



Advanced Heating
& Hot Water Systems

High Efficiency UFT COMBI Floor & Wall

Tankless Water Heater & Space Heating Appliance

140K & 199K Btuh Units

Stainless Steel, Fire Tube
Heat Exchanger

Turndown Ratio up to 10:1

Advanced Modulating Gas
Condensing Boiler: Up to
96% AFUE

Built-in 2 Gallon Indirect
Stainless Steel Tank

Universal Piping Location:
Installer Connection Can
Easily be Moved from Left
to Right Side of the Unit

3.2 GPM Flow Rate
@ 77° Rise (UFTC-140F)

4.8 GPM Flow Rate
@ 77° Rise (UFTC-199F)

Venting: 2" or 3" PVC, CPVC
or Polypropylene

www.htproducts.com



Save Energy • Save Money • Save Space • Save On Installation

Intake

Exhaust

**Automatic
Air Vent**

**Modulating
Gas Valve**

**DHW Heat
Exchanger**

- Premium grade stainless steel
- Minimizes calcium deposits
- Sufficient hot water flow
- Instantaneous Response

Turbo Fan

Modulating fan provides significant power for long vent runs

Ceramic Fiber Burner

The Eco Pre-Mixed burner offers high combustion efficiency and low CO and NOx emissions

Heat Exchanger

- Hi-fin heat exchanger
- Higher efficiency
- Lower pressure drop
- Compact storage size

Main Control

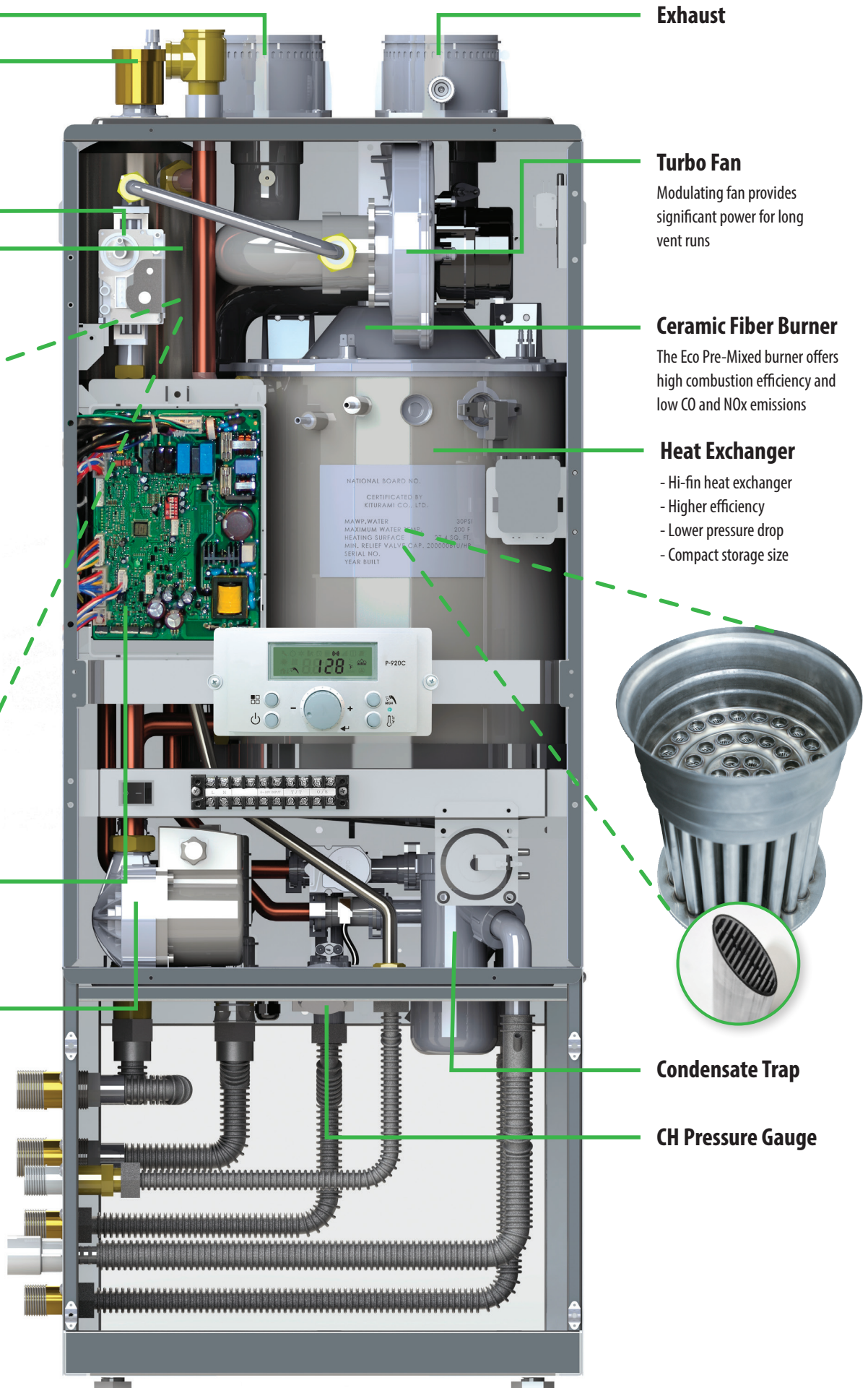
- Multiple safety functions
- Built in dual stage anti-freezing mechanism

