

CONSERVATIONIST® POWER VENT

APPROVAL RATINGS AND CERTIFICATION

- All models comply with: ANSI Z21.10.3/CSA 4.3 and ASHRAE/IES 90.1 – 2004
- Meets Texas and other low NOx areas requiring 40ng/j
- All models are approved for use in combined appliance applications.

CFC-FREE FOAM INSULATION

- Minimizes radiant heat loss.

DIP TUBE

- Carries inlet water deep into tank.

HOT SURFACE IGNITION

- Has a solid state ignition surface that does not flutter or blow out.
- Provides increased reliability and efficiency over spark ignition systems. Eliminates the pilot and saves energy.

USER-FRIENDLY

- State-of-the-art electronic gas control provides more precise temperature control.
- LED control light displays operation status and diagnostics information.

ENHANCED-FLOW BRASS DRAIN VALVE

- Have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a ¼ turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to the industry-standard glasslining.

STANDARDS

- Design-certified by CSA International, according to ANZI Z21.10.3 - CSA 4.3 standards governing storage-type water heaters.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.

POWERED VENTING

- Provides more venting flexibility and savings. A new quiet blower allows exhaust venting through the roof or sidewall with plastic pipe such as PVC, CPVC, ABS, and polypropylene.
- Up to 125 equivalent feet of pipe make installation easy in any situation.
- BTF-80 is a Category 3 (positive pressure non-condensing) appliance.

ANODES

- Tank-mounted, screw-in magnesium anodes for longer tank life.

HIGH INPUT

- 76,000 BTU input assures plenty of hot water is available by providing faster recovery rates and higher first hour draws.

BURNER

- High input, multiport burner for improved combustion efficiency and low NOx.

BUILT-IN CONDENSATE FITTING

- A condensate management coupling that attaches vent pipe to the blower is included.

INSTALLED TEMPERATURE & PRESSURE RELIEF VALVE

- Factory installed and matched to the heater. (Specify if your local code requires a special T&P).

MAXIMUM HYDROSTATIC WORKING PRESSURE 150 PSI

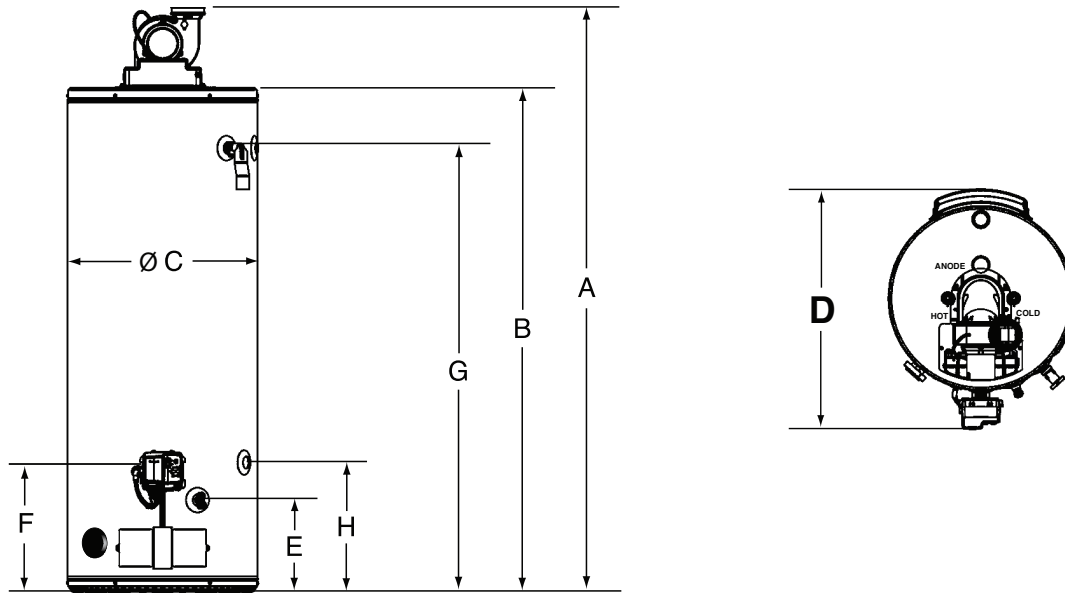
3-YEAR LIMITED TANK / 1-YEAR LIMITED PARTS WARRANTY

- For complete warranty information, consult written warranty or contact A. O. Smith.



**BTF-80
SERIES 210/211**





DIMENSIONS

Model Number	Units	A	B	C	D	E	F	G	H	Water Connections	Gas Connection	Approx. Shipping Weight
BTF-80	Inches	70-5/8	61-1/4	26	33-1/8	11	13-1/4	53	15-1/4	3/4" NPT	1/2" NPT	277 lbs
	cm	179	156	66	84	28	36	135	39			126 kg

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

RECOVERY CAPACITIES

U.S. GALLONS/HR. AND LITRES/HR. AT TEMPERATURE RISE INDICATED

Model Number	Input		Approx. Capacity		°F	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
	Btuh	kW	U.S. Gals.	Litres	°C	17°C	22°C	28°C	33°C	39°C	44°C	50°C	56°C	61°C	67°C	72°C	78°C
BTF-80	76,000		75		GPH	246	185	148	123	106	92	82	74	67	62	57	52
		22.3		280	LPH	932	699	559	466	400	350	311	280	254	233	215	200

Available in LP (Propane) gas

Can be installed up to 10,100 feet without alteration.

SAMPLE SPECIFICATION

Water Heater(s) shall be power vent model no. _____ as manufactured by A. O. Smith or an approved equal. Heater(s) shall be internally glasslined and gas-fired, equipped to burn _____ gas, and design-certified to the latest ANSI Standard by the CSA International. Rating of _____ Gallons and an input rating of _____ BTU/HR with a recovery capacity of _____ GPH at 100° F. Waters heaters must be certified for power venting applications using standard PVC, class 160, schedule 40, ABS or CPVC vent piping. The water heater shall include a 6' plug-in cord and provision for direct connection to standard electrical conduit. Blower shall include pressure switches which will shut down power to the burner in case of vent system failure due to down drafts or vent blockage. Heater shall have a maximum working pressure of 150 psi, and a nominal storage tank capacity of _____ gallons with a 3/4" relief valve opening. Heater(s) shall also be equipped with an automatic shut off device to shut off entire gas supply in event of excessive temperature in tank. Outer jacket shall have a baked enamel finish.

For technical information, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.