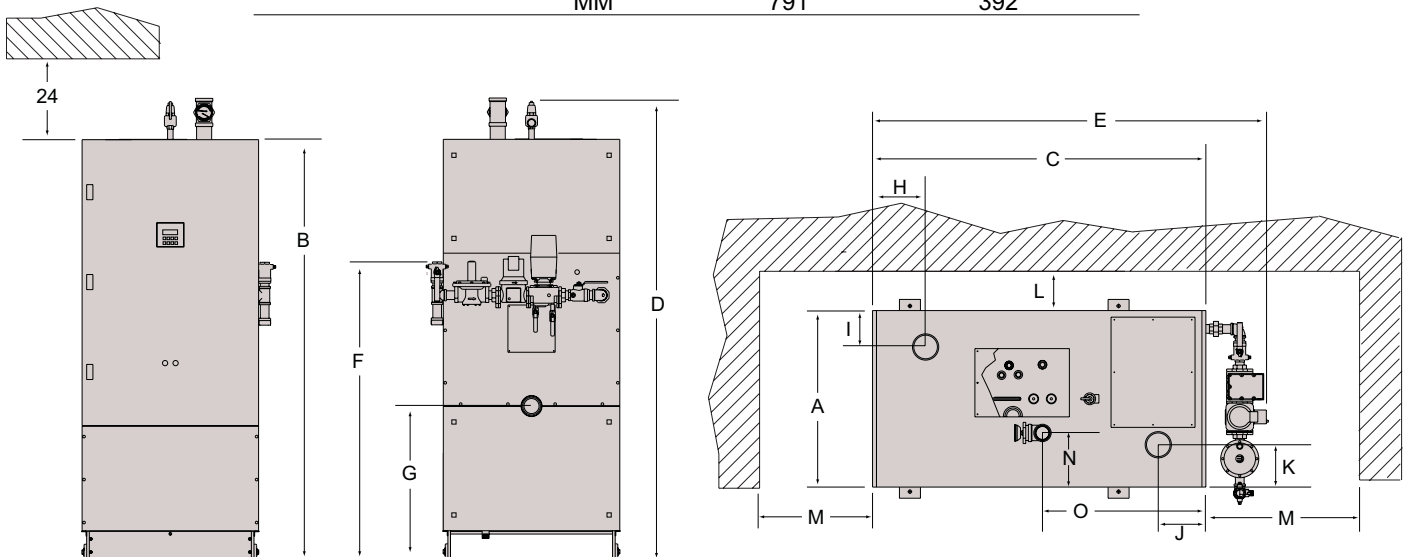


Product Data Submittal
Fulton Pulse Models
PHW-1400QT and PHW-2000QT

**Fulton PulseQT
Hydronic Boilers**

Dimensions	Model		PHW-1400QT	PHW-2000QT
A. Boiler Width		IN	33.6	33.6
		MM	855	855
B. Boiler Height		IN	81	81
		MM	2057	2057
C. Boiler Depth		IN	63.5	72.25
		MM	1613	1835
D. Boiler Height w/trim		IN	88.5	87.6
		MM	2248	2226
E. Boiler Depth w/trim		IN	75	84.6
		MM	1906	2149
F. Gas Inlet Height		IN	56.4	57.75
		MM	1433	1467
G. Return Water Inlet		IN	29.4	29.75
		MM	747	756
H. Air Inlet Depth		IN	10.1	15.6
		MM	257	398
I. Air Inlet Width		IN	7	25.8
		MM	178	655.3
J. Exhaust Outlet from Back		IN	9.5	10.13
		MM	241.3	257.3
K. Exhaust Outlet from Side		IN	8.5	8.5
		MM	216	216
L. Min. Clearance to Walls		IN	1	1
		MM	26	26
M. Min. Clearance to Front and Rear		IN	38	38
		MM	965	965
N. Water Out From Side		IN	10.4	8.8
		MM	264	224
O. Water Out From Back		IN	31.12	35.12
		MM	791	392



Specifications

Model		PHW-1400QT	PHW-2000QT
Fuel		Natural Gas or Propane See Note 1	Natural Gas or Propane See Note 1
Input	BTU/Hr. KCAL/Hr.	1,400,00 353,000	2,000,000 503,992
Output	BTU/Hr. 120°F in—140°F out KCAL/Hr. 49°C in— 60°C out	1,204,000 303,420	1,720,000 433,433
Fuel Consumption @ rated capacity:			
Natural Gas	FT3/Hr. M3/Hr.	1400 39.6	2000 56.6
Propane	FT3/Hr. M3/Hr.	560 15.9	720 20.4
Unit Size/Output	BHP KW	36 357	50 493
Electrical Requirements			
	120V,60 CY.1 Phase	15 Amp Service	15 Amp Service
MAWP	PSI BAR	60/160 4.1/11.0	60/160 4.1/11.0
Water Content	Gal Liters	80 303	75 284
Boiler Connection Sizes			
Safety Valve Inlet	IN MM	1 26	1.25 31.8
Safety Valve Outlet	IN MM	1.25 31.8	1.50 38.1
Water Inlet & Outlet	IN MM	2.5 63.5	4 (Flanged) 104
Air Inlet	IN MM	4 102	6 152
Gas Inlet	IN MM	1.25 38	1.5 38
Exhaust Outlet	IN MM	6 152	6 152
Approximate Weights			
Dry Weight	LB KG	2,970 1,347	3,785 1,717
Shipping Weight	LB KG	3410 1547	4670 2119
Operating Weight	LB KG	3,635 1,649	4,385 1,989
Floor Loading	LB/FT2 KG/M2	240 1,172	250 1,221

NOTES:

1. The turndown ratio for modulated PROPANE fired boilers is 3:1.
2. ASME Code limits the outlet water temperature to a max. operating temperature of 200°F for Stainless Steel tailpipes and 240°F for Carbon Steel tailpipes.

Air Intake Supply & Exhaust Vent Piping+	No. of Feet of Standard Dia. Pipe	No. of 90° Elbows
Min. length air intake supply piping	10 (3.1m)	0
Max. length air intake supply piping	35 (10.7m)	4
Min. length exhaust vent piping	10 (3.1m)	0
Max. length exhaust vent piping	35 (10.7m)	4

+Screened Termination Couplings inapplicable.

Air Intake Vent Specification

In order to meet the published air intake sound level, it is necessary to use the following vent material for the first eight (8) feet plus one (1) elbow of the air intake only.

Specification: McGill AirFlow ACOUSTI-k27 Double-wall.

PHW-1400QT: 4" ID x 1" thick insulation

PHW-2000QT: 6" ID x 2" thick insulation

Installation Notes

1. Natural Gas Pressure Required: 7" W.C. minimum.
2. Propane Gas Pressure Required: 11" W.C. minimum.
3. Any pulse boiler can have the venting extended to 100 ft. and 6 elbows by increasing the vent size one standard diameter size.
4. One condensate drain can be used for up to 8 boilers. The condensate drain requires a fresh water connection. The connection is a 1/4" compression fitting, and the water pressure shall be less than 100 PSI.



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