**Built-In Threeway
Valve and High
Efficiency Pump**

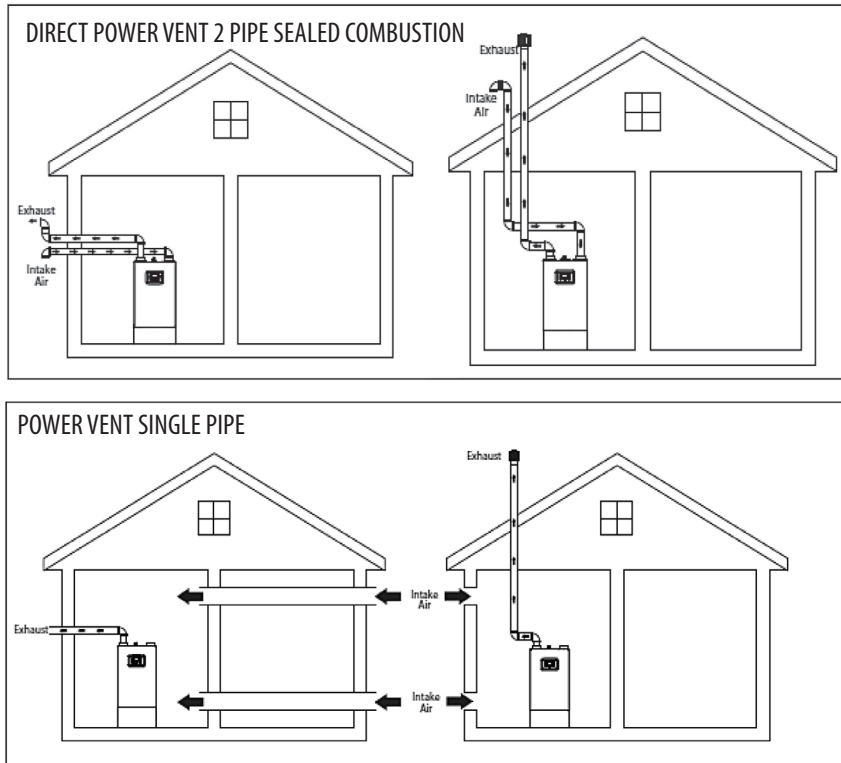
Optimizes overall efficiency

Condensate Trap

CH Pressure Gauge

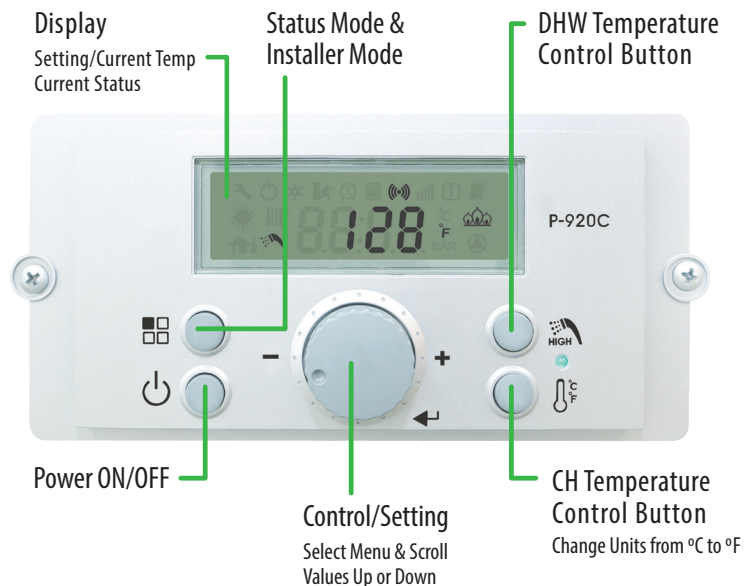


MULTIPLE VENTING CONFIGURATIONS



Combined Vent Length: 2"(50ft), 3"(100ft)
Vent Materials: CPVC, PVC, PP & Power Vent

MULTIFUNCTION CONTROL PANEL



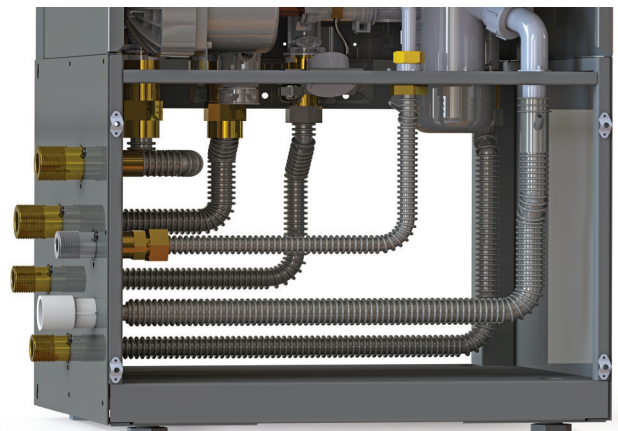
TESTING



All UFT Combi Units are properly Tested and Assembled in Massachusetts to ensure that its quality is at the highest level

