



**Advanced Heating
& Hot Water Systems**

Phoenix LIGHT DUTY

Highly Efficient Stainless Steel
Gas-Fired Water Heater



76,000 Btuh

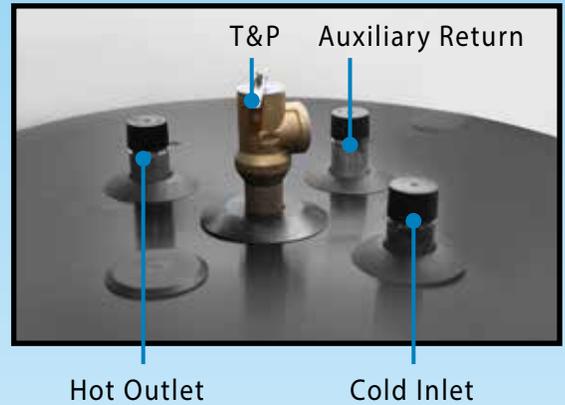
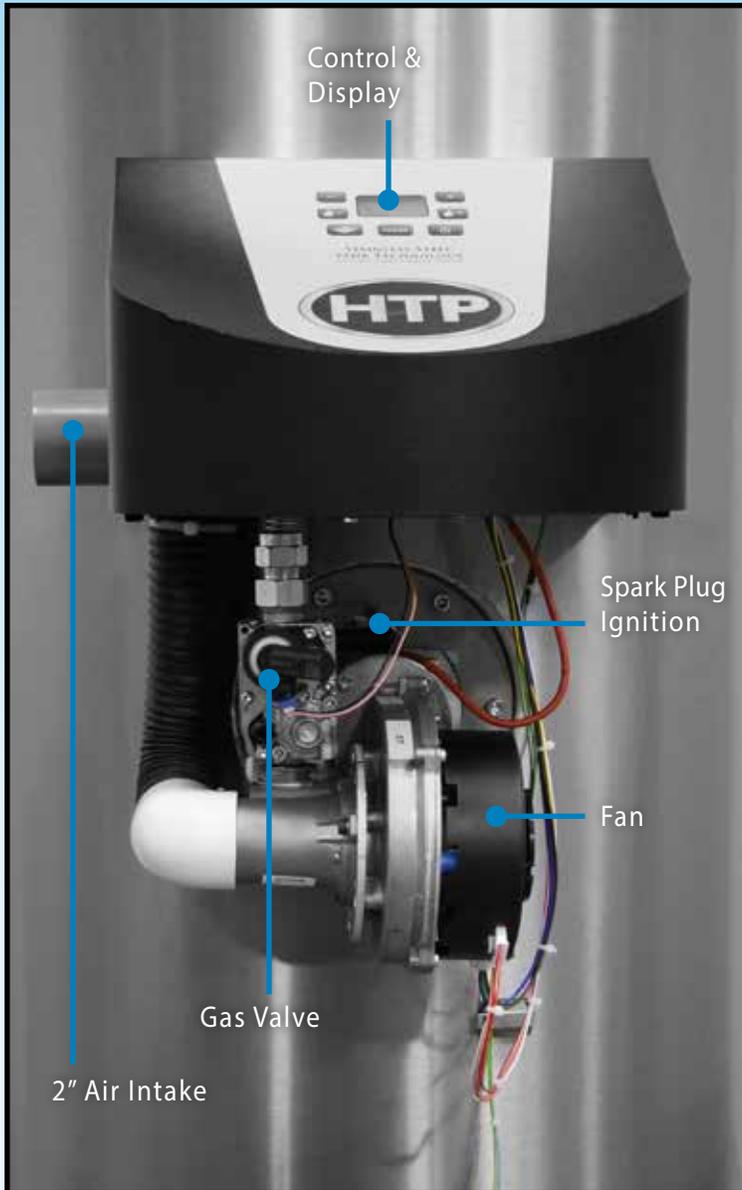
50, 60 & 80

Gallon Tanks

Phoenix LD

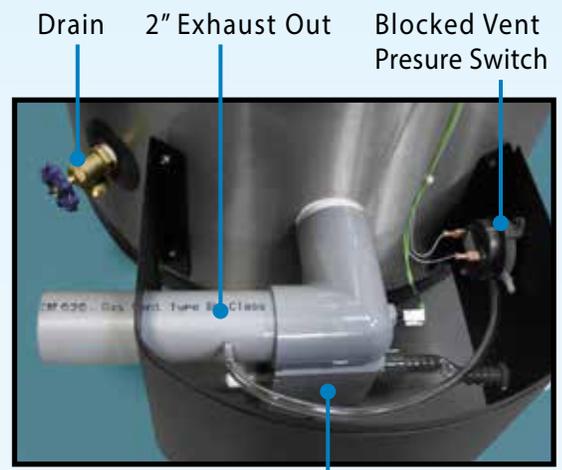
A CLOSER LOOK

High Efficiency Stainless Steel Gas-Fired Water Heater



Heat Exchanger
Cupronickel spiral design that expands and contracts rapidly with the change in temperature eliminating scale build-up.

