



Industrial/Commercial Division  
Fulton Heating Solutions, Inc.

## Product Data Submittal

Fulton Model: VTG-4000DF

# Fulton VANTAGE Commercial/Industrial Hydronic Heating Boilers

(Dual Fuel Burner - Gas/Oil)

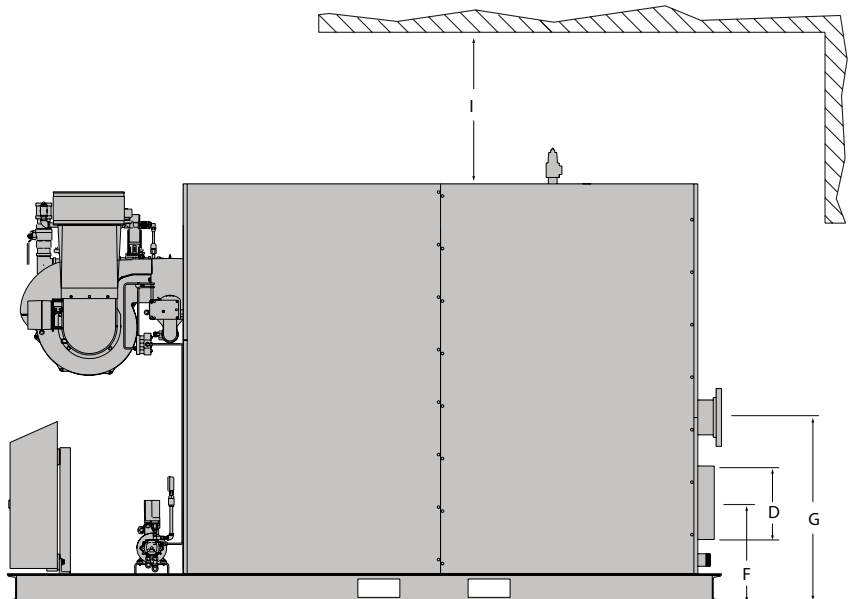
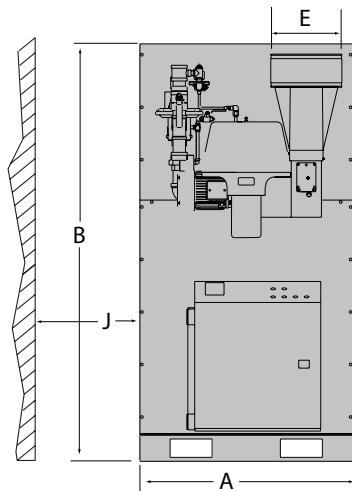
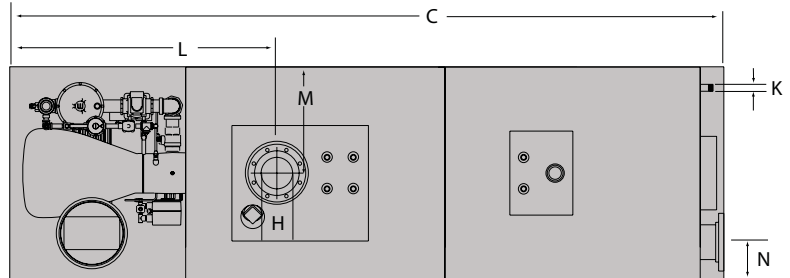
## Dimensions

A. Boiler Width	IN	40.5
	MM	1028
B. Boiler Height	IN	79.5
	MM	2019
C. Boiler Depth w/ Blower	IN	136
	MM	3454
D. Flue Outlet Diameter	IN	14
	MM	356
E. Air Inlet Diameter	IN	12
	MM	305
F. To Center of Flue Outlet	IN	18.75
	MM	476
G. To Center of Return Water Inlet	IN	35
	MM	889
H. Water Inlet/Outlet Diameter	IN	6
	MM	152
I. Min. Clearance to Ceiling	IN	24
	MM	610
J. Min. Clearance to either Side Wall *	IN	12
	MM	305
Min. Clearance to Front	IN	36
	MM	915
Min. Clearance to Rear	IN	24
	MM	610
K. Condensate Drain Diameter	IN	1
	MM	25.4

L. Water Outlet from Front of Skid	IN	50.75
	MM	1289
M. Water Outlet from Side	IN	20.25
	MM	514
N. Water Inlet from Side	IN	7.1
	MM	180

Specifications and Dimensions are approximate and for reference only. We reserve the right to change specifications and/or dimensions.

