

## ProMax® ULTRA-LOW NOx

### New Ultra-Low NOx Burner System

The innovative A. O. Smith burner system utilizes 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.

#### FVIR TECHNOLOGY

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™ 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.

#### DIRECT REPLACEMENT

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 CERTIFIED AND ASME RATED T&P RELIEF VALVE

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

#### CODE COMPLIANCE

UBC, CEC, SBCC, CABO, HUD, BOCA National Codes. Meets or exceeds the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition ASHRAE/IESNA 90.1. Meets or exceeds the Federal 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 or A. O. Smith Water Products Company.



# ProMax® ULTRA-LOW NOx

MODEL NUMBER	FIRST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL†	RECOVERY 90°F RISE GALLONS PER HOUR	R VALUE	DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROXIMATE SHIPPING WEIGHT (LBS)
							A	B	C	D	E	F		
<b>TALL MODELS</b>														
GCNH-30	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	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	75	.58	50	40,000	41	8	60-7/8	57-3/8	20	13	8	49-1/2	3 or 4	151
GNR-40	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	75	.60	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.

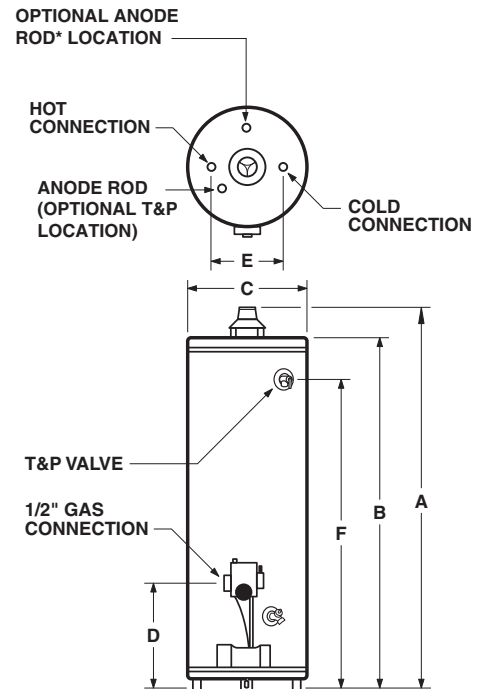
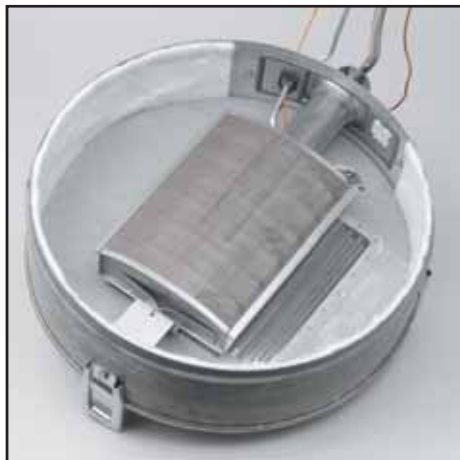
All models may be ordered from the factory with top T&P.

GNR-40 Models are ENERGY STAR® Qualified



- Burner System Meets The New 10ng/j ultra-low NOx requirements.
- Burner assembly includes a site glass view port which allows for easy viewing of the pilot assembly.

- Burner components subjected to rigorous testing to ensure long life.
- Burner screen acts as a secondary flame arrestor in the event of accidental exposure to flammable vapors.



Maximum Hydrostatic Working Pressure: 150 PSI.