



# VTP

0.96 UEF

Utilizes existing 1/2" gas line up to 24'

Self Calibration – Customizing unit operation parameters,

Built-in stainless steel tank prevent cold water sandwich and produces quick endless hot water.

Simple field conversion from Natural Gas to LP/ Propane.

Environmentally friendly Low NOx combustion system – SCAQMD 1146.2 compliant.

Service friendly access panels and Air intake filter.

High quality Digital front panel display.

Built-in 3 speed stainless steel recirculation pump.

Applicable for residential and commercial installation.

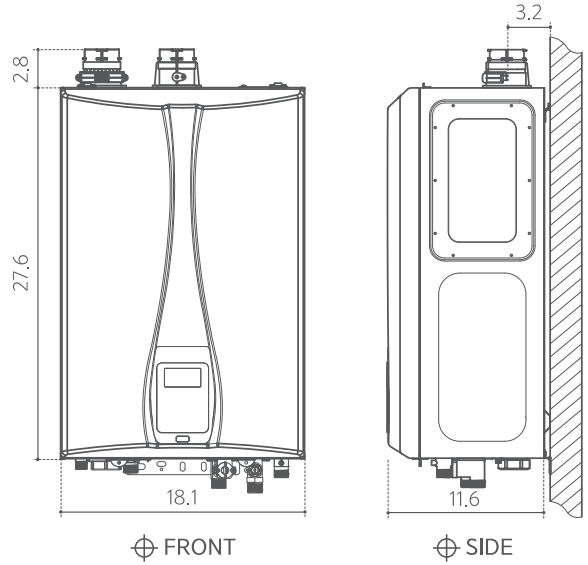
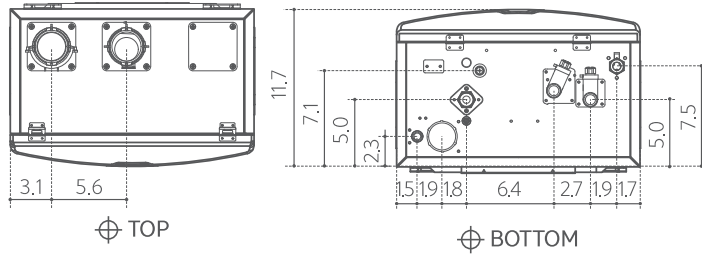
Built-in external measuring port for CO2 on the exhaust duct.

## ● SPECIFICATION

MODEL		VTP-150	VTP-199
Heat Capacity (Input)	Natural Gas / Propane	19,900 – 150,000 BTU/H	19,900 – 199,000 BTU/H
UEF	Natural Gas / Propane	0.96	0.96
Flow Rate (DHW)	35°F (19°C) Temp Rise	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)
	77°F (37°C) Temp Rise	3.8 GPM (14 LPM)	5.1 GPM (19 LPM)
Dimension (W x H x D)		18.1" x 27.6" x 11.6" (460mm x 700mm x 295mm)	
Weight		75lbs(34kg)	
Installation Type		Indoor/Outdoor wall mounted	
Venting Type		Force draft direct vent	
Ignition		Electronic ignition	
Water Pressure		15 ~ 150 psi	
Supply Pressure	Natural Gas	3.5" ~ 10.5" WC	
	Propane Gas	8" ~ 13" WC	
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)
	Propane Gas (Min. – Max.)	0.01"~-0.30"WC (0.01"~-0.26"WC)	0.01"~-0.56"WC (0.01"~-0.50"WC)
Minimum Flow Rate		0.1 GPM	
Temperature Range		98°F ~ 140°F (37°C~60°C) / Commercial : up to 180°F(82°C)	
Connection Size	Cold Water Inlet	3/4" NPT	
	Hot Water Outlet	3/4" NPT	
	Recirculation Water Inlet	3/4" NPT (only VTP model)	
	Gas Inlet	3/4" NPT	
Power Supply	Main Supply	120V, AC 60Hz / use less than 5amp	
	Power Consumption	135 W	165 W
Materials	Heat Exchanger	Stainless Steel	
Venting	Exhaust	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special gas vent type BH (Class II A/B/C)	
	Intake		
	Vent Clearances	0" to combustibles	
	Length	2"	60ft (18.3m)
3"		150ft (45.7m)	
Safety Devices		Flame rod, APS, Overheat prevent, Freeze protection device, Exhaust temperature high limit sensor, Power surge fuse	



# DIMENSIONS [ UNIT : Inch ]



# CONFIGURATION

## VENT

Designed for 2" venting (Up to 60')



## BURNER

Eco-friendly Low NOx Metal Fiber Burner



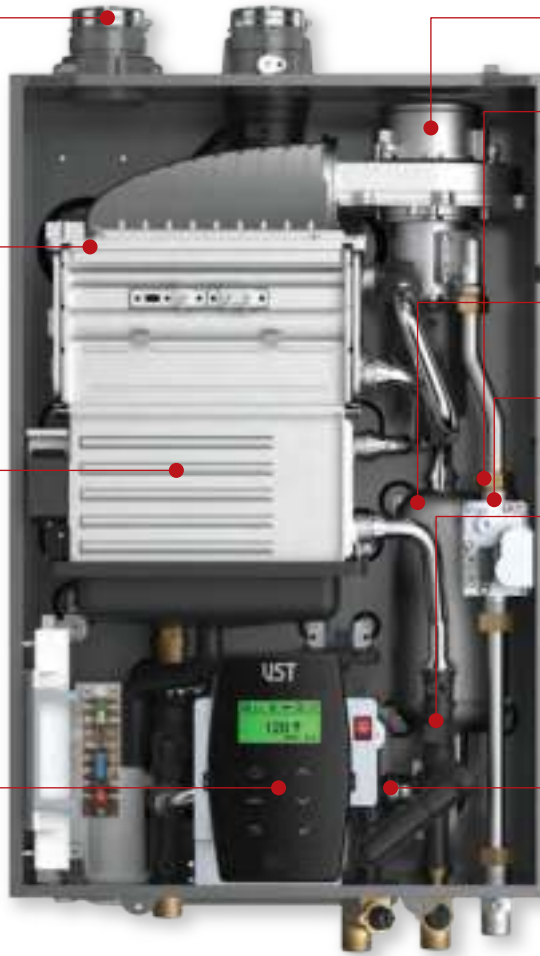
## HEAT EXCHANGER

High grade stainless steel heat exchanger



## DISPLAY

High quality Digital front panel with easy functionality



Fully modulating Turbo Fan

## ORIFICE

Easy field conversion from NG to LP



Built-in Buffer tank (VTP model only)

Negative Pressure Gas Valve for Maximum Efficiency

## VALVE

Flow Control Valve + Mixing Valve produce stabilized setting temperature



## PUMP

Built in Durable 3 speed recirculation pump

