



Advanced Heating
& Hot Water Systems

High Efficiency Hydra Smart RTC Condensing Gas Tankless Water Heater



10 to 1 turndown ratio

High temperature supply for sanitation

Advanced modulating cascade control:
CASCADE up to 18 UNITS

High grade stainless steel heat exchanger

Endless hot water: 11.0 gallon @ 35°F Rise
8.5 gallon @ 45°F Rise

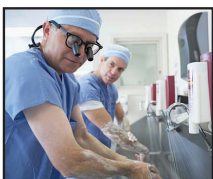
Available in liquid propane & natural gas

Eco-friendly and low
NOx combustion system

High altitude compliant:
up to 10,000 ft. above sea level

up to .93 UEF

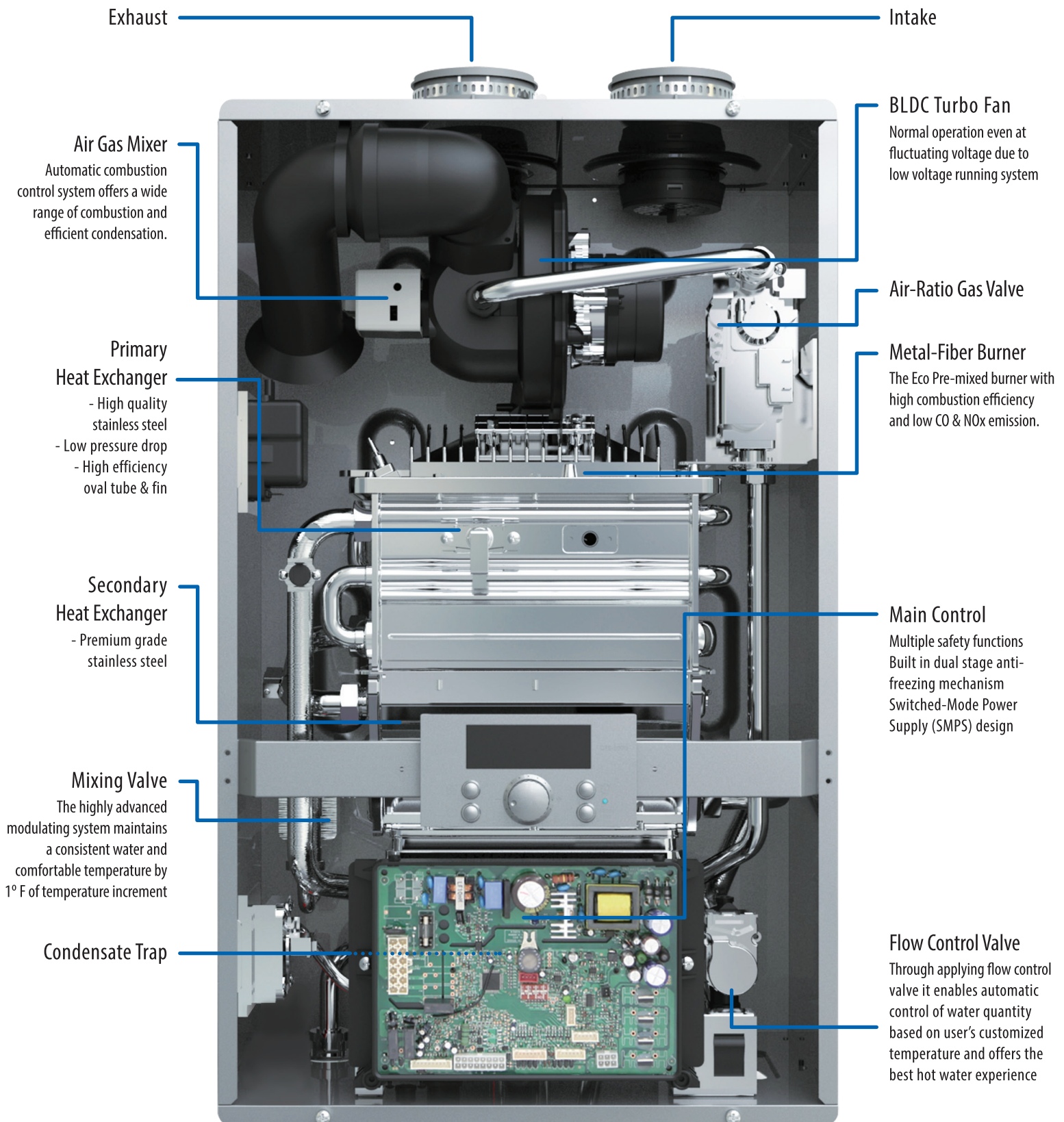
Commercial Applications



