

# Essential<sup>®</sup>

Essential Heavy Duty gas water heaters exceed ANSI standards for flammable vapor ignition resistance

## EFFICIENCY

- Recovery Capacity: 72.8 gallons per hour (delivers approximately 119 gallons of hot water in the first hour for 75-gallon models and 142 gallons for 98-gallon models)\*\*

## FLAMMABLE VAPOR DETECTION SYSTEM

- Exclusive air/fuel shut-off device for double protection
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation

## EASY TO LIGHT

- Piezo Ignitor – no matches required

## LOW EMISSIONS

- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements

## HIGH ALTITUDE COMPLIANT

- All models are certified for applications up to 8,500 feet above sea level

## PLUS...

- Quality anode rod helps protect against tank corrosion
- Temperature and pressure relief valve included
- Low lead compliant
- Side water connections for space heating applications
- Standard replacement parts

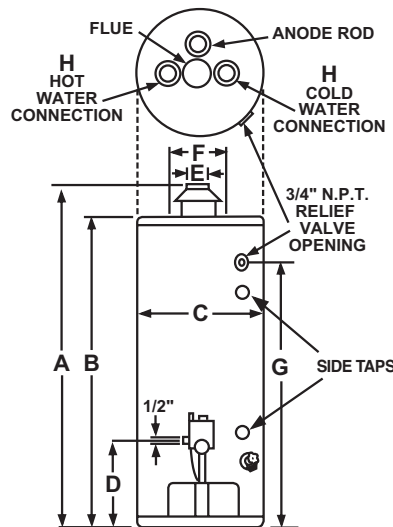
## WARRANTY

- 6-Year limited tank and parts warranty, 2-year limited labor warranty\*

\*See Warranty Certificate for complete information

**Efficiency** | All models tested according to ANSI test procedures, and meet or exceed the thermal efficiency and standby loss requirements of current ASHRAE standard (EPact). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

**Safety and Construction** | Design certified by CSA: For operation at 160 degrees; meets all safety and construction requirements of ANSI Z21.10.3; as an automatic storage or instantaneous water heater; as an automatic circulating tank water heater; and for operation on combustible floors and in alcove installations. All models are North Carolina Code compliant. **Certified for 150 PSI maximum working pressure.**



Essential Heavy Duty  
75 and 98-Gallon Capacities  
75,100 BTU/h  
Natural and LP Gas



DESCRIPTION				FEATURES														ENERGY INFO.
TYPE	NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 100° F RISE**		FIRST HR. DELIVERY G.P.H.	HT. TO VENT A	TANK HEIGHT B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CENTER F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP WEIGHT (LBS)	UNIFORM ENERGY FACTOR (UEF)
				NAT.	LP	NAT.	LP											
Tall	75	73	6G75-76F	75.1	—	72.8	—	119	64	60	26-1/4	14-3/4	4	11	53-1/4	1	320	0.63
Tall	75	73	6G75-76PF	—	75.1	—	72.8	119	64	60	26-1/4	14-3/4	4	11	53-1/4	1	320	0.63
Tall	98	93	5V100F-76N	75.1	—	72.8	—	142	67-7/8	64	28-1/4	14-7/8	4	11	57-3/16	1	350	0.58
Tall	98	93	5V100F-76P	—	75.1	—	72.8	142	67-7/8	64	28-1/4	14-7/8	4	11	57-3/16	1	350	0.58

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.

\*\*Recovery Capacity is based upon a 100° F water temperature rise and calculated per ANSI Z21.10.3 standards.

• 160° F Max. temperature setting.

In keeping with its policy of continuous progress and product improvement, Richmond reserves the right to make changes without notice.

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**Richmond**  
The Water Heater Experts™