\* Consult factory for 1" side clearance.

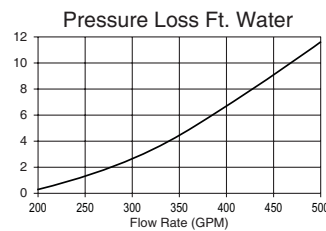
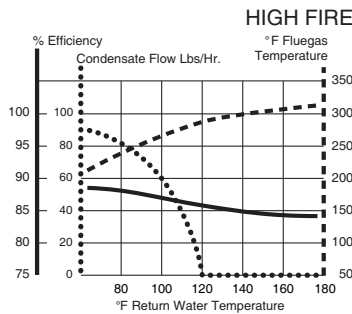
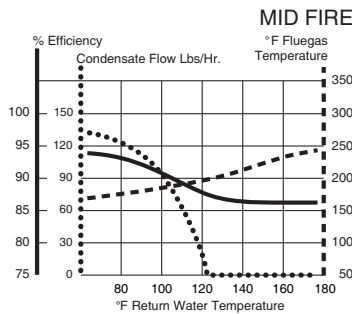
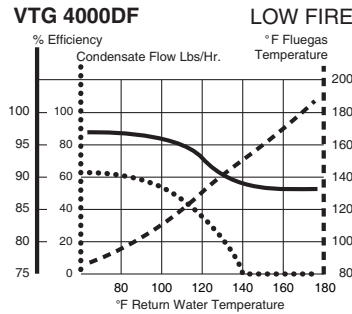


# Specifications

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**Industrial/Commercial Division**  
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Model		VTG-4000DF	
Fuel		Nat. Gas, LP, #2 Oil <b>See Note 1</b>	
Input	BTU/Hr. KCAL/Hr.	4,000,000 1,007,984	
Fuel Consumption @ rated capacity:			
Natural Gas	FT <sup>3</sup> /Hr. M <sup>3</sup> /Hr.	4000 113	
#2 Oil	GPH LPH	28.6 130	
Unit Size/Output	BHP KW	102 1008	
Electrical Requirements			
230V,60Hz,3 Phase	Amps	16.1	
460V,60Hz,3 Phase	Amps	8.1	
Blower Motor	HP KW	3 2.23	
MAWP	PSI BAR	160 11.0	
Max. suction to boiler mounted oil pump	Hg Bar	13 0.44	
Max. flow & return pressure to oil pump	PSI Bar	3 2	
Water Content	Gal Liters	240 911	
<b>Boiler Connection Sizes</b>			
Safety Valve Inlet	IN MM	1.25 31.8	
Safety Valve Outlet	IN MM	1.5 38.1	
Water Inlet & Outlet	IN MM	6 152	
Air Inlet	IN MM	12 305	
Exhaust Outlet	IN MM	14 356	
Gas Inlet	IN MM	2 50.8	
Oil Inlet Connection	IN MM	.375 9.5	
<b>Approximate Weights</b>			
Dry Weight	LB KG	5,800 2,636	
Shipping Weight	LB KG	6,300 2,864	
Operating Weight	LB KG	7,800 3,545	
Floor Loading	LB/FT <sup>2</sup> KG/M <sup>2</sup>	223 1,060	



## NOTES:

- The turndown ratio is 5:1 for Natural Gas; 3:1 for Propane; 2:1 for Oil

## Installation Notes

- Natural Gas Pressure Required: 11.5" W.C., consult factory for lower gas pressure applications. Minimum Propane Gas Pressure Required: 17" wc.
- One condensate drain can be used for up to 3 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.

## Air Intake Supply & Exhaust Vent Piping+

	No. of Feet of Standard Dia. Pipe	No. of 90° Elbows
Min. length air intake supply piping	0	0
Max. length air intake supply piping	35 (10.7m)	4
Min. length exhaust vent piping	0	0
Max. length exhaust vent piping	35 (10.7m)	4

+ Screened Termination Couplings inapplicable. Air intake and vent sizes may vary based on the installation. Please contact Fulton for vent sizing assistance. Consult factory for longer air intake and exhaust run requirements.