A 211.0
Revised February 2000

Meets or exceeds the requirements of ASHRAE 90.1b-1992 Standard for energy efficiencies.

FEATURES

GLASS-LINED TANK - Three sizes; 52, 80 and 119 gallon capacity. Tank interior is coated with glass specially developed by A.O. Smith Ceramic Research for water heater use. Tanks rated at 150 psi (1034 kPa) working pressure (ASME 150 psi). Foam insulation reduces costly heat loss, and is vermin proof.

ELEMENTS - Incoloy sheathing for longer life. Low watt density; means lower surface temperature to minimize scale buildup and more surface to heat water. Element sizes from 3 to 6 Kw. Use 3, 6 or 9 elements standard; total of 9 to 54 Kw input (see chart on back).

FUSING - Protects all elements, thermostats, and internal wiring circuits against excess current flow. Meets National Electric Code requirements that non-ASME tanks must have internal fusing when current draw exceeds 48 amps. requirements.

STANDARD VOLTAGES - 208, 240 and 480V single-phase and three-phase delta. Convertible from three-phase to single-phase (in field) and vice versa. 277V single-phase also available.

TERMINAL BLOCK - Factory installed. Just bring the service to the heater and connect to block.

CONTROLS - One temperature control (adjustable through a range of 120° to 180°F) and manual reset high temperature cutoff per element. Thermostat step control may be achieved by varying settings on individual temperature controls. Located behind hinged control compartment door for quick, easy access.

OTHER STANDARD FEATURES

• Simplified circuitry, color coded for ease of service • Two anode rods for maximum corrosion protection • Cabinet has bonderized undercoat with baked enamel finish • Bottom inlet and top outlet openings • Brass drain valve • A.G.A./ASME temperature and pressure relief valve • Single panel control box.

OPTIONAL

• U.L listed conversion kits to correct some voltage and Kw requirements in the field before and after installation • Manifold kits with gate valves - available for multiple installation • ASME 150 psi tank construction • International voltages - 380, 415 and 480 volts, three-phase available with Y connected elements • Field conversion kits for voltage and Kw.

GOLDENROD ELEMENTS - All DRE models are available with the Goldenrod 24K gold plated elements (patent pending). Goldenrod elements provide long life and 6 times the scaling resistance of standard incoloy elements. Goldenrod elements carry a three-year warranty against failure due to lime scale build-up.

LIMITED WARRANTY OUTLINE

If the tank should leak any time during the first three years, under the terms of the warranty, A.O. Smith will furnish a replacement heater; installation, labor, handling and local delivery extra. **THIS OUTLINE IS NOT A WARRANTY.**

For complete information, consult the written warranty or A. O. Smith Water Products Company.
SUGGESTED SPECIFICATIONS

The heater(s) shall be Dura-Power Commercial Electric Model Number_________________as manufactured by A.O. Smith or an approved equal. Heater(s) shall be rated at ______________KW,________volts, _____________phase, 60 cycle AC, and listed by Underwriters' Laboratories. Tank(s) shall be __________ gallon capacity. Heater(s) shall have 150 psi working pressure and be equipped with extruded high density anode. All internal surfaces of the heater(s) exposed to water shall be glass-lined with an alkaline borosilicate composition that has been fused-to-steel by firing at a temperature range of 1400°F to 1600°F. Electric heating elements shall be low watt density with incoloy sheath and 1" screw-in type. Each element shall be controlled by an individually mounted thermostat and high temperature cut-off switch. All internal circuits shall be fused. The outer jacket shall be of baked enamel finish and shall be provided with full size control compartment for performance of service and maintenance through hinged front panel and shall enclose the tank with foam insulation. Electrical junction box with heavy duty terminal block shall be provided. The drain valve shall be located in the front for ease of servicing. Heater tank shall have a three year limited warranty as outlined in the written warranty. Manufacturer shall supply ASME rated temperature and pressure relief valve. Fully illustrated instruction manual to be included.