- Durable Construction
- High Performance
- Excellent Heat Transfer Capabilities



Removable Condensate Cartridge System with built-in Condensate Neutralizer (patents pending): The condensate drain can be installed on the left or right to ease installation of the Phoenix LD.



SCALE BUILD-UP

NO Anode Rods Needed!
All coated tanks require anodes to delay the inevitable corrosion and tank failure. The Phoenix Light Duty stainless steel tank will out-last any coated steel tank in the market!

Control & Display



Functions

1. Menu Navigation Down
2. Menu Navigation Up
3. Decreases the DHW Setpoint
4. Increases the DHW Setpoint
5. ECO Mode: PROVIDES REAL ENERGY SAVINGS, WHEN LESS HOT WATER IS NEEDED
6. Reset
7. Off/DHW Mode Enable

Features

Modulating Combustion System

- 3:1 turndown ratio - 25,000 to 76,000 Btuh
- Ultra Low NOx compliant

Superior 316L Stainless Steel Tank Construction

- 3 tank sizes: 50, 60 & 80 gallon
- Laser welded precision, lightweight tank
- No anode rods needed

Highly Efficient Combustion Heat Exchanger

- Patent pending cupronickel heat exchanger design boasts excellent heat transfer properties and resists corrosion
- High grade stainless steel burner

Condensate System

- Removable condensate cartridge system with built-in condensate neutralizer (patents pending)

Venting

- 2" PVC, CPVC or ULC S636 pipe
- Combined vent length of 150 feet
- Two pipe / single pipe, balanced or unbalanced venting system

The Phoenix LD performs better than tankless

- Avoid inconsistent water fluctuations
- No minimum flow rates needed to provide hot water
- Deliver hot water to multiple outlets and large volume showers faster

Advanced Electronic Control

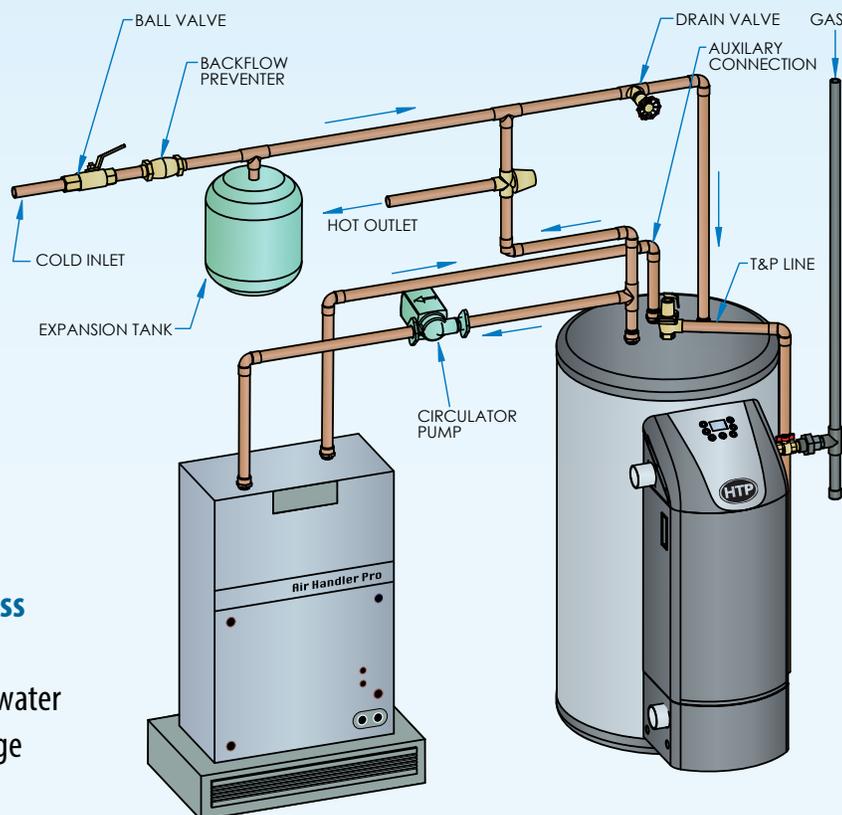
- Easy to read LCD (icon and text) display

