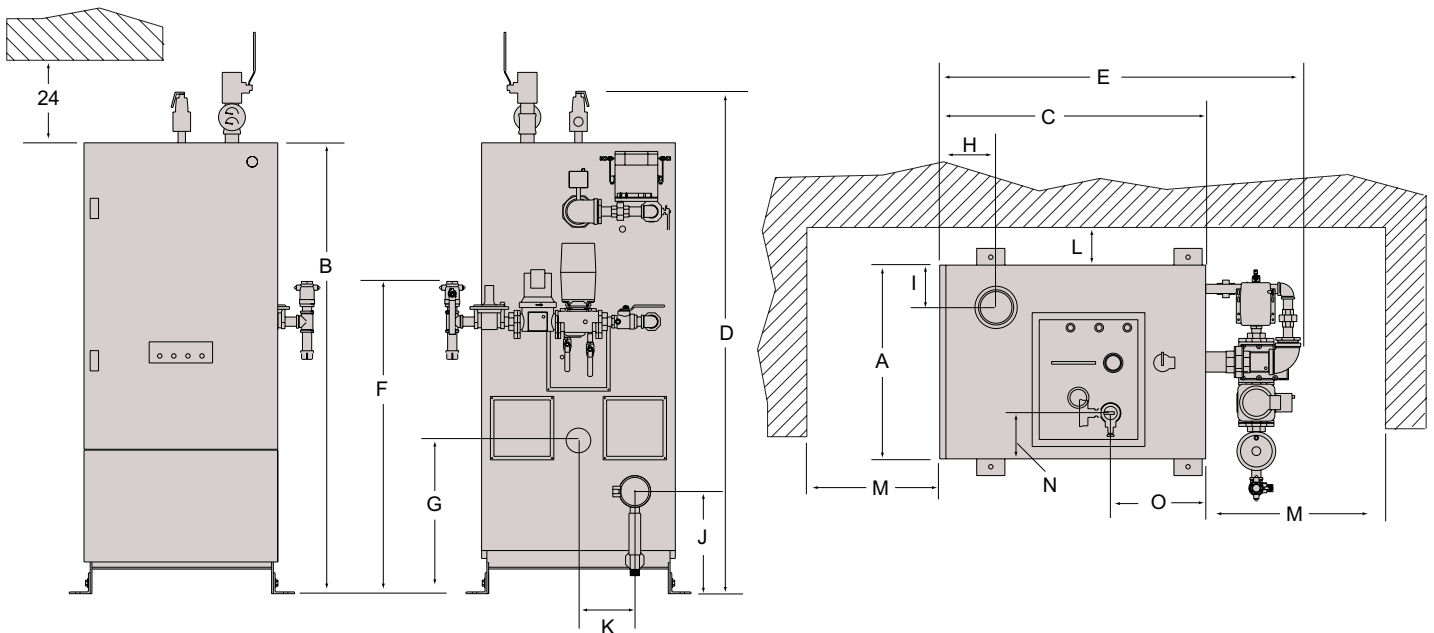


Product Data Submittal
Fulton Pulse Model PHW-1000QT

**Pulse Combustion
Hydronic Boilers**

Dimensions	Model	PHW-1000QT	
A. Boiler Width	IN	27.5	
	MM	699	
B. Boiler Height	IN	76	
	MM	1,930	
C. Boiler Depth	IN	37.8	
	MM	960	
D. Boiler Height w/trim	IN	83.3	
	MM	2,115	
E. Boiler Depth w/trim	IN	51.3	
	MM	1,303	
F. Gas Inlet Height	IN	54.5	
	MM	1,384	
G. Return Water Inlet	IN	21.4	
	MM	544	
H. Air Inlet Depth	IN	8.5	
	MM	216	
I. Air Inlet Width	IN	6	
	MM	152	
J. Exhaust Outlet Height	IN	14	
	MM	356	
K. Exhaust Outlet Width	IN	8	
	MM	203	
L. Min. Clearance to Walls	IN	1	
	MM	25	
M. Min. Clearance to Front and Rear	IN	32	
	MM	813	
N. Water Out From Side	IN	6.5	
	MM	165	
O. Water Out From Back	IN	13.5	
	MM	343	



Specifications

Model	PHW-1000QT	
Fuel	Natural Gas Propane	
Input	BTU/Hr. KCAL/Hr.	1,000,000 252,000
Fuel Consumption @ rated capacity:		
Natural Gas	FT3/Hr. M3/Hr.	1000 29.3
Propane	FT3/Hr. M3/Hr.	400 11.4
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	42 159

Boiler Connection Sizes

Safety Valve Inlet	IN	0.75
	MM	19.1
Safety Valve Outlet	IN	1
	MM	25.4
Water Inlet & Outlet	IN	2
	MM	50.8
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	1,800
	KG	816
Shipping Weight	LB	2,020
	KG	916
Operating Weight	LB	2,150
	KG	975
Floor Loading	LB/FT2	300
	KG/M2	1,425

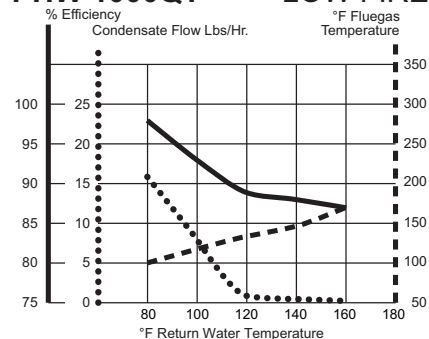
NOTES:

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-1000QT 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.

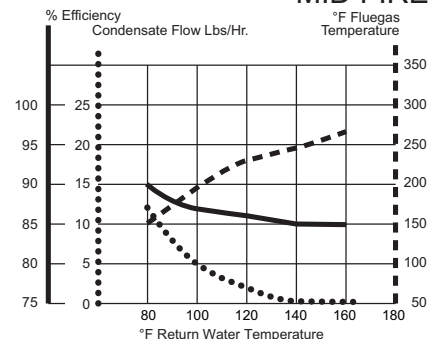
Efficiency Curves

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

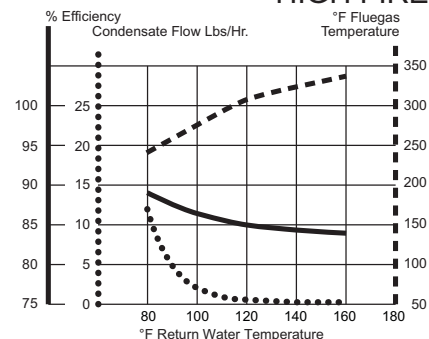
PHW 1000QT LOW FIRE



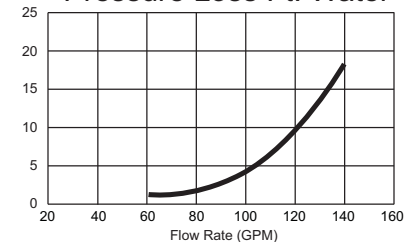
MID FIRE



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.



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