



Advanced Heating  
& Hot Water Systems

316L Stainless Steel, Fire  
Tube Heat Exchanger

10 to 1 Turndown Ratio

Advanced Modulating Gas  
Condensing Boiler; up to  
95% AFUE

Equipped with  
Highly Innovative  
Gas Leak Detector

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

No Primary/ Secondary  
Piping Needed

Supply and Return Connections  
on Both the Top and Bottom

[www.htproducts.com](http://www.htproducts.com)

High Efficiency

# UFT BOILER

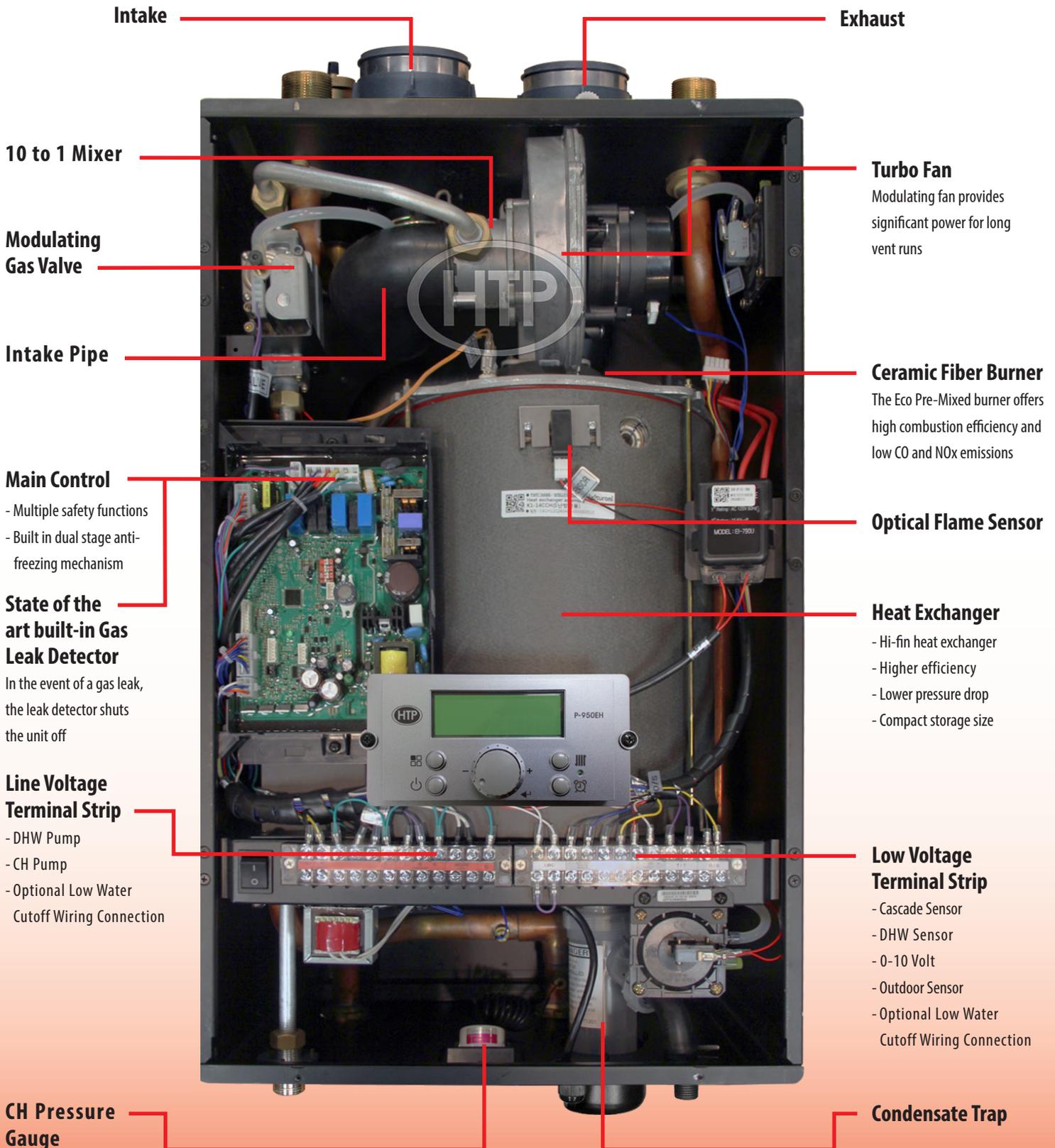
Medium Mass



**Fighting the High Cost of Heating**

# UFT Boiler

A CLOSER LOOK



**Intake**

**Exhaust**

**10 to 1 Mixer**

**Turbo Fan**

**Modulating Gas Valve**

Modulating fan provides significant power for long vent runs

