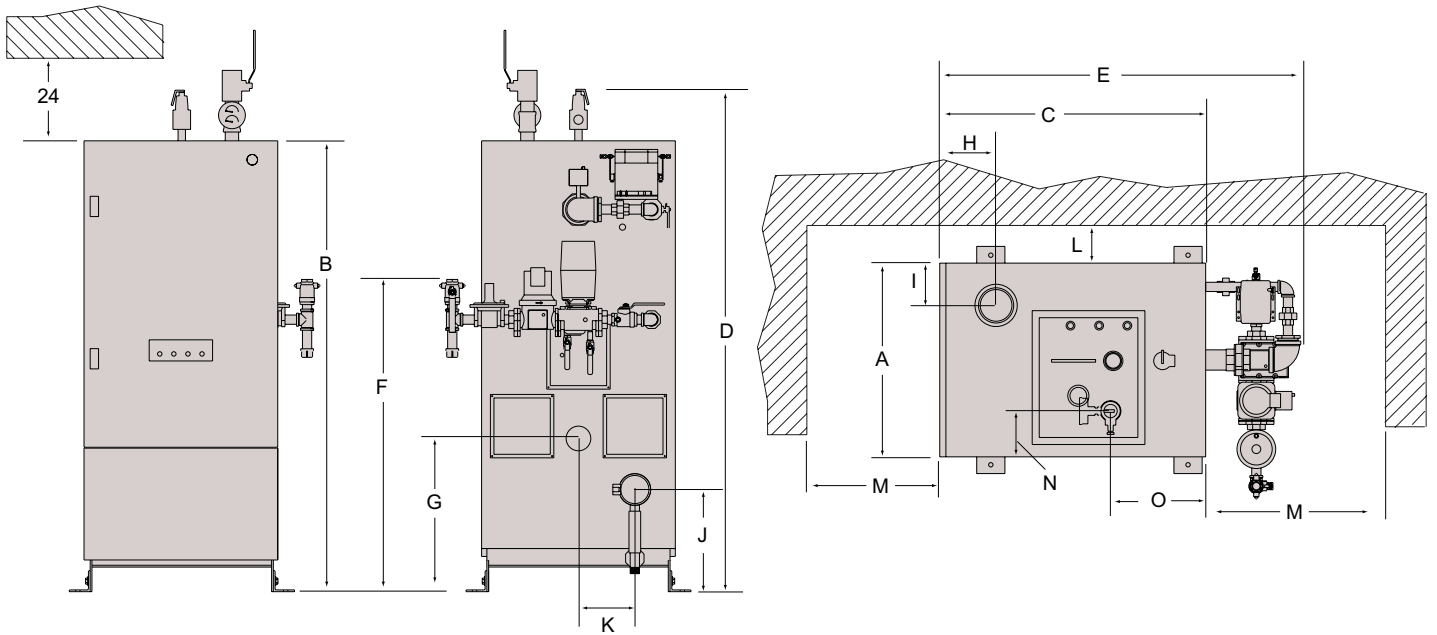


**Product Data Submittal**  
 Fulton Pulse Model PHW-1400QT

**Pulse Combustion  
 Hydronic Boilers**

Dimensions	Model	PHW-1400QT	
A. Boiler Width	IN	33.6	
	MM	855	
B. Boiler Height	IN	81	
	MM	2057	
C. Boiler Depth	IN	49.75	
	MM	1264	
D. Boiler Height w/trim	IN	88.1	
	MM	2238	
E. Boiler Depth w/trim	IN	62.6	
	MM	1591	
F. Gas Inlet Height	IN	62	
	MM	1575	
G. Return Water Inlet	IN	29.8	
	MM	756	
H. Air Inlet Depth	IN	11.5	
	MM	292	
I. Air Inlet Width	IN	7.4	
	MM	188	
J. Exhaust Outlet Height	IN	19.1	
	MM	486	
K. Exhaust Outlet Width	IN	9	
	MM	229	
L. Min. Clearance to Walls	IN	1	
	MM	26	
M. Min. Clearance to Front and Rear	IN	38	
	MM	965	
N. Water Out From Side	IN	10.6	
	MM	270	
O. Water Out From Back	IN	17	
	MM	432	



