



ProMax® ULTRA-LOW NOx

A. O. Smith Ultra-Low NOx heaters utilize an innovative burner system, a combination of radiant heat and excess air to satisfy Air Quality Management Districts with the requirements of less than 10ng/j for ultra-low NOx emissions.

INTELLIGENT CONTROL LOGIC

The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance.

SELF-POWERED ELECTRONIC GAS VALVE

Uses a Thermopile to generate the power needed to operate the electronics.

DIAGNOSTICS

The electronic gas control incorporates an LED status indicator that monitors system operation & service diagnostics.

FVIR COMPLIANT

Equipped with a flame arrestor that provides smooth ignition and ensures that in the event of accidental exposure to flammable vapors, the vapors are safely combusted inside the sealed chamber.

DYNACLEAN™ II DIFFUSER DIP TUBE

Helps reduce lime and sediment buildup, maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

COREGARD™ ANODE ROD

A. O. Smith's exclusive aluminum anode has a stainless steel core, protects tank against corrosion longer versus ordinary steel anodes.

ENHANCED GREEN CHOICE® GAS BURNER

Comprised of inconel alloy and stainless steel ensures long life and exceptional safety.

PUSH-BUTTON PIEZO IGNITOR

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

SIMPLIFIED INSTALLATION

Can be easily installed in the same location as the previous water heater, no special venting or electrical power is required.

DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE

PERMAGLAS® GLASS COATING

Protects steel tank from corrosion.

CSA/ASME CERTIFIED T&P RELIEF VALVE

Top-mounted T&P Relief Valve available as option.

CODE COMPLIANCE

UBC, CEC, SBCC, CABO, HUD, BOCA National Codes. Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition ASHRAE/IESNA 90.1. Meets the Federal Energy Efficiency Standards effective January 20, 2004, according to the National Appliance Energy Conservation Act (NAECA) of 1992.

DESIGN-CERTIFIED BY CSA INTERNATIONAL

According to ANSI Z21.10.1 - CSA 4.1 Standards governing storage-type water heaters.

6-YEAR LIMITED TANK AND PARTS WARRANTY

For complete information, consult written warranty



200 Series Model Shown



ProMax® ULTRA-LOW NO_x

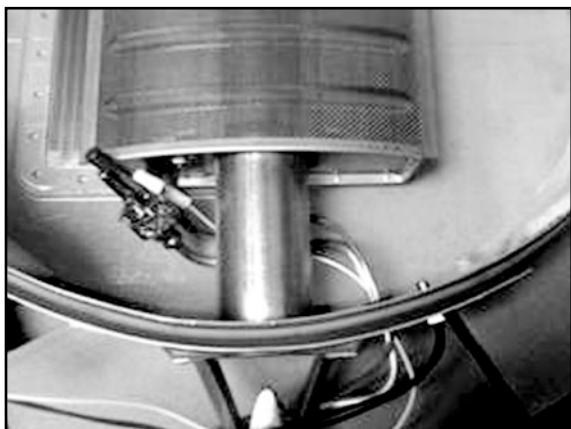
MODEL NUMBER	SERIES	FIRST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL¹	RECOVERY 90°F RISE GALLONS PER HOUR	R VALUE	DIMENSIONS IN INCHES						VENT CONNECTION (INCHES)	APPROXIMATE SHIPPING WEIGHT (LBS)
								A	B	C	D	E	F		
TALL MODELS															
GCNH-30	200	50	.61	30	30,000	31	8	59-7/8	56-3/8	16	13	8	48-1/2	3 or 4	105
GCNH-40	200	65	.59	40	40,000	41	8	62-1/8	58-5/8	18	13	8	50-3/4	3 or 4	129
GCNH-50	200	75	.58	50	40 000	41	8	60-7/8	57-3/8	20	13	8	49-1/2	3 or 4	151
GCNT-50*	200	90	.59	50	50,000	52	16	64	60	22	11-1/2	8	53-1/4	4	178
GNR-40	200	70	.62	40	40 000	41	16	61-7/8	58-3/8	20	13	8	50-3/4	3 or 4	138
GNR-50	200	75	.62	50	40 000	41	16	60-7/8	57-3/8	22	13	8	49-1/2	3 or 4	160

Recovery capacity based on actual performance tests.

Water Connections – 3/4" on all models.

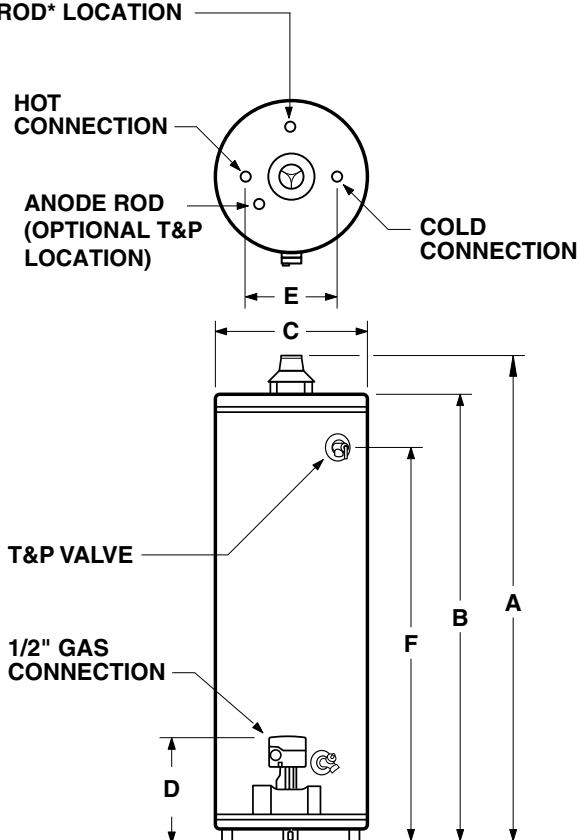
All models may be ordered from the factory with top T&P.

*GCNT-50 comes standard with side tap connections for optional hydronic heating loop applications. Plugs are supplied loose and must be installed at installation if side taps are not used.



- Burner system complies with 10ng/j Ultra-low NO_x SCAQMD requirements.
- Burner screen acts as a secondary flame arrestor in the event of accidental exposure to flammable vapors.
- If flammable vapors accidentally enter the combustion chamber, the flame trap and burner are designed so flames burn off inside the chamber and cannot escape outside of the heater.

OPTIONAL ANODE ROD* LOCATION



Maximum Hydrostatic Working Pressure: 150 PSI.