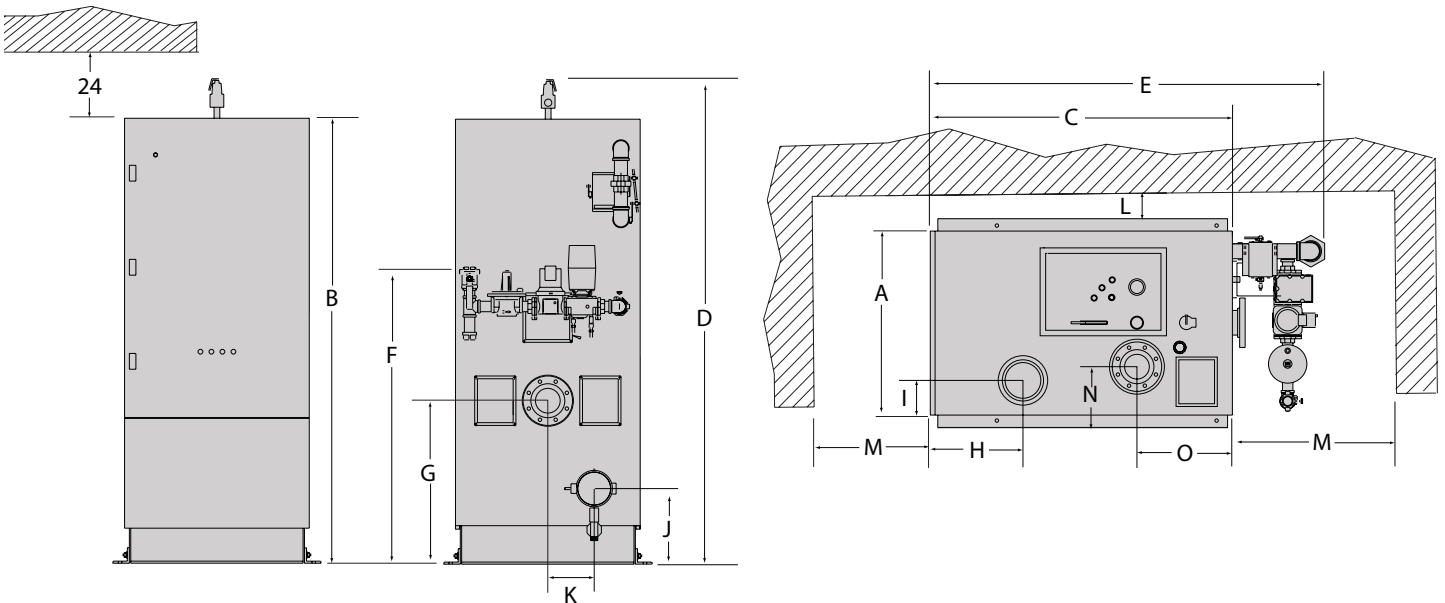


**Product Data Submittal**  
 Fulton Pulse Model PHW-2000QT

**Pulse Combustion  
 Hydronic Boilers**

Dimensions	Model	PHW-2000QT	
A. Boiler Width	IN	33.6	
	MM	855	
B. Boiler Height	IN	81	
	MM	2057	
C. Boiler Depth	IN	55	
	MM	1397	
D. Boiler Height w/trim	IN	89	
	MM	2261	
E. Boiler Depth w/trim	IN	70.1	
	MM	1781	
F. Gas Inlet Height	IN	54.1	
	MM	1375	
G. Return Water Inlet	IN	29.8	
	MM	756	
H. Air Inlet Depth	IN	16.8	
	MM	429	
I. Air Inlet Width	IN	6.4	
	MM	162	
J. Exhaust Outlet Height	IN	13.8	
	MM	349	
K. Exhaust Outlet Width	IN	8.5	
	MM	218	
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	8.9	
	MM	226	
O. Water Out From Back	IN	17.4	
	MM	441	



# Specifications

<b>Model</b>	<b>PHW-2000QT</b>	
<b>Fuel</b>	Natural Gas Propane	
<b>Input</b>	BTU/Hr. KCAL/Hr.	2,000,000 503,992
<b>Fuel Consumption @ rated capacity:</b>		
Natural Gas	FT3/Hr. M3/Hr.	2000 56.6
Propane	FT3/Hr. M3/Hr.	720 20.4
<b>Electrical Requirements</b>	Amps 120V/60/1 240V/60/1	10 max; 0.75 run mode 5 max; 0.4 run mode
<b>MAWP</b>	PSI BAR	60/160 4.1/11.0
<b>Water Content</b>	Gal Liters	75 284

## Boiler Connection Sizes

<b>Safety Valve Inlet</b>	IN	1.25
	MM	31.8
<b>Safety Valve Outlet</b>	IN	1.50
	MM	38.1
<b>Water Inlet &amp; Outlet</b>	IN	4 Flanged
	MM	104
<b>Air Inlet</b>	IN	6
	MM	152
<b>Gas Inlet</b>	IN	1.5
	MM	38
<b>Exhaust Outlet</b>	IN	6
	MM	152

## Approximate Weights

<b>Dry Weight</b>	LB	3,785
	KG	1,717
<b>Shipping Weight</b>	LB	4,670
	KG	2,119
<b>Operating Weight</b>	LB	4,385
	KG	1,989
<b>Floor Loading</b>	LB/FT2	342
	KG/M2	1,670

## 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-2000QT 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.

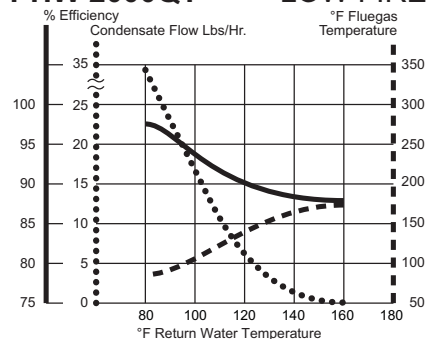


Fulton Heating Solutions, Inc.  
972 Centerville Road  
Pulaski, New York USA 13142  
Call 315-298-5121  
Fax 315-298-6390

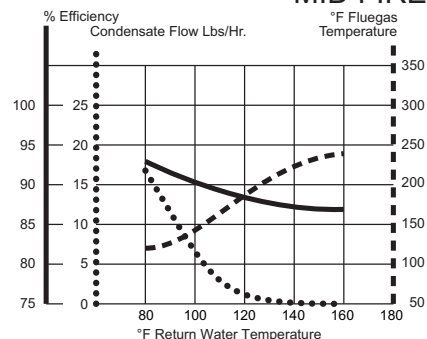
# Efficiency Curves

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

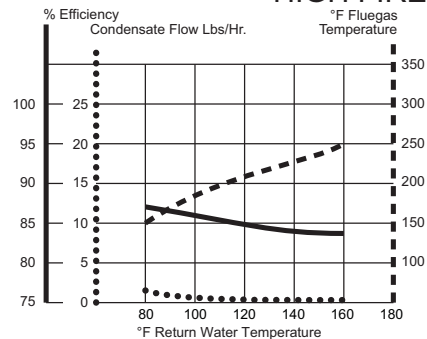
## PHW 2000QT LOW FIRE



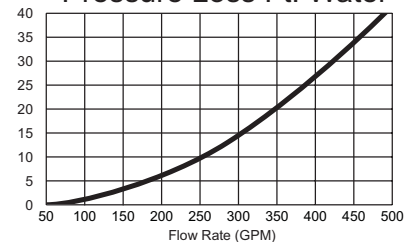
## MID FIRE



## 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.