

**Suggested Specification**

Enter the Model/BTU and Capacity and Recovery Rate that applies to the OptiTherm You Selected

The WATER HEATER shall be a BOCK *optiTHERM®* Model **ODOT125N** with a modulating burner of **125,000** BTU/Hr. rated input that can fully modulate to a low input of **60,000** BTU/HR with up to **97%** Thermal Efficiency. The WATER HEATER shall operate on Natural Gas and have integrated storage capacity of **100 Gallon**, have a recovery rating of **451** gallons per hour at a 100°F rise, and, be approved for an operating temperature of 180°F.

The WATER HEATER shall be constructed with a three-pass heat exchanger integrated within the water storage vessel, hat shall consist of a two-pass Turboflue® helical fin heat exchanger with third-pass condensing tubes. The water storage vessel side walls shall be fabricated from 12-gauge or thicker steel and all water contact surfaces of the vessel and heat exchanger shall have a glass lining fired to 1500°F to ensure a molecular fusing of glass and steel. The water storage vessel and integrated heat exchanger shall have a FIVE-YEAR warranty against leaks.

The WATER HEATER shall have an impressed current cathodic protection system that continuously monitors water-conductivity to provide corrosion protection commensurate to water quality – sacrificial anode rods are expressly prohibited.

The WATER HEATER shall be certified by SCAQMD for Oxides of Nitrogen (NOx) of 20 ppm or less at 3% O2; and, shall be certified by Underwriter’s Laboratories (UL) to comply with ANSI Z21.10.3 – CSA 4.3 standards for the United States and Canada and shall meet ASHRAE/IESNA 90.1.

The WATER HEATER shall have a LCD user interface for set-up, operating status, diagnostics and display of set-point temperature.

The WATER HEATER shall be listed UL listed to ANSI Z21.10.3- CSA 4.3 for commercial gas fired water heaters suitable for outdoor installations.