Highly Efficient Operation

- Up to 97% thermal efficiency

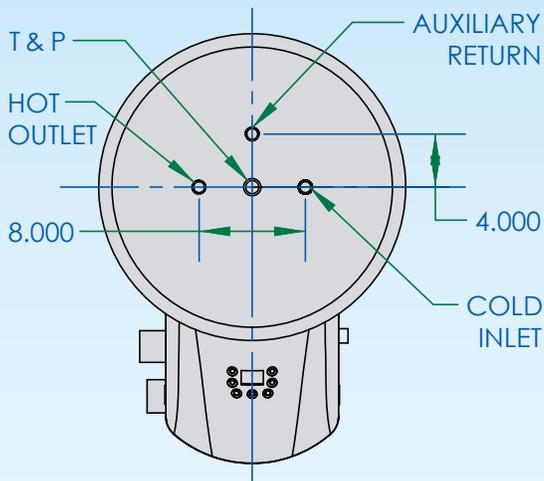
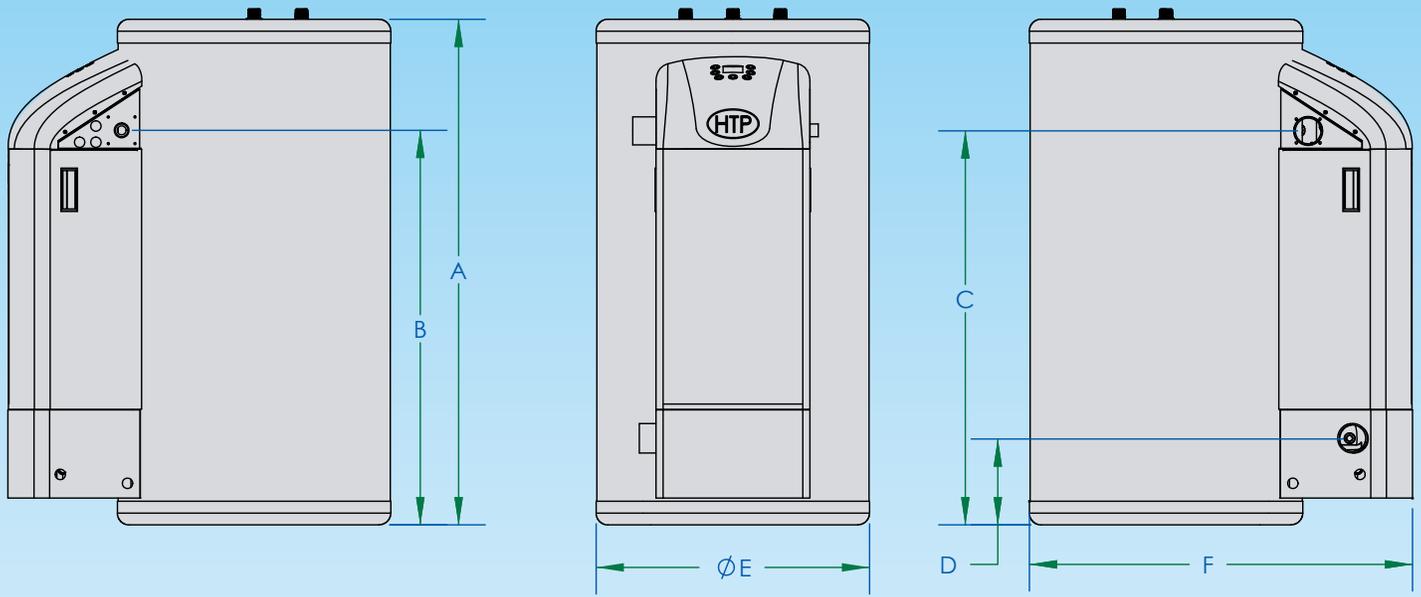
Ease of Installation

- Top ports on inlet and outlet (patent pending integral inlet mixing device)
- Top connect auxiliary port for recirculation line or AIR HANDLER piping, increases overall efficiency



Phoenix LD Installation with an Air Handler

Phoenix LD Specifications



STANDARD FEATURES

- Up to 97% Thermal Efficiency
- Modulating Burners with Up to 3:1 Turndown Ratio
- Vents in PVC, CPVC, Stainless Steel, ULC S636
- Spark ignition with flame monitoring
- Flame stabilization monitoring
- Integrated Control System
- Pressure relief pre-piped
- Limited Warranty:

Residential: 10 year if registered online & **7 year** if not registered

Commercial: 3 year (upgradeable to 5 year with additional charge)

WHAT'S IN THE BOX

- Intake PVC Tee w/ Screens
- Exhaust PVC Coupling w/ Screens
- Installation Manual
- Temperature & Pressure Relief Valve
- Warranty
- Condensate Cartridge

OPTIONAL EQUIPMENT

- Outdoor Sensor
- 2" or 3" PVC Concentric Vent Kit
- 2" or 3" Stainless Steel Outside Termination Vent Kit
- 3" Polypro Vent Kit
- PC Connection Cable w/ Software

MODEL	A	B	C	D	E	F	SHIPPING WEIGHT	THERMAL EFFICIENCY	MAX. TEMP LIMIT
PH76-50	46.75"	36.25"	33.25"	7.25"	23"	32.25"	155 LBS	97%	160°F
PH76-60	54.75"	36.25"	33.25"	7.25"	23"	32.25"	170 LBS	97%	
PH76-80	72.75"	36.25"	33.25"	7.25"	23"	32.25"	195 LBS	95%	

MODEL	BTUH	VENT SIZE	GAS LINE	GALLON CAPACITY	INLET/OUTLET SIZE	RELIEF VALVE	AUX CONN.	RECOVERY GPH AT 90° F RISE	FIRST HOUR RATING
PH76-50	25,000 - 76,000	2"	1/2"	50	3/4" NPT	3/4" FNPT	3/4" NPT	98	133 GAL.
PH76-60	25,000 - 76,000			60					140 GAL.
PH76-80	25,000 - 76,000			80					154 GAL.