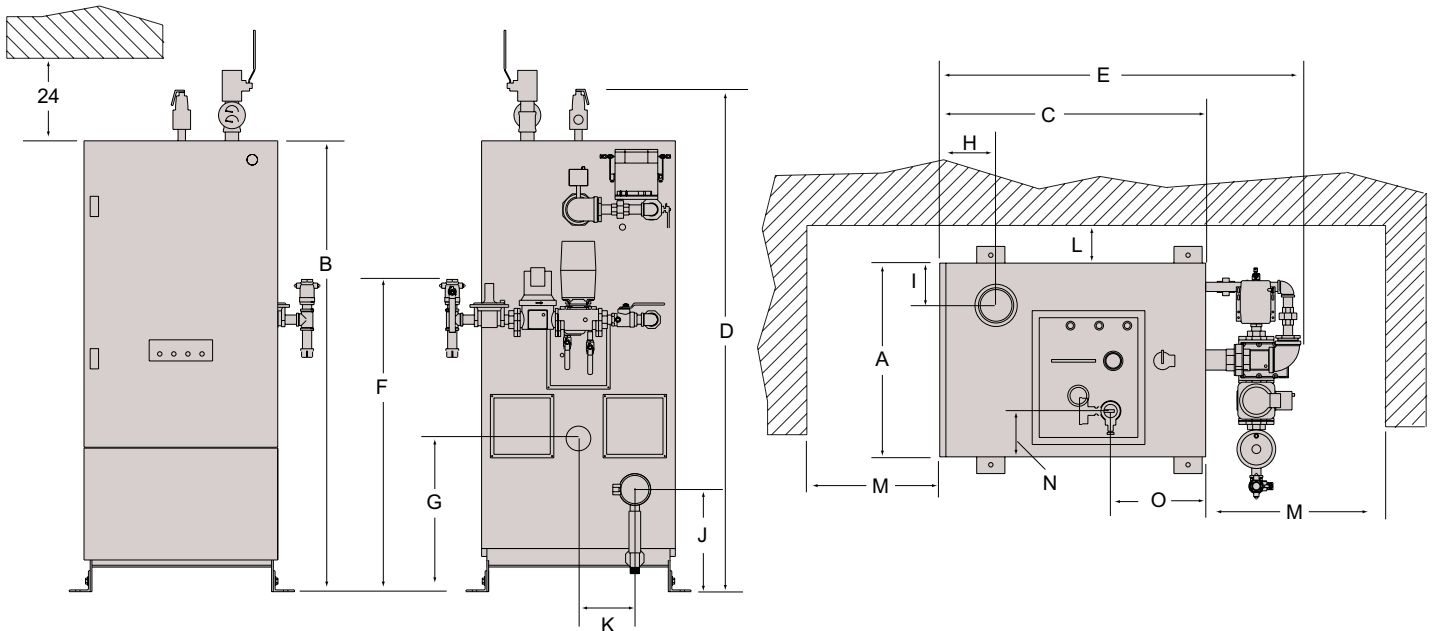


Product Data Submittal
Fulton Pulse Model PHW-1400

**Pulse Combustion
Hydronic Boilers**

Dimensions

Model	PHW-1400	
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

Model		PHW-1400
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	2,230
	KG	1,148
Shipping Weight	LB	2,900
	KG	1,315
Operating Weight	LB	3,195
	KG	1,450
Floor Loading	LB/FT2	275
	KG/M2	1,306

NOTES:

1. We reserve the right to change specifications and/or dimensions.
2. Operating specifications may change based on field conditions.

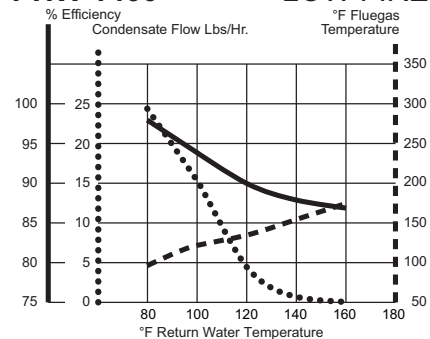
Installation Notes

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.

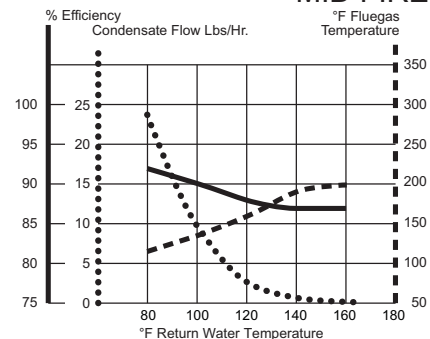
Efficiency Curves

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

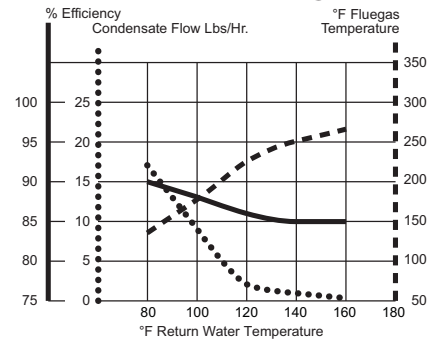
PHW 1400 LOW FIRE



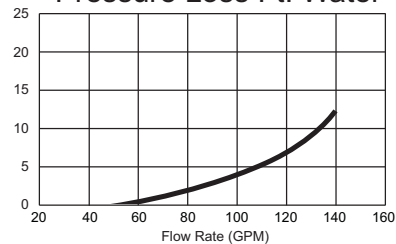
MID FIRE



HIGH FIRE



Pressure Loss Ft. Water



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