

### CONSERVATIONIST® 80 & 100

#### FULLY AUTOMATIC CONTROLS WITH SAFETY SHUTOFF

- Accurate, dependable control system requires no electric connections. Fixed automatic gas shutoff device for added safety. Maximum temperature setting is up to 181°F.

#### GREEN CHOICE® GAS BURNER

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/J.

#### ANODIC PROTECTION

#### PUSH-BUTTON PIEZO IGNITOR

- Makes lighting the pilot fast and easy with one-hand push-button spark ignition.

#### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

#### ENHANCED-FLOW BRASS DRAIN VALVE

- Designed for easy operation, this valve includes an integral screwdriver slot that features a 1/4 turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

#### STANDARDS AND CERTIFICATIONS

- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and Current Edition ASHRAE/IES 90.1.
- CSA certified and ASME rated T&P relief valve.
- Not recommended for sanitation rinse.

#### DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Listed according to ANSI Z21.10.3-CSA 4.3 standards governing storage tank-type gas water heaters.

#### MAXIMUM WORKING PRESSURE

- 150 psi.

#### MAXIMUM GAS INLET PRESSURE

- 14" W.C.

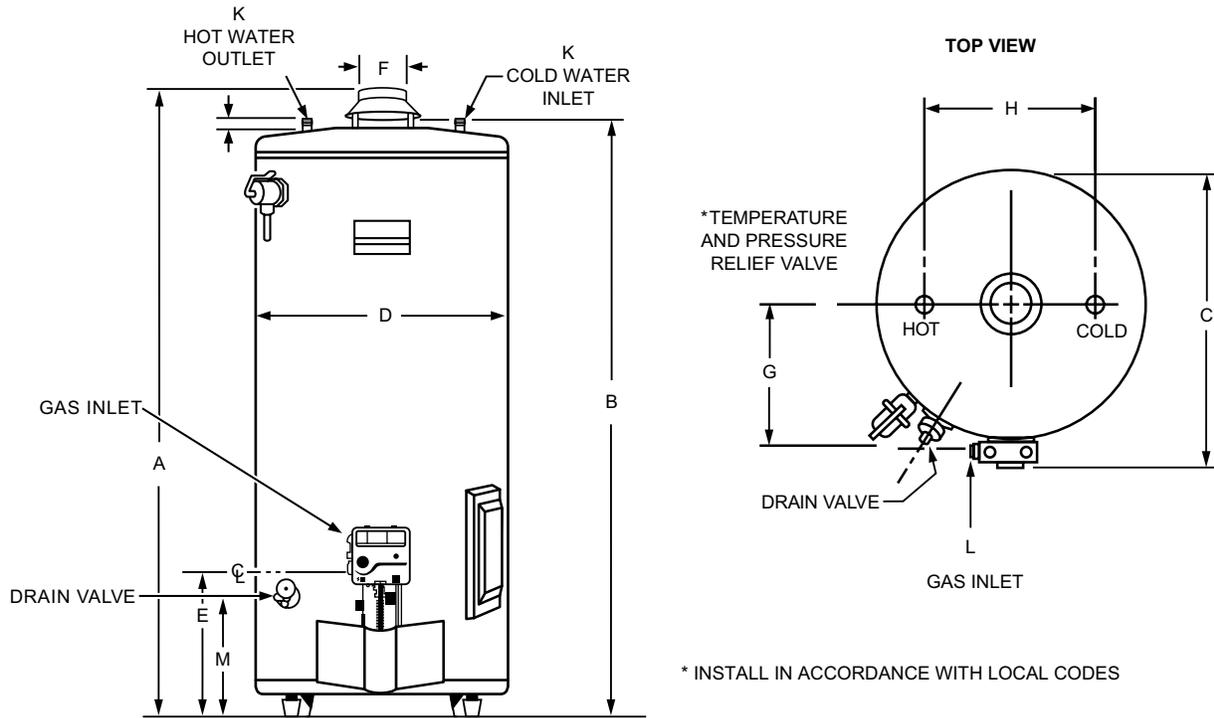
#### 3-YEAR LIMITED TANK / 1-YEAR LIMITED PARTS WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com)



BT-80 & BT-100





Model Number	Units	Dimensions											Approx. Shipping Weight		
		A	B	C	D	E	F	G	H	J	K	L	M	lbs	kg
BT-80	Inches	61-7/8	59-3/4	29-11/16	26-1/2	14	4	14-1/2	16	1-7/8	1	1/2	11-3/4	lbs	275
	CM	157.2	151.8	75.4	67.3	35.6	10.2	36.8	40.6	4.8	NPT	NPT	29.8	kg	124.7
BT-100	Inches	69-7/8	67-1/4	30-15/16	27-3/4	13-3/4	4	15-1/2	16	1-3/4	1-1/4	1/2	11-3/4	lbs	350
	CM	177.5	170.8	78.6	70.5	34.9	10.2	39.4	40.6	4.4	NPT	NPT	29.8	kg	158.8

Model Number	Capacity		Input Rating		Temperature Rise GPH (LPH)											
	Gallon	Litres	BTU/HR	kW/Hr.	30°F (17°C)	40°F (22°C)	50°F (28°C)	60°F (33°C)	70°F (39°C)	80°F (45°C)	90°F (50°C)	100°F (56°C)	110°F (61°C)	120°F (67°C)	130°F (72°C)	140°F (78°C)
BT-80	74	280	75,100	22	243 (916)	182 (686)	146 (550)	121 (456)	104 (392)	91 (343)	81 (305)	73 (275)	66 (249)	61 (230)	56 (211)	52 (196)
BT-100	98	371	75,100	22	243 (916)	182 (686)	146 (550)	121 (456)	104 (392)	91 (343)	81 (305)	73 (275)	66 (249)	61 (230)	56 (211)	52 (196)

For Propane, specify at time of order.

### SPECIFICATION

Water heater(s) shall be Model \_\_\_\_\_ as manufactured by A. O. Smith or an approved equal. Water heater(s) shall be of glasslined design, and equipped to burn \_\_\_\_\_ gas. The gas-fired water heater shall be design certified by Underwriters Laboratories Inc. under American National Standard/CSA Standard for Gas Water Heaters ANSI Z21.10.3/CSA 4.3 (current edition) and shall be approved by the Underwriters Laboratories to NSF Standard 5 (with optional leg kit). Heaters must meet all applicable energy codes. Heaters shall have an input rating of \_\_\_\_\_ BTU/H and a recovery capacity of 73 GPH at a temperature rise of 100°F with a storage capacity of \_\_\_\_\_ gallons. Heater shall be equipped with a 2-3/4" x 3-3/4" boiler-type handhole cleanout and shall have a working pressure of 150 psi. Heater(s) shall be provided with an automatic gas shutoff device and safety shutoff in the event the pilot flame is extinguished; a gas pressure regulator set for the type of gas supplied; an approved draft diverter, and extruded anode rod rigidly supported for cathodic protection. A CSA Certified and ASME Rated T&P Relief Valve shall be furnished and installed by the manufacturer. The tank shall be foam insulated. The outer jacket shall have a baked enamel finish over a bonderized undercoating. All internal surfaces of the heater exposed to water shall be glasslined with an alkaline borosilicate composition that has been fused-to-steel by firing at a temperature range of 1400° to 1600°F. Heater tank shall have a three year limited warranty against corrosion and tank failure due to sediment build-up as outlined in the written warranty. Operation of the heater in a closed system where thermal expansion has not been compensated for with a properly sized expansion tank will void the warranty. Fully illustrated instruction manual and parts list to be included.

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