



Advanced Heating
& Hot Water Systems

High Efficiency Hydra Smart Residential

Condensing Gas Tankless Water Heater



10 to 1 turndown ratio

Durable high grade stainless
steel heat exchanger

Endless hot water, advanced
temperature control

Advanced modulating
water heater with up
to 0.98 ENERGY FACTOR

Available in
LP and natural gas

Equipped with highly
innovative gas leak detector

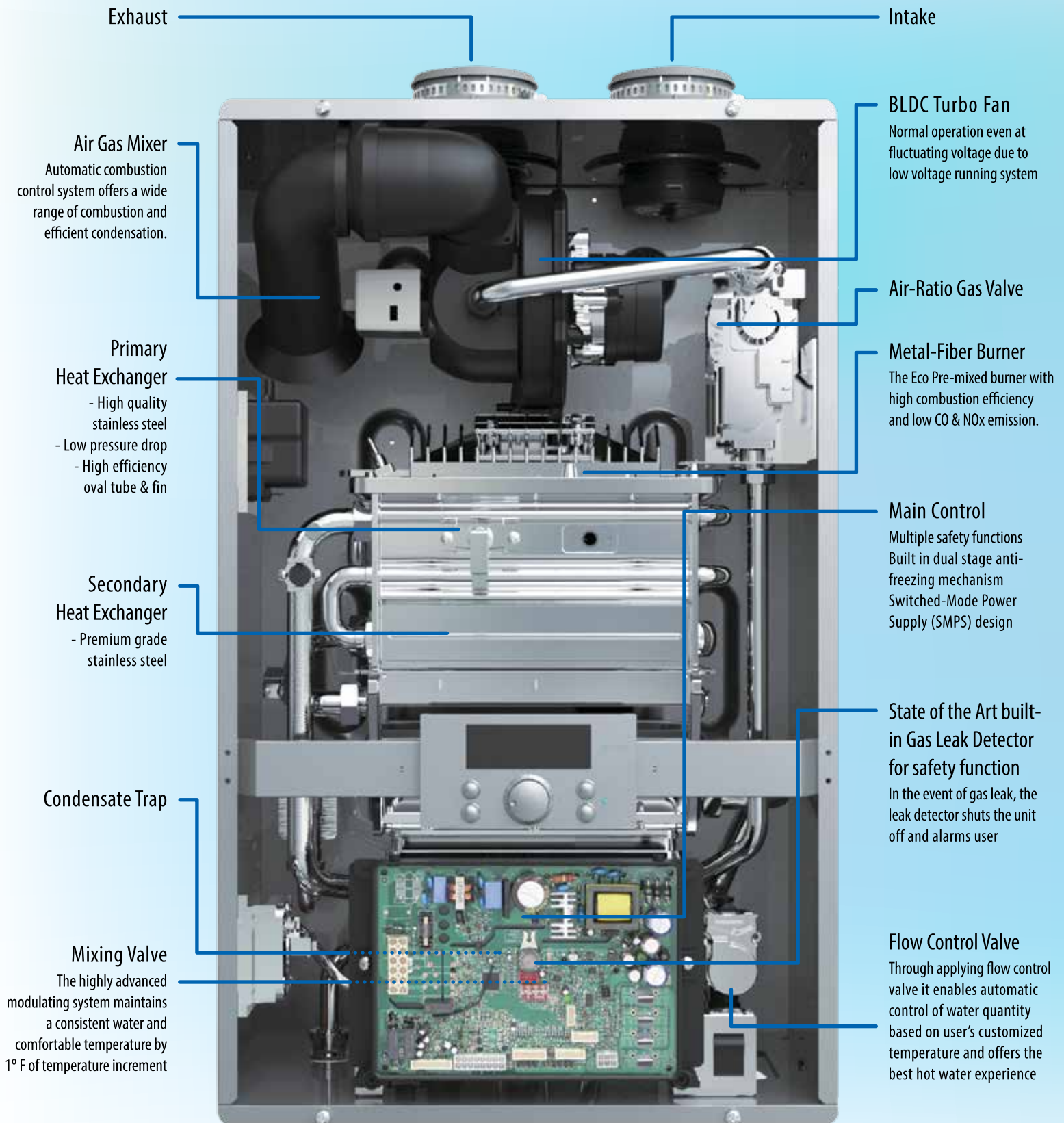
Eco-friendly and low
NOx combustion system