www.htproducts.com

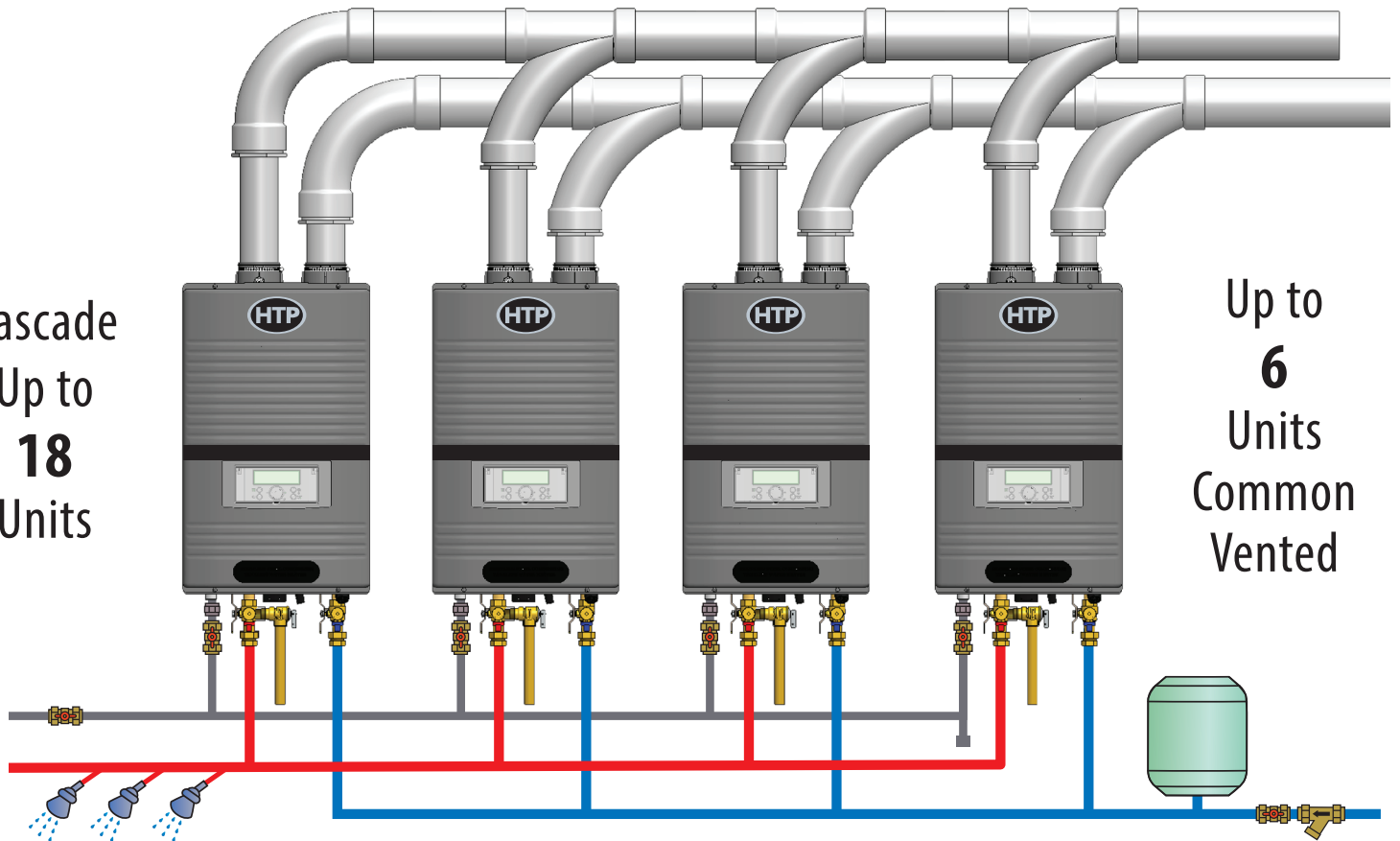
Hydra Smart RTC

A CLOSER LOOK



CASCADING

Cascade
Up to
18
Units

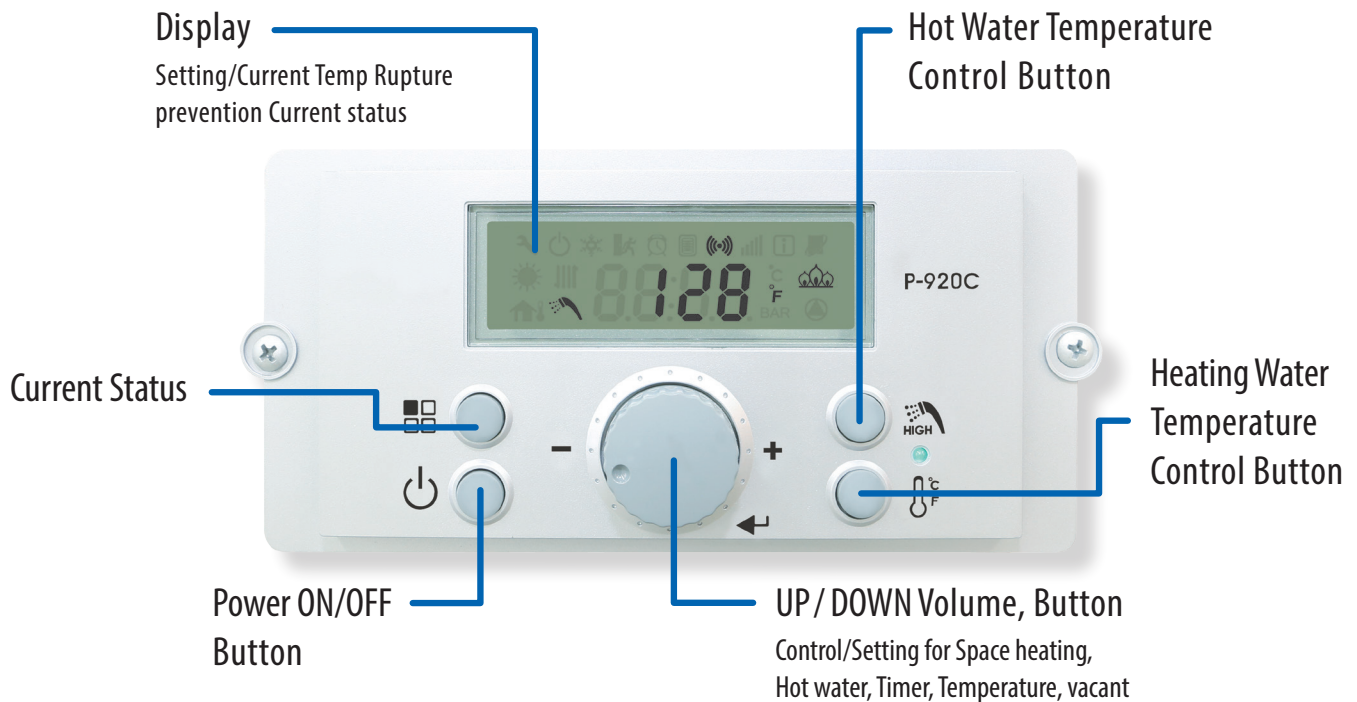


Up to
6
Units
Common
Vented

MULTIFUNCTION CONTROL PANEL

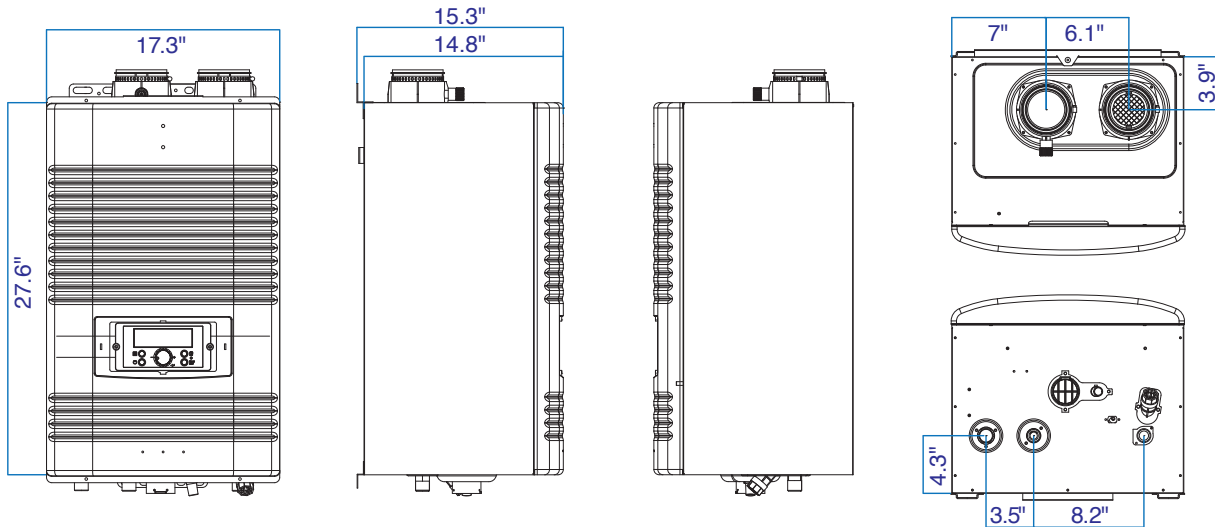
Customized Temperature Control

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



SPECIFICATIONS

5 Year Commercial Warranty



*Must be ordered as LP units or Natural Gas units, NOT field convertible

MODEL		*RTC-199
Gas Input Rate	Max	199,000 Btuh
	Min	19,900 Btuh
UEF (Uniform Energy Factor) / EF (Energy Factor)		.93 UEF / .95 EF
Recovery Efficiency		96%
Max GPM Rating Bin / Max GPM		High / 5.8
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, Fully Condensing
Flue System		Sealed Combustion Direct Vent
Vent		2" (50 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	NG	3.5" WC ~ 14" WC
	LP	3.5" WC ~ 14" WC
Manifold Pressure	Min (3")	NG: -0.01" WC / LP: -0.05" WC
	Max (3")	NG: -0.11" 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 Gallons
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, Flue High Limit Switch 190°F, Water Temperature High Limit Switch 199°F, Freeze Protection Ceramic Heater (Turns on at 41°F, Turns off at 59°F)