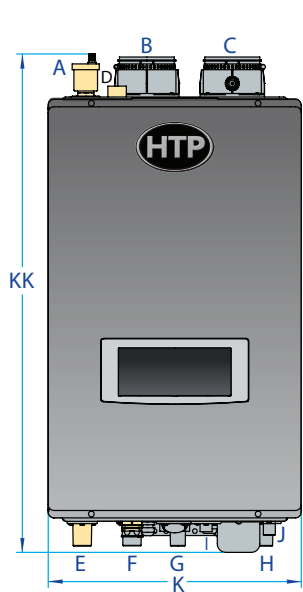


CONNECTIONS



Domestic Inlet/Outlet 3/4" NPT
Boiler Inlet/Outlet 1" NPT
Gas Inlet 3/4" NPT
Condensate Drain 3/4" PVC

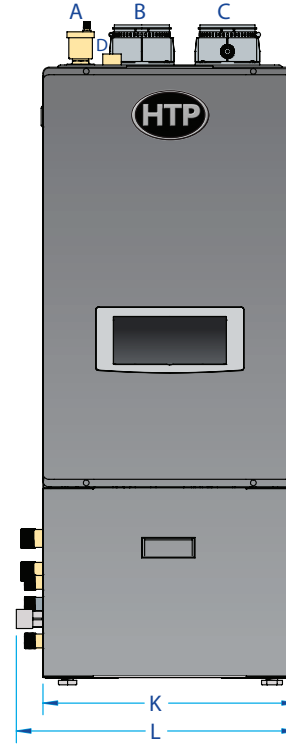
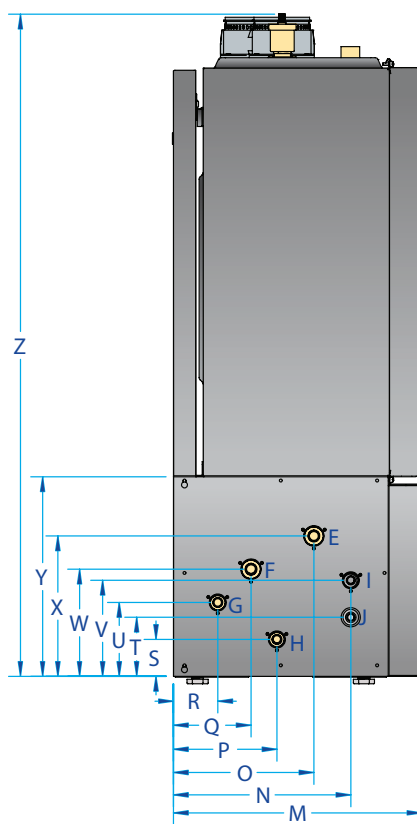
All the bottom connections (Boiler Outlet & Inlet/ Domestic Outlet & Inlet / Condensation / Gas) can be located on either side of the boiler (Left or Right) to make installation easier.
 Note: Fittings are shipped on left side of the boiler.



