

VRP/VRS Condensing Tankless Water Heater

Premium Condensing Water Heater

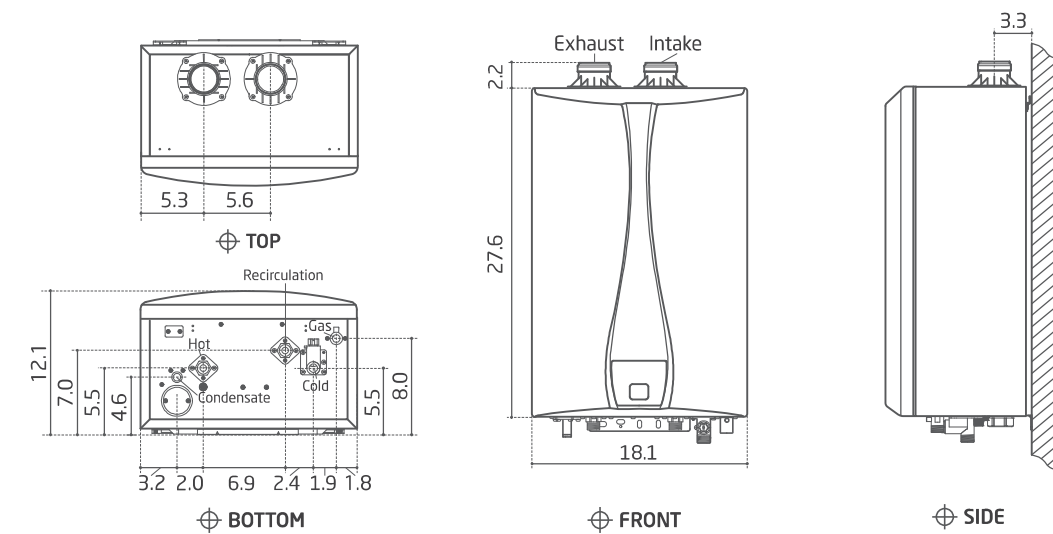


Condensing Tankless Water Heater

Characteristic

- Revolution series offers 0.93 UEF to achieve superior energy saving.
- UP to 10:1 turndown ratio
- Utilizes existing 1/2" gas pipe up to 24'
- Internal buffer tank ensures water temperature fluctuation is eliminated (VRP model only)
- Hot water is available immediately from internal buffer tank (VRP model only)
- 2" PVC vent up to 60' (3" venting: up to 150')
- Self calibration mode - Customizing of unit operation parameters
- Simple conversion to propane - LP orifice is already in the box
- Environmentally friendly Low NOx combustion system - SCAQMD 1146.2 compliant
- Up to 15-Year Heat Exchanger warranty. 5-Year Parts Warranty and 1-Year Labor Warranty

Dimensions



Specification

MODEL		VRP-150	VRP-199	VRS-150	VRS-199
Heat Capacity (Input)	Natural Gas / Propane	19,900 – 150,000 BTU/H	19,900 – 199,000 BTU/H	19,900 – 150,000 BTU/H	38,000 – 199,000 BTU/H
UEF	Natural Gas (Propane)	0,92 (0,92)	0,92 (0,92)	0,93 (0,93)	0,93 (0,93)
Flow Rate (DHW)	35°F (19°C) Temp Rise	8,4 GPM (32 LPM)	11,2 GPM (42 LPM)	8,4 GPM (32 LPM)	11,2 GPM (42 LPM)
	45°F (25°C) Temp Rise	6,5 GPM (24 LPM)	8,7 GPM (33 LPM)	6,5 GPM (24 LPM)	8,7 GPM (33 LPM)
	67°F (37°C) Temp Rise	4,2 GPM (16 LPM)	5,5 GPM (21 LPM)	4,2 GPM (16 LPM)	5,5 GPM (21 LPM)
Dimension (W x H x D)		18,1" X 27,6" X 11,6" (460mm X 700mm X 295mm)		18,1" X 27,6" X 11,6" (460mm X 700mm X 295mm)	
Weight		75lbs (34kg)	75lbs (34kg)	67lbs (30kg)	67lbs (30kg)
Installation		Indoor wall-hung		Indoor wall-hung	
Venting Type		Forced draft direct vent		Forced draft direct vent	
Ignition		Electronic ignition		Electronic ignition	
Water Pressure		15psi ~ 150psi		15psi ~ 150psi	
Supply Pressure	Natural Gas	3,5" ~ 10,5" WC		3,5" ~ 10,5" WC	
	Propane	8" ~ 13" WC		8" ~ 13" WC	
Manifold Pressure (High Altitude Manifold Pressure)	Natural Gas (Min. - Max.)	0,01"~0,35" WC (0,01"~0,30" WC)	0,01"~0,59" WC (0,01"~0,55" WC)	0,01"~0,35" WC (0,01"~0,30" WC)	0,01"~0,59" WC (0,01"~0,55" WC)
	Propane (Min. - Max.)	0,01"~0,30" WC (0,01"~0,26" WC)	0,01"~0,56" WC (0,01"~0,50" WC)	0,01"~0,30" WC (0,01"~0,26" WC)	0,01"~0,56" WC (0,01"~0,50" WC)
Minimum Flow Rate		0,1GPM		0,5GPM	
Temperature Range		98°F ~ 140°F (37°C ~ 60°C)		98°F ~ 140°F (37°C ~ 60°C)	
Connection Size	Cold Water Inlet	3/4" NPT		3/4" NPT	
	Hot Water Outlet	3/4" NPT		3/4" NPT	
	Recirculation Water Inlet	3/4" NPT (only VRP models)		3/4" NPT (only VRP models)	
	Gas Inlet	3/4" NPT		3/4" NPT	
Power Supply	Main Supply	120V, AC 60Hz / use less than 5amp		120V, AC 60Hz / use less than 5amp	
	Maximum Power Consumption	135 W	165 W	75 W	105 W
Materials	Primary Heat Exchanger	Stainless Steel		Stainless Steel	
	Secondary Heat Exchanger	Stainless Steel		Stainless Steel	
Venting	Exhaust	2" or 3" PVC, CPVC, Polypropylene		2" or 3" PVC, CPVC, Polypropylene	
		2" or 3" Special gas vent type BH (Class II A/B/C)		2" or 3" Special gas vent type BH (Class II A/B/C)	
	Inlake	2" or 3" PVC, CPVC, Polypropylene		2" or 3" PVC, CPVC, Polypropylene	
		2" or 3" Special gas vent type BH (Class II A/B/C)		2" or 3" Special gas vent type BH (Class II A/B/C)	
Vent Clearances		0" to combustibles		0" to combustibles	
Length	2"	60ft (18,3m)		60ft (18,3m)	
	3"	150ft(45,7m)		150ft(45,7m)	
Safety devices		Flame rod, APS, Overheat preventer, Freeze protection device, Exhaust temperature high limit sensor, Power surge fuse		Flame rod, APS, Overheat preventer, Freeze protection device, Exhaust temperature high limit sensor, Power surge fuse	

- Fully modulating Turbo Fan
- Designed for 2" venting (Up to 60')
- Exhaust gas Temperature Sensor
- Eco-friendly Low NOx Metal Fiber Burner
- Dual Stainless Steel Heat Exchanger
- Flow Control Valve + Mixing Valve eliminate the temperature fluctuation
- Easy field conversion from NG to LP
- Internal buffer tank (VRP model only)
- Negative Pressure Gas Valve for Maximum Efficiency
- Built-in Recirculation Pump (VRP model only)

VRS : Standard model
VRP : Built-in circulation pump