

The A. O. Smith BTPD Models Feature All Stainless Steel Tank Construction And Are Designed For Heating Deionized Water. The Tank And Other Wetted Components Are Suitable For Deionized Water.

These units are designed for industrial and process water applications and are not recommend normal potable water heating applications. For potable water heating applications A.O. Smith designs and builds a long list of other models to choose from. This is a process water heater producing non-potable water, and therefore does not need to meet current edition ASHRAE/IESNA 90.1 or C.E.C. energy guidelines.

FEATURES

POWERED GAS BURNER

- Suitable for natural or propane gas (specify when ordering). Powered burner has electronic flame safeguard control with intermittent spark ignition. Also included are main and pilot automatic gas valves, plus gas pressure regulators.

FULLY AUTOMATIC CONTROLS WITH SAFETY SHUTOFF

- High temperature limit control (manual reset). CSA Certified and ASME rated T&P relief valve. Hinged door control compartment for ease of access. Two thermostats, upper and lower, for accurate temperature control. Entire unit UL listed (File No. MH11631).

STAINLESS STEEL TANK

- Tank and wetted components suitable for deionized water

STANDARD DESIGN PRESSURE

- 160 PSI working pressure on all models

JACKET

- Is of heavy gauge steel with premium powder coat baked enamel finish

OTHER FEATURES

- Two layers of high temperature ceramic fiber insulation in combustion chamber
- Flame inspection port opening
- Mounted on rugged channel iron skids
- Barometric draft regulator
- 120 volt control circuit
- Redundant solenoid gas valve

THREE-YEAR LIMITED TANK WARRANTY

- **Factory Start-Up included** - Required for activating warranty and assuring maximum operating performance. Contact your local sales representative or Authorized Start-Up Agent to arrange a FREE Certified Start-Up.
- For complete warranty information, consult written warranty shipped with water heater or contact A. O. Smith

BTPD-140 through BTPD-199



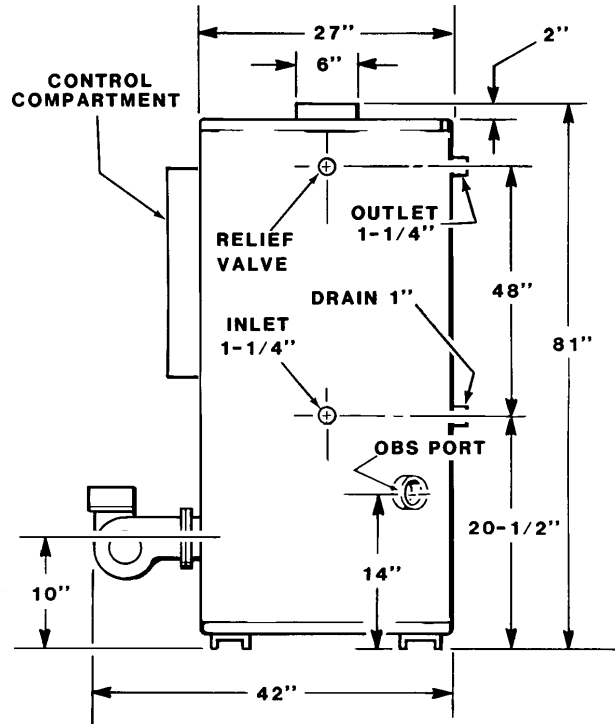
ASME/CRN



GAS FIRED



DIMENSIONS FOR NATURAL AND POPANE GAS



SHIPPING WT. 615 LBS.

Models	Storage Capacity U.S. Gallons	Input Rating BTU/HR.	Recovery Capacity GPH 80°F Rise	Recovery Capacity GPH 100°F Rise	Recovery Capacity GPH 140°F Rise	Motor HP 120V60Hz1 0
BTPD-85-140	85	140,000	168	134	96	1/12 HP/2.2 Amps
BTPD-85-199	85	199,000	239	191	137	

Maximum supply gas pressure 14" W.C. A negative draft of —.02" to —.07" W.C. is required in vent piping.

SUGGESTED SPECIFICATION

Water heater(s) shall be Model _____ as manufactured by A. O. SMITH or equal. Water heater(s) shall be type 316L stainless steel and include a powered gas burner with electronic flame safeguard, intermittent ignition, redundant automatic gas valve, gas pressure regulator and flame inspection port. Maximum supply gas pressure to heater 14" W.C. Heater(s) shall have an input rating of _____ and a recovery rating of _____ GPH at a temperature rise of 100°F with a minimum actual storage capacity of 85 gallons. Heater(s) shall be equipped with 1/4" NPT water inlet and outlet openings, shall have a working pressure of 160 PSI, and listed by Underwriters Laboratories. Controls shall include: high temperature limit control (manual reset), upper and lower thermostats, CSA Certified and ASME Rated T&P Relief Valve, and draft regulator. Control compartment door shall be hinged for easy access. The heater(s) shall be insulated with a vermin-proof glass fiber insulation or equal. This is a process water heater producing non-potable water, and therefore does not need to meet current edition ASHRAE/IESNA 90.1 or C.E.C. energy guidelines. The outer jacket shall have a premium powder coat baked enamel finish. Heater(s) tank shall have a 3 year limited warranty against corrosion as outlined in the written warranty.