



Fulton Gas & Oil Fired Vertical Tubeless Hot Water Boilers

Product Data Submittal

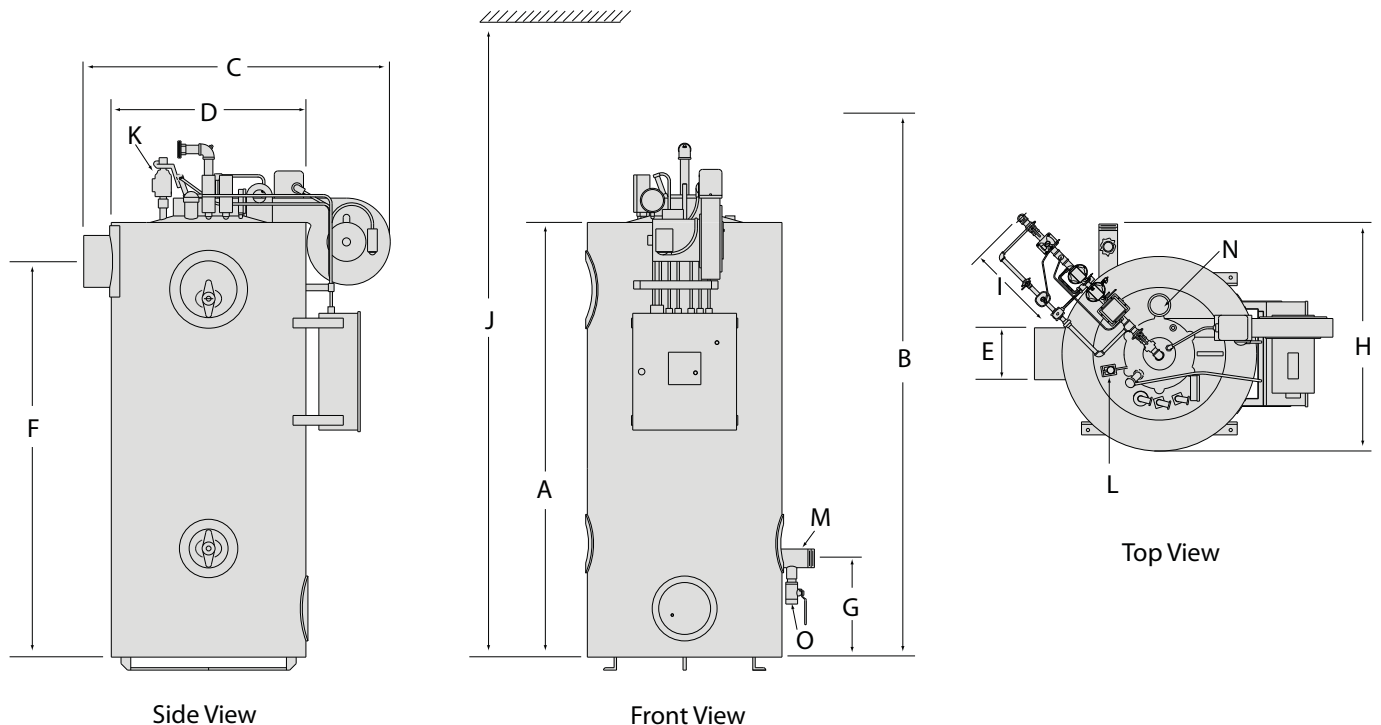
Fulton Models ICW6 - ICW30

Dimensions

Standard Models ICW		6	10	15	20	30
Unit Size:	BHP	6	10	15	20	30
A. Boiler Height	IN	57.5	63.5	69.5	72.5	82.5
	MM	1461	1613	1765	1842	2096
B. Boiler Height With Trim* & Fuel Train Assembly	IN	75	80.5	86.5	92.5	102
	MM	1905	2045	2197	2350	2591
C. Overall Depth Stack to Burner Fan Housing	IN	44	46	47	60	67
	MM	1118	1168	1194	1524	1702
D. Boiler Diameter	IN	26	28	30	39	46
	MM	660	710	760	990	1170
E. Flue Outlet Diameter	IN	6	6	8	10	12
	MM	152	152	203	254	305
F. To Center of Flue Outlet	IN	52	58	63	66	73.5
	MM	1320	1473	1600	1675	1867
G. Return Water Inlet Height	IN	15.5	16	16.25	17.25	17.5
	MM	394	406	413	438	445
H. Overall Width	IN	31	33	35	42.5	50.5
	MM	787	838	889	1080	1283
I. Gas Train Extension (CSD-1)	IN	22.5	21.5	20.5	25	27
	MM	572	546	521	635	686
Minimum Clearances =						
J. Clearance Required for Trim & Burner Removal *	IN	82	86	92	96	106
	MM	2082	2184	2337	2438	2692

* This dimension is 6" less for oil fired units.

= Clearances for boilers are 36" on sides and rear of boiler and 41" in front.



Specifications

Models ICW		6	10	15	20	30
Boiler Connections						
K. Safety Valve Outlet	IN	0.75	0.75	1.5	1.5	1.5
	MM	19	19	38	38	38
L. Safety Valve Inlet	IN	0.75	0.75	0.75	1	1
	MM	19	19	19	25	25
M. Water Inlet Size	IN	1.5	2	2.5	2.5	3
	MM	38	51	64	64	76
N. Hot Water Outlet Size	IN	1.5	2	2.5	2.5	3
	MM	38	51	65	65	76
O. Boiler Drain Size	IN	1	1	1	1.25	1.25
	MM	25	25	25	32	32
Weights						
Approx. Shipping Weight	LB	1700	2000	2380	3400	4780
	KG	771	910	1080	1542	2168
Ratings* (Sea level to 3000 ft.)						
Output	1000 BTU/HR	203	339	509	678	1017
	1000 KCAL/HR	51	85	128	171	256
Approximate Fuel Consumption at Rated Capacity+++						
Light Oil	GPH	1.8	3	4.5	6	9
	LPH	6.8	11.4	17	22.7	34
Propane Gas	FT3/HR	100	168	251	335	502
	M3/HR	2.8	4.8	7.1	9.5	14.2
Natural Gas	FT3/HR	251	419	629	838	1256
	M3/HR	7.1	11.9	17.8	23.7	35.4
Natural Gas Boiler Connection Size (Std CSD-1)	IN	1	1	1	1.25	1.5
	MM	25	25	25	32	38
Oil Inlet Connection Size	IN	.25	.25	.25	.25	.25
	MM	6	6	6	6	6
Burner	3450 RPM/60 CY				1/3 gas	
Motor HP	2850 RPM/50 CY	1/3	1/3	1/3	3/4 oil	3/4
Electric Power Requirements - Burner Only (in Amps)						
120V, 60 CY, 1 Phase		7.2	7.2	7.2	7.2 gas 13.8 oil	13.8
230V, 50/60 CY, 1 Phase		3.6	3.6	3.6	3.6 gas 6.9 oil	6.9
208V, 50/60 CY, 3 Phase		1.9	1.9	1.9	1.9 gas 3.5 oil	3.5
230V, 50/60 CY, 3 Phase		1.6	1.6	1.6	1.6 gas 3.2 oil	3.2
460V, 50/60 CY, 3 Phase		.8	.8	.8	.8 gas 1.6 oil	1.6
Water Content						
	U.S. GAL	21	35	54	104	208
	LITERS	80	132	204	394	787

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

+ Consumption based on Light Oil 140,000 BTU/GAL / Natural Gas 1000 BTU/ft³; Propane