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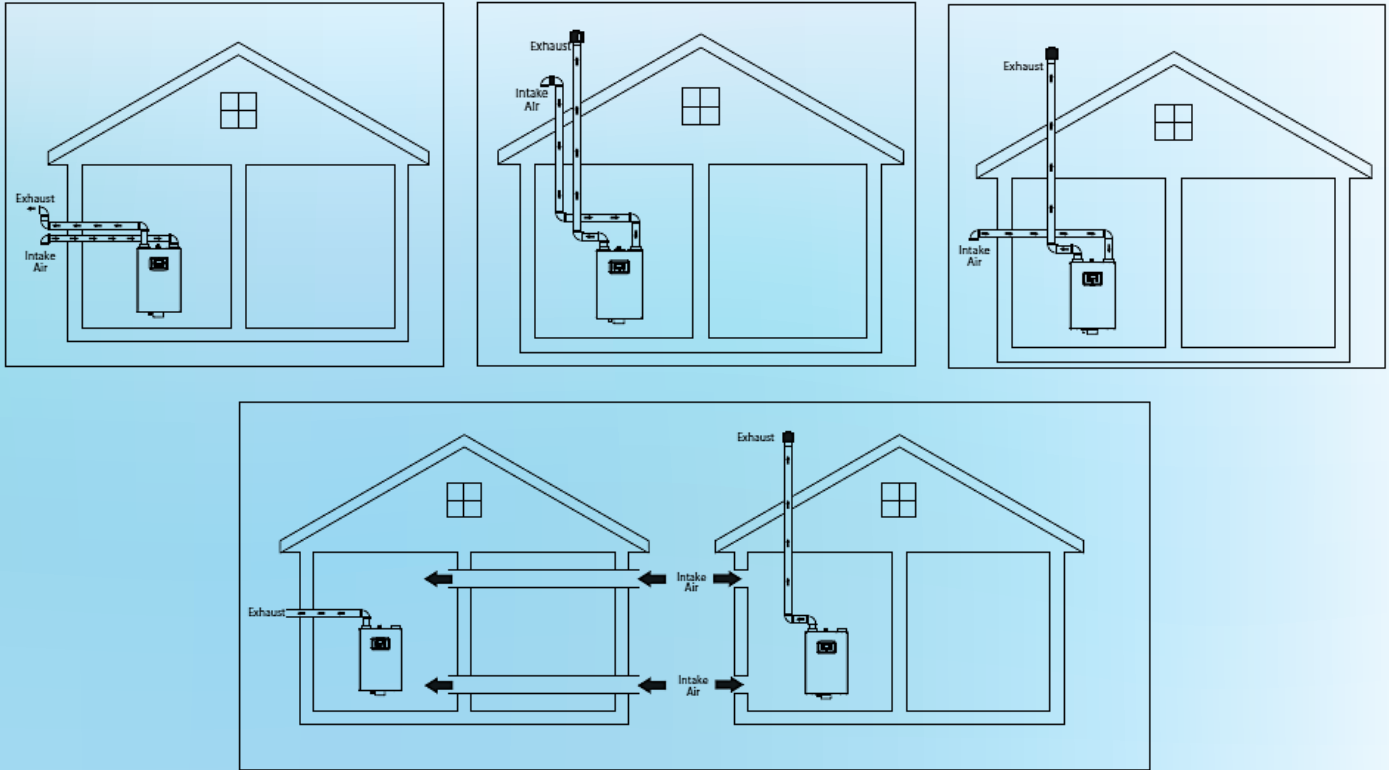


