

# Essential

Essential Direct Vent gas water heaters use outside air for combustion, offer longer venting options and a coaxial vent for easy installation

## EFFICIENCY

- .56 - .61 UEF
- Well insulated for reduced stand-by heat loss

## PERFORMANCE

- FHR: 66 - 79 gallons depending on model
- Recovery: 30.3 to 36.4 GPH at a 90° F rise, depending on model

## TECHNOLOGY

- Adjustable coaxial vent allows flexibility of installation, can swivel 360 degrees and uses outside air for combustion and requires no electrical power
- Aluminum vent and cap base to prevent staining of building exterior

## LONGER VENTING

- Up to 4 feet above the water heater and 4 feet from an outside wall
- Order Horizontal Vent Kit: #SP20131
- Order Vertical Vent Kit: #SP20132

## ALTITUDE CERTIFICATION

- All models certified up to 5,999 ft. above sea level

## LOW EMISSIONS

- Meets 40 ng/J NOx requirements

## LONGER LIFE

- Premium grade anode rod provides long-lasting tank protection

## PLUS...

- Temperature and pressure relief valve included
- Low lead compliant
- Specially formulated glass lining prevents corrosion and extends the life of the tank
- Heat saving flue baffle design
- Gas control and combination thermostat
- Piezo ignition
- High temperature silicone bands reduce venting installation time
- Internal air tube for reduced footprint
- EverKleen™ patented system fights sediment build-up

## WARRANTY

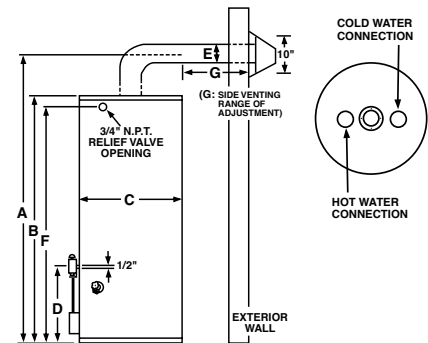
- 6-Year limited tank and parts warranty\*

\*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



Essential Direct Vent  
40 and 50-Gallon Capacities  
Up to 36,000 BTU/h  
Natural and LP Gas



TYPE	DESCRIPTION			FEATURES						ROUGHING IN DIMENSIONS (SHOWN IN INCHES)						ENERGY INFO.		
	NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° F RISE		FIRST HOUR DELIVERY G.P.H.		HT. TO VENT A	TANK HEIGHT B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	HT. TO SIDE T&P VALVE F	SHIP WEIGHT (LBS)	UNIFORM ENERGY FACTOR (UEF)	ESTIMATED YEARLY ENERGY COST
				NAT.	LP	NAT.	LP	NAT.	LP									
Tall	40	38	6GDV40F3	36	-	36.4	-	66	-	68-1/4	60-7/8	19-3/4	14-1/4	6	51-5/8	155	0.56	\$237
Tall	40	38	6GDV40PF3	-	30	-	30.3	-	66	68-1/4	60-7/8	19-3/4	14-1/4	6	51-5/8	155	0.56	\$573
Tall	50	48	6GDV50F3	36	-	36.4	-	79	-	68	59-5/8	21-3/4	14-1/4	6	52-1/2	165	0.61	\$198
Tall	50	48	6GDV50PF3	-	33	-	30.3	-	79	68	59-5/8	21-3/4	14-1/4	6	52-1/2	165	0.61	\$479

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

VENTING - ROUGHING IN DIMENSIONS (INCHES)			SIDE VENTING (G) WITH INCLUDED VENT KIT		SIDE VENTING (G) WITH OPTIONAL VENT KIT		OPTIONAL HEIGHT (A) WITH VENT KIT
TYPE	MODEL NUMBER	4 FEET VENTING AVAILABLE	MIN.	MAX.	MIN.	MAX.	
Tall	6DV40F3	Horiz. & Vertical	9-1/8	19-1/8	9-1/8	48**	68-1/4 - 107-3/4*
Tall	6DV50F3	Horiz. & Vertical	8-1/8	18-1/8	8-1/8	48**	68 - 107*

\*\*Horizontal Vent Kit #SP20131 for applications up to 2,000 ft. above sea level. Optional horizontal venting not applicable for installations above 2,000 ft. Venting dimensions are approximate.

\*Vertical Vent Kit #SP20132. Venting dimensions are approximate.

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