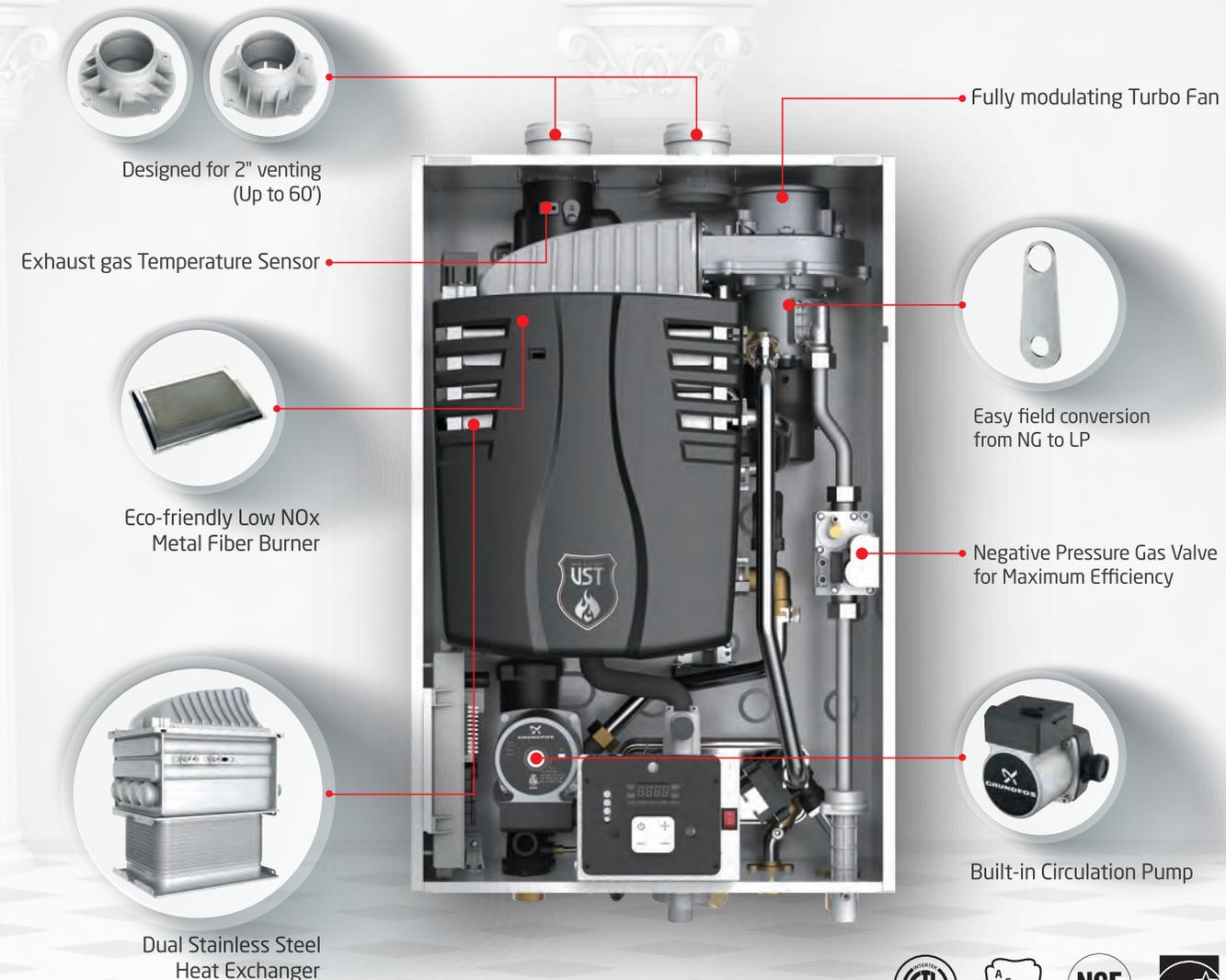


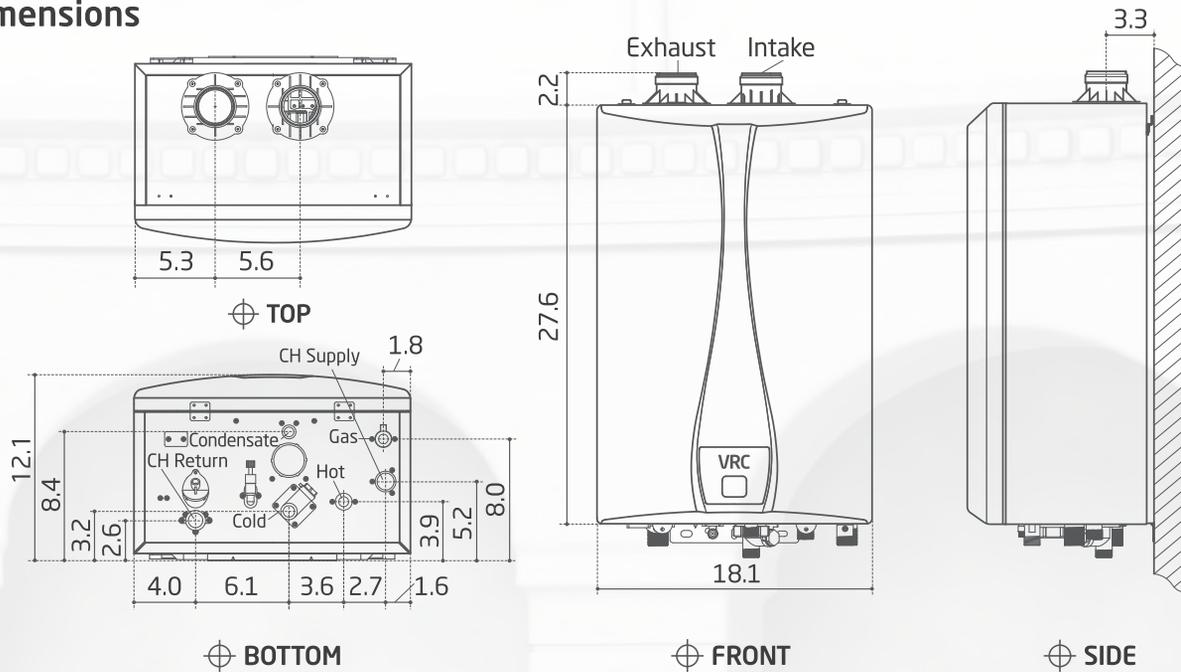
## One unit takes care of it all!

High efficiency condensing boiler provides abundant heat for both space heating and DHW.

- High efficient condensing combi boiler - AFUE 95%
- Turndown ratio up to 10:1
- Utilizes existing ½" gas pipe up to 24'
- Negative pressure gas valve provides constant performance at the low gas pressure situation
- Built-in circulation pump
- 2" PVC vent up to 60' (3" venting: up to 150')
- Full stainless steel heat exchanger construction
- Simple conversion to propane - LP orifice is already in the box
- Environmentally friendly Low NOx combustion system - SCAQMD 1146.2 compliant
- Exhaust gas temperature sensor ensures safe operation
- Up to 10-year heat exchanger, 5-year parts and 1-year labor limited warranty



## Dimensions



## Specification

MODEL		VRC-80	VRC-100	VRC-120	VRC-140
Heat Capacity (Input)	Space Heating	19,900 - 80,000 Btu/h	19,900 - 100,000 Btu/h	19,900 - 120,000 Btu/h	19,900 - 140,000 Btu/h
	Domestic Hot Water	19,900 - 155,000 Btu/h	19,900 - 180,000 Btu/h	19,900 - 199,000 Btu/h	19,900 - 199,000 Btu/h
Flow Rate (DHW)	45 °F (25 °C) Temp Rise	6.0 GPM (23 LPM)	6.9 GPM (26 LPM)	7.7 GPM (29 LPM)	7.7 GPM (29 LPM)