Hydra Smart

A CLOSER LOOK



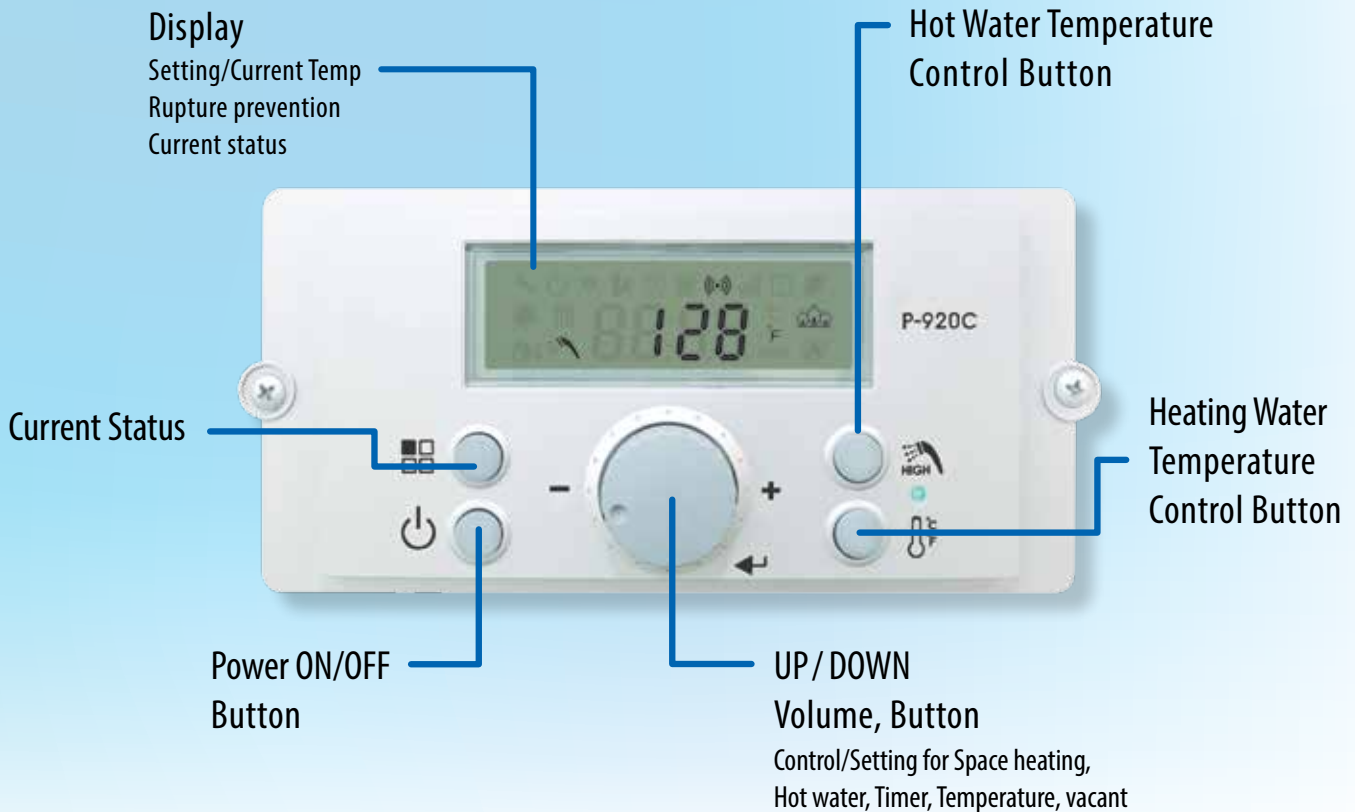
VENT TERMINATION



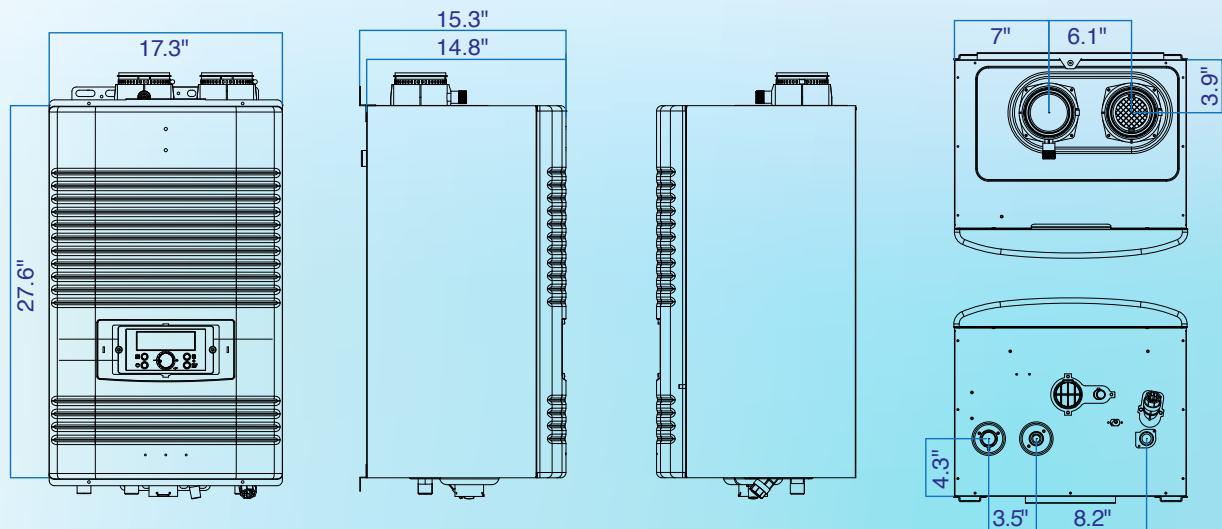
MULTIFUNCTION CONTROL PANEL

Customized Temperature Control

Advanced user friendly technology of FLOW CONTROL, FLOWSENSOR and heat capacity control makes DHW even more comfortable by maintaining constant temperature during usage



DIMENSIONS



SPECIFICATIONS

MODEL		RT-199	
Gas Input Rate	Max	199,000 Btuh	
	Min	19,900 Btuh	
Energy Factor (recovery/thermal efficiency)		.98	
Hot Water Capacity	35°F Rise	11.0 Gal. Per Minute	
	45°F Rise	8.5 Gal. Per Minute	
	77°F Rise	5.0 Gal. Per Minute	
Installation		Indoor Wall Hung	
Flue System		Sealed Combustion Direct Vent	
Vent		2" (15 ft), 3" (100ft) Schedule 40 PVC, CPVC, PP	
Orifice Size	NG (Orifice/Needle)	.374" (9.5 mm)	
	LP (Orifice/Needle)	Consult Factory	
Gas Supply Pressure (3")	NG	3.5" WC ~ 14" WC	
	LP	3.5" WC ~ 14" WC	
Manifold Pressure (3")	Min	NG: -0.01"WC	LP: -0.11"WC
	Max	NG: -0.05"WC	LP: -0.06"WC
Power Supply	Main Supply	120V 60Hz	
	Max power Consumption	135W	
Ignition System		Direct Electric Ignition / Automatic Flame Sensing	
