



COMMERCIAL GAS MASTER-FIT® BTR

Designed with Flexibility in Mind

- Ideal in new construction and replacement applications
- Multiple water connections
- Low installation clearances

The ELIMINATOR™ Self-Cleaning System

- Directs incoming water to sweep the bottom of the tank to keep sediment from accumulating
- Reduced sediment build-up helps maintain thermal efficiency and reduce water-heating costs
- Helps prolong tank life

Factory-Installed Draft Diverter and Flue Damper

- Low-profile draft diverter helps for installation in tight spaces
- Automatic motorized flue damper helps minimize standby heat loss
- BTR-500 Uses Draft Inducer design

Three Water Connection Options

- Hot and cold water connections can be made through front, top or rear of unit
- The Eliminator™ system operates when cold water is connected through front

PERMAGLAS® ULTRA COAT™ Glasslining

- Exclusive process provides superior protection against corrosion

CoreGard™ anode rods with stainless steel core provide additional corrosion protection

Intermittent Electronic Ignition

- Eliminates standing pilot, saves energy
- Includes power ON/OFF switch
- Provides flame failure response in less than one second

Meets the Thermal Efficiency and Standby Loss Requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IES90.1

CSA Certified and ASME rated T&P Relief Valve, Factory-Installed

Maximum Hydrostatic Working Pressure: 160 psi

Fully Automatic Control System

- Manual-reset gas shutoff device prevents excessive water temperature
- Electric temperature control for precise temperature regulation adjustable 120°F–180°F
- Gas pressure regulator and pilot filter

Handhole Clean Out

- Allows easy access to tank interior for cleaning

3-Year Limited Tank and 1-Year Limited Parts Warranty

- For complete information, consult written warranty or go to hotwater.com

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MASTER-FIT® BTR (CONTINUED)

Model Number	Gallon Capacity	BTU/H Input	Recovery GPH Temperature Rise			Dimensions in Inches		Approx. Shipping Weight (lbs)	
			40°F	100°F	140°F	Height	Diameter	Standard	ASME
BTR-120*	71	120,00	291	116	83	69.75	27.5	400	N/A
BTR-154	81	154,000	373	149	107	67.5	27.5	470	N/A
BTR-180	81	180,000	434	174	124	67.5	27.5	470	N/A
BTR-197	100	199,000	482	193	132	75	27.5	603	N/A
BTR-198	100	199,000	482	193	132	75	27.5	603	N/A
BTR-199	81	199,000	461	184	132	67.5	27.5	470	N/A
BTR-200(A)	100	199,000	482	193	132	72	30.25	630	725
BTR-250(A)*	100	250,000	606	242	173	72	30.25	630	725
BTR-251(A)*	65	251,000	608	243	174	75	27.75	750	862
BTR-275(A)*	100	275,000	667	267	190	72	30.25	630	725
BTR-305(A)	65	305,000	739	296	211	75	27.75	750	862
BTR-365(A)	85	365,000	885	354	253	79.5	27.75	725	833
BTR-400(A)	100	390,000	970	388	277	75.5	30.25	760	874
BTR-500(A)	85	500,000	1212	485	346	81.5	27.75	812	857

Specify when ordering propane (LP) gas.

*Model BTR 120 is shipped with 6" x 5" flue outlet adapter. Models BTR 250, 251 and 275 are shipped with a 8" x 6" flue outlet adapter.

Standard models certified from sea level to 2,000 ft. elevation. Order SMR S54 for elevations up to 8,000 ft.

BTR-500 model features induced draft design and no damper.

"A" in the model number indicates optional ASME construction. e.g. BTR-500A