	67 °F (37 °C) Temp Rise	4.0 GPM (15 LPM)	4.7 GPM (18 LPM)	5.2 GPM (20 LPM)	5.2 GPM (20 LPM)
AFUE	Natural Gas (Propane)	95.0 % (95.0 %)	95.0 % (95.0 %)	95.0 % (95.0 %)	95.0 % (95.0 %)
Dimension (W X H X D)		18.1" X 27.6" X 11.6" (460mm X 700mm X 295mm)			
Installation		Indoor wall-mount			
Venting Type		Forced draft direct vent			
Ignition		Electronic ignition			
Water Pressure (Hydronic / DHW)		12 ~ 30 psi / 15 ~ 150 psi			
Supply Pressure	Natural Gas	3.5" ~ 10.5" WC			
	Propane	8" ~ 13" WC			
Minimum Flow Rate (DHW)		0.5 GPM (2.0 LPM)			
Temperature Range	Space Heating	120 °F ~ 180 °F (50 °C ~ 82 °C)			
	DHW	98 °F ~ 140 °F (37 °C ~ 60 °C)			
Connection Size	CH Supply / Return	1" NPT			
	Cold Water Inlet	3/4" NPT			
	Hot Water Outlet	3/4" NPT			
	Gas Inlet	3/4" NPT			
Power Supply	Main Supply	120 V AC, 60Hz / use less than 5 amp			
Materials	Primary Heat Exchanger	Stainless steel			
	Secondary Heat Exchanger	Stainless steel			
Venting	Exhaust / Intake	2" or 3" PVC, CPVC, Polypropylene 2" or 3" Special gas vent type BH (Class II, A/B/C)			
	Vent Clearances	0" to combustibles			
	Length	2"	60 ft (18.3 m)		
		3"	150 ft (45.7 m)		
Safety Device		Flame rod, APS, Overheat preventer, Low water cut off switch Exhaust temperature high limit sensor, Power surge fuse			