Burner System		Single Orifice Premixed Fuel Modulation Metal Fiber Infrared	
Gas Valve System		Air Ratio Gas Valve	
Minimum Flow Rate		0.5 GPM	
Internal Pipe Material		Stainless Steel	
Dimensions (W x H x D)		17.3" X 27.6" X 14.8"	
Weight		88 lbs	
Heat Exchanger Water Capacity		Under 2 Gallon	
Control Panel/Main Controller		P-920C / GTH-9500C	
Water Pressure	Max	Hot Water 150 psi	
	Min	15 psi	
Connection Sizes	(Cold/Hot) Water Inlet/Outlet	3/4" NPT	
	Gas Inlet	3/4" NPT	
	Condensate	1/2" NPT	
Materials	Cabinet	Cold Rolled Carbon Steel	
	Heat Exchange	Primary Heat Exchanger: Stainless Steel Secondary Heat Exchanger: Stainless Steel	
Safety Devices		Flame Rod, Burner Overheat Cut Off Device 302°F, Gas Leak Detector, Flue High Limit Switch 149°F, Water Temperature High Limit Switch 199°F, Freeze Protection Ceramic Heater (Turns on at 41°F, Turns off at 59°F)	

12 Year Residential & 5 Year Commercial Limited Warranty

In accordance with our company policy of ongoing product improvement, HTP Inc. reserves the right to make changes without prior notice.

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