Wall Units

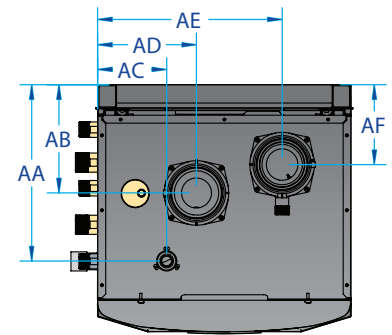


Replace * with a W (for a wall unit) or a F (for a floor unit)



All the bottom connections (boiler, domestic, condensation & gas) can be located on either side of the unit. Fittings are shipped on the left side of the boiler.

Floor Units



UFT Combi		
	DESCRIPTION	DIAMETER
A	AUTOMATIC AIR VENT	-
B	INTAKE PIPE CONNECTION	3"
C	EXHAUST PIPE CONNECTION	3"
D	PRESSURE RELIEF VALVE ADAPTER	3/4" NPTF
E	CH SUPPLY ADAPTER	1" NPT
F	CH RETURN ADAPTER	1" NPT
G	DHW OUTLET ADAPTER	3/4" NPT
H	DHW INLET ADAPTER	3/4" NPT
I	GAS CONNECTION ADAPTER	3/4" NPT
J	CONDENSATE ADAPTER	3/4" PVC

MODELS	K	KK	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
UFTC-140*	17.3	34	19.1	16.8	12	9.5	7	5.3	3	2.5	4	5	6.5	7.3	9.5	13.5	44.8	12	7.4	4.7	6.8	12.6	5.5
UFTC-199*	19.7	37	21.5	18.2	13.3	10.8	8.3	6.6	4.3	2.5	4	5	6.5	7.3	9.5	13.5	48	14	8.5	3.2	9.2	15.1	5.2

Model		UFTC-140*		UFTC-199*	
DHW Input	Natural Gas or Propane Gas	14,000 ~ 140,000 Btuh		19,000 ~ 199,000 Btuh	
Boiler Input / AFUE		14,000 ~ 140,000 Btuh / 96		19,900 ~ 199,000 Btuh / 95.1	
Floor Model Dimensions (W x H x D)		W 19” x H 45” x D 17”		W 22” x H 48” x D 18”	
Wall Mount Model Dimensions (W x H x D)		W 17.3” x H 34” x D 15.4”		W 19.7” x H 37” x D 16.8”	
Installation Type		Indoor, Wall Mounted Model or Floor Model, Fully Condensing			
Venting Type		Forced Draft Direct-Vent			
Venting: Combined Vent Length / Materials		2"(50ft), 3"(100ft) / CPVC, PVC, PP & Power Vent			
Ignition		Electronic Ignition			
Gas Supply Pressure	Natural Gas	3.5"W.C ~ 14"W.C			
	Propane Gas	3.5"W.C ~ 14"W.C			
Power Supply	Main Supply	AC 120V / 60Hz			
	Maximum Power Consumption	160W			
Flow Rate (DHW)	35°F (19°C) Temp Rise	7.1 gal/m		9.88 GPM	
	45°F (25°C) Temp Rise	5.5 gal/m		7.7 GPM	
	77°F (43°C) Temp Rise	3.2 gal/m		4.8 GPM	
Water Pressure	Central Heating	15 min - 30 max PSI			
	Domestic Hot Water	15 min - 150 max PSI			
Connection Sizes	Cold Water Inlet / Hot Water Outlet	3/4" NPT			
	Boiler Inlet/Outlet	1" NPT			
	Gas Inlet	3/4" NPT			
Warranty		Limited 10 Year Residential Warranty			