

ProMax®



ATMOSPHERIC VENT

INTELLIGENT CONTROL LOGIC

- The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance.
- Uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source.
- The electronic gas control incorporates an LED status indicator that monitors system operation and service diagnostics.
- *Not available on 60,000 BTU input models (GCRX-50 and GCRX-55).

GREEN CHOICE® GAS BURNER

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/J.

DYNACLEAN™ DIFFUSER DIP TUBE

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

COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

PUSH-BUTTON PIEZO IGNITOR

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

HEAT TRAP NIPPLES

- Factory-installed for faster installation.

BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

ENHANCED FLOW BRASS DRAIN VALVE

- Our residential water heaters have a solid brass, tamper resistant, enhanced flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a 1/4 turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes.
- Meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and current edition of ASHRAE/IESNA 90.1.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended.

HIGH ENERGY FACTORS

- Eco-Friendly non-CFC foam insulation, external heat traps and specially designed combustion chamber combine to produce a high Energy Factor for maximum savings on operating costs.

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

MAXIMUM HYDROSTATIC WORKING PRESSURE 150 PSI

DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Certified at 300 PSI test pressure and 150 PSI working pressure. Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type water heaters.

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or A. O. Smith.



Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	BTU Input Natural Gas	BTU Input Propane Gas	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches								Draft Hood	Approx. Shipping Weight (lbs)
							A	B	C	D	E	F	*G	*H		
TALL MODELS																
†GCB-30	30	64	0.63	35,500	32,000	36	61-3/4	58	16	12-1/4	8	51-3/4	N/A	N/A	3 to 4 combo	132
GCR-30	30	67	0.63	35,500	32,000	36	61-3/4	58	18	12-1/4	8	51-3/4	N/A	N/A	3 to 4 combo	123
†GCB-40	40	70	0.62	40,000	36,000	41	62	58-1/4	18	12-1/4	8	52	N/A	N/A	3 to 4 combo	158
GCR-40*	40	70	0.62	40,000	36,000	41	62	58-1/4	20	12-1/4	8	52	14-1/4	51-3/4	3 to 4 combo	150
GCRH-40	40	67	0.62	35,500	N/A	36	62	58-1/4	20	12-1/4	8	52	N/A	N/A	3 to 4 combo	150
GCRT-40*	40	75	0.62	50,000	N/A	51	62	58-1/4	20	12-1/4	8	52	14-1/4	51-3/4	4	150
GCG-50*	50	88	0.60	40,000	37,000	41	60-3/4	57-1/4	21	12-1/4	8	50 1/2	14-1/4	50-1/2	3 to 4 combo	148
GCR-50*	50	88	0.62	40,000	37,000	41	60-3/4	57-1/4	22	12-1/4	8	50-1/2	14-1/4	50-1/2	3 to 4 combo	165
GCRT-50*	50	92	0.60	50,000	45,000	58	60-3/4	57-1/4	22	12-1/4	8	50-1/2	14-1/4	50-1/2	4	165
†GCRX-50*	50	98	0.60	60,000	54,000	61	65-1/2	61	22	13-1/2	8	54-1/4	14-1/4	50-1/4	4	190
GCRX-55*	55	103	0.59	60,000	54,000	61	60	55-1/2	24	13-1/2	8	48	14-1/4	48	4	189
SHORT MODELS																
†GCB-30	30	62	0.63	35,500	32,000	36	50	46-1/4	18	12	8	40	N/A	N/A	3 to 4 combo	110
GCRL-30	30	64	0.63	35,500	32,000	36	50	46-1/4	20	12	8	40	N/A	N/A	3 to 4 combo	118
†GCB-40	40	69	0.62	40,000	36,000	41	51-1/2	47-3/4	20	12	8	41-1/4	N/A	N/A	3 to 4 combo	134
GCRL-40	40	70	0.62	40,000	36,000	41	51-1/2	47-3/4	22	12	8	41-1/4	N/A	N/A	3 to 4 combo	135
GCRL-50	50	93	0.60	40,000	40,000	41	53	49-1/4	24	12	8	41-3/8	N/A	N/A	3 to 4 combo	177

Recovery capacities based on actual performance tests.

Water connection is 3/4" on all models

†Models ship with supplied insulation blanket.

For 10-year tank and 6-year parts warranty, change "G" to "X" in model number (example: XCR-30).

LP models not available on GCRH-40 and GCRT-40.

*For optional side-mounted recirculating taps, add "L" to the suffix (example: GCR-40L).

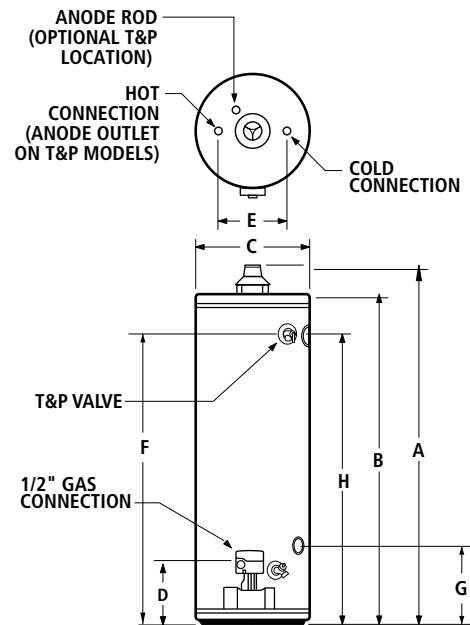
All models approved for installation from sea level to 10,100 ft. elevation.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

FLAMMABLE VAPOR IGNITION RESISTANT (FVIR) WATER HEATERS

A. O. Smith FVIR design meets the American National Standards Institute standards (ANSIZ21.10.1-CSA 4.1) that deal with the accidental or unintended ignition of flammable vapors, such as those emitted by gasoline.

Features a sealed combustion chamber with intake air filter and a flame arrestor built into the water heater base. In addition, a thermal cutoff (TCO) device, is designed to shut off gas flow to the burner and pilot if poor combustion is detected.



Maximum Hydrostatic Working Pressure: 150 PSI