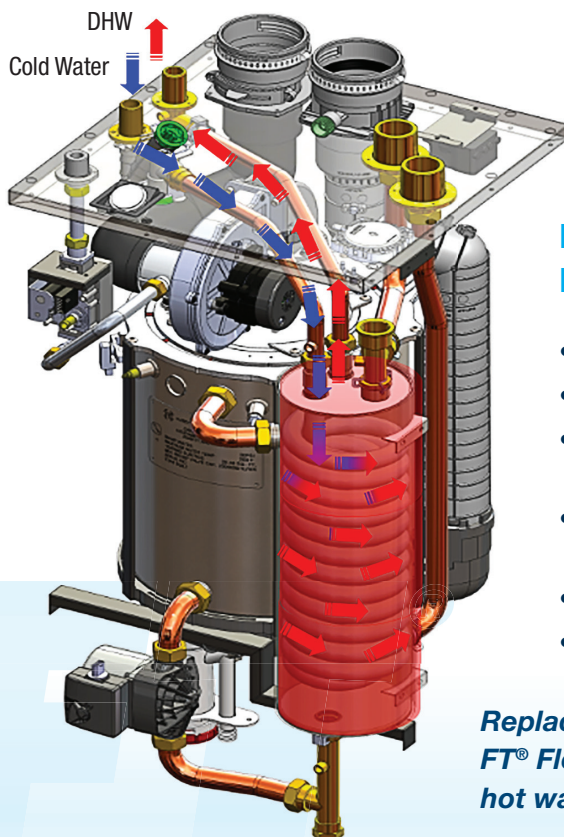
The Brute FT® Floor Standing Combi Boiler easily and efficiently meets the space heating and hot water needs of today's modern homes.



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)



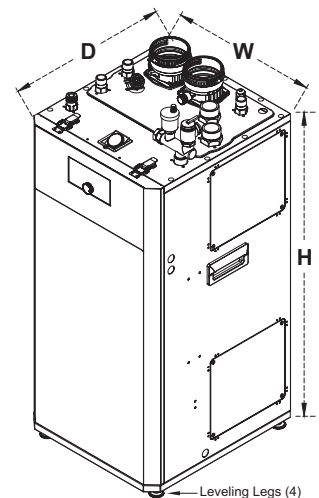
Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

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 415-44069-02 3" (76mm) P/N 415-44069-01 |



Built to be the Best®



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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