# Specifications

<b>Model</b>	<b>PHW-1400QT</b>	
Fuel	Natural Gas Propane	
Input	BTU/Hr. KCAL/Hr.	1,400,000 353,000
Fuel Consumption @ rated capacity:		
Natural Gas	FT3/Hr. M3/Hr.	1400 39.6
Propane	FT3/Hr. M3/Hr.	560 15.9
Electrical Requirements	Amps 120V/60/1 240V/60/1	4.2 max; 0.6 run mode 2.1 max; 0.3 run mode
MAWP	PSI BAR	60/160 4.1/11.0
Water Content	Gal Liters	80 303

## Boiler Connection Sizes

Safety Valve Inlet	IN	1
	MM	26
Safety Valve Outlet	IN	1.25
	MM	31.8
Water Inlet & Outlet	IN	2.5
	MM	63.5
Air Inlet	IN	4
	MM	102
Gas Inlet	IN	1.25
	MM	31.8
Exhaust Outlet	IN	4
	MM	102

## Approximate Weights

Dry Weight	LB	2,970
	KG	1,347
Shipping Weight	LB	3,410
	KG	1,547
Operating Weight	LB	3,635
	KG	1,649
Floor Loading	LB/FT2	312
	KG/M2	1,523

## NOTES:

1. We reserve the right to change specifications and/or dimensions.
2. Operating specifications may change based on field conditions.
3. The turndown ratio for modulated Propane fired boilers is 3:1.
4. The following trim kit items will ship with each PHW-1400QT boiler: Elastomer cubes, flex connectors for gas and waterside connections, an air intake muffler and an exhaust muffler. These items must be installed with the boiler in order to achieve the specified sound level.
5. Utilizing McGill AirFlow ACOUSTI k-27 Double Wall vent material (4" ID x 1" thick insulation for the PHW-1000QT - PHW-1400QT and 6" ID x 2" thick insulation for the PHW-2000QT) for the first eight (8) feet plus one (1) elbow of the air intake piping can replace an air intake muffler.

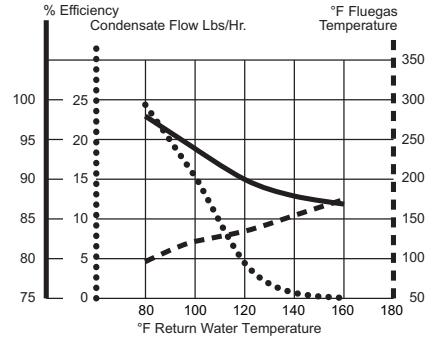


Fulton Heating Solutions, Inc.  
972 Centerville Road  
Pulaski, New York USA 13142  
Call 315-298-5121  
Fax 315-298-6390

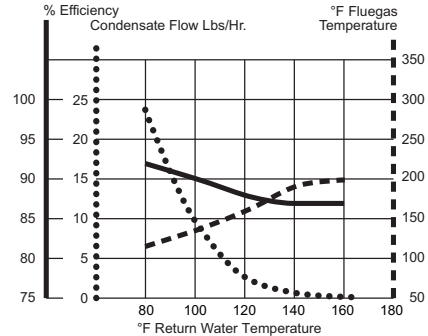
# Efficiency Curves

% Efficiency    Condensate Flow Lbs/Hr.    °F Fluegas Temperature

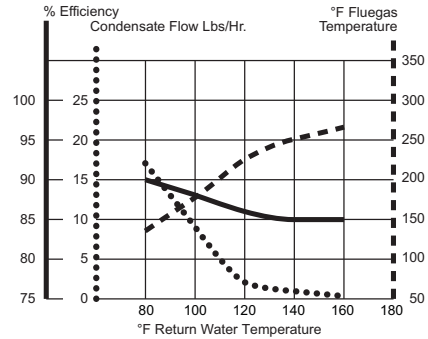
## PHW 1400QT LOW FIRE



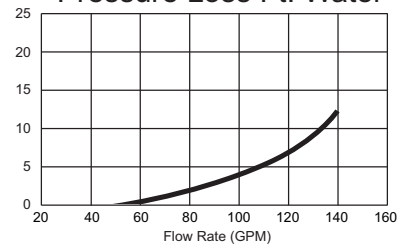
## MID FIRE



## HIGH FIRE



## Pressure Loss Ft. Water



## Installation Notes

1. Natural Gas Pressure Required: 7" W.C. - 11" W.C.
2. Propane Gas Pressure Required: 11" W.C. - 14" W.C.
3. Any pulse boiler can have the venting extended to 100 ft. and 6 elbows by increasing the vent size one additional pipe diameter. The exception is the PHW1400, which must be upsized from 4" to 6" AFTER the first 10 feet and then may extend an additional 40 feet.