**Intake Pipe**

**Ceramic Fiber Burner**

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

**Main Control**

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

**Optical Flame Sensor**

**State of the art built-in Gas Leak Detector**

In the event of a gas leak, the leak detector shuts the unit off

**Heat Exchanger**

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

**Line Voltage Terminal Strip**

- DHW Pump
- CH Pump
- Optional Low Water Cutoff Wiring Connection

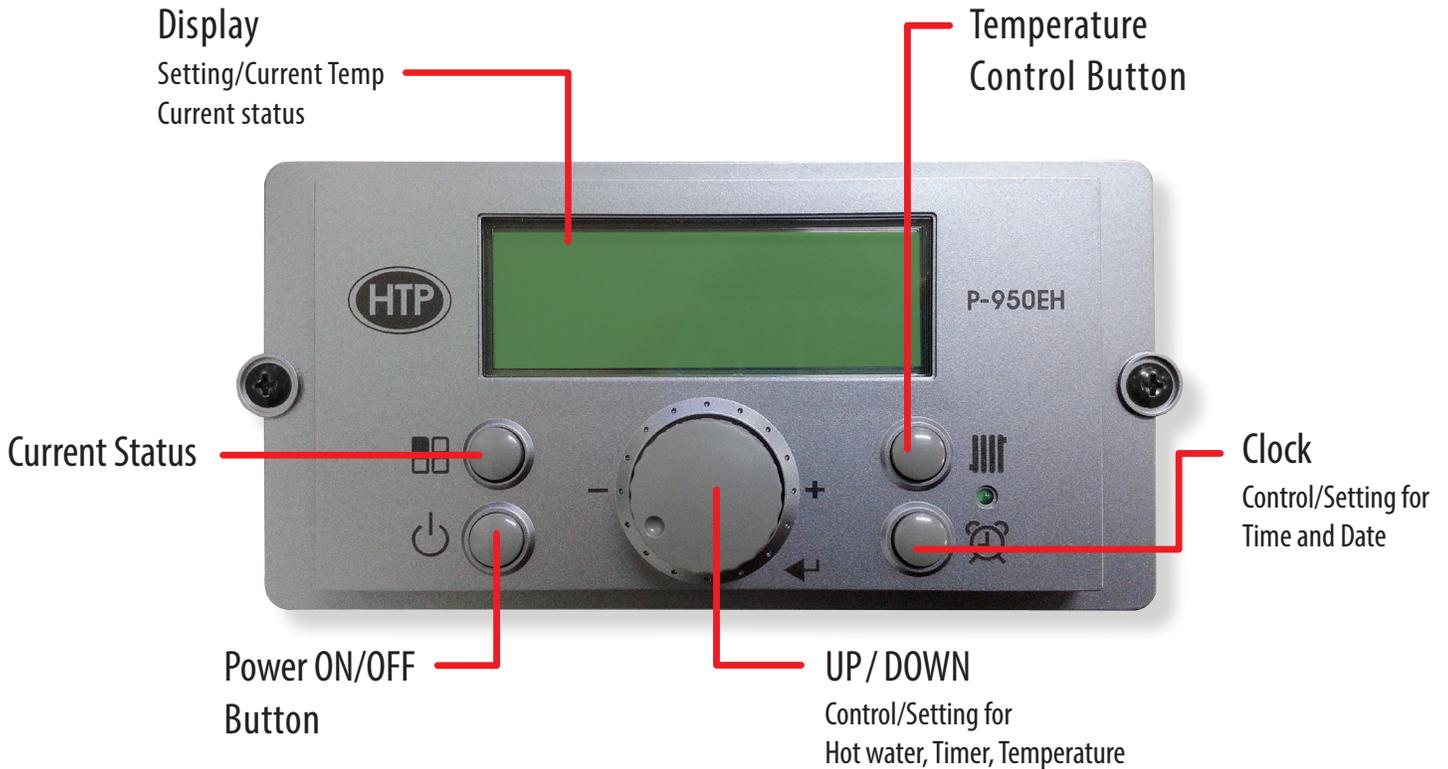
**Low Voltage Terminal Strip**

- Cascade Sensor
- DHW Sensor
- 0-10 Volt
- Outdoor Sensor
- Optional Low Water Cutoff Wiring Connection

**CH Pressure Gauge**

**Condensate Trap**

# MULTIFUNCTION CONTROL PANEL



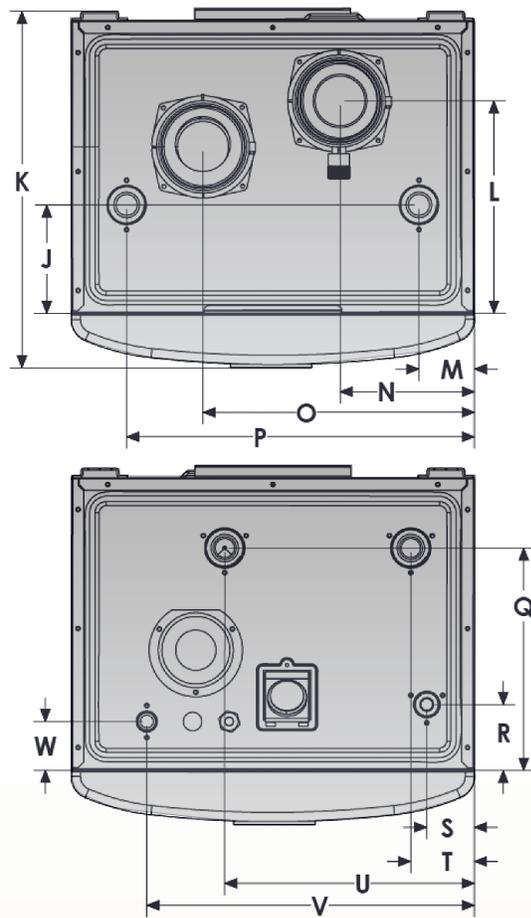
## INCLUDED IN THE BOX

- 2 Vent Screens (3")
- 30 PSI Pressure Relief Valve
- 1 1/4" x 1 1/4" x 3/4" Tee (steel) & 3/4" Street Elbow (steel)
- Anchors & Wall Mounting Bracket
- Quick Reference Guide, User & Installation Manuals
- Condensate Hose
- Spare Parts Kit
- 3" CPVC Pipe (6" Length)
- Outdoor Sensor with Screws & Anchors

## OPTIONAL EQUIPMENT

- System Sensor
- Indirect Tank Sensor
- 3", 4", 6" Stainless Steel Outside Termination Vent Kit
- 3" PVC Concentric Vent Kit
- U.L. 353 Compliant Low Water Cutoff w/ Manual Reset
- PC Connection Kit
- Condensate Neutralizer

# DIMENSIONS



	DESCRIPTION	DIAMETER
A	CH SUPPLY ADAPTERS	1-1/4" NPT
B	CH RETURN ADAPTERS	1-1/4" NPT
C	GAS CONNECTION ADAPTER	3/4" NPT
D	CONDENSATE DRAIN ADAPTER	1/2" NPT
E	AIR INTAKE PIPE CONNECTION	3"
F	EXHAUST PIPE CONNECTION	3"

MODEL	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
UFT-80W UFT-100W	17.5	28.75	34	2.15	15.5	9.14	2.38	5.82	11.66	14.94	9.56	2.83	2.05	2.74	10.73	14.07	2.09
UFT-120W UFT-140W	17.5	28.75	34	2.15	15.5	9.14	2.38	5.82	11.66	14.94	9.56	2.83	2.05	2.74	10.73	14.07	2.09
UFT-175W UFT-199W	<b>COMING SOON</b>																

Model		UFT-80W	UFT-100W	UFT-120W	UFT-140W	UFT-175W	UFT-199W
Input Rate		8,000~80,000 Btu/hr	10,000~100,000 Btu/hr	12,000~120,000 Btu/hr	14,000~140,000 Btu/hr	17,500~175,000 Btu/hr	20,000~199,000 Btu/hr
Dimensions (W - H - D)		W 17.25" - H 29.0" - D 15.5"				W 19.68" - H 31.89" - D 17"	
Installation Type		Indoor / Wall hung					
Vent Type		Forced Draft Direct-vent					
Combined Vent Length & Venting Materials		2"(50ft) , 3"(100ft) / PVC, CPVC, PP					
Ignition		Direct Electronic Ignition					
Gas Supply Pressure	Natural Gas	3.5" WC to 14" WC					
	Propane Gas	3.5" WC to 14" WC					
Power Supply	Main Supply	120V 60Hz					
	Max Power	160W					
Water Pressure		Min 15 ~ Max 30 PSI					
Connection Sizes	Supply/Return	1-1/4" NPT					
	Gas Inlet	3/4" NPT					
Warranty		Limited 12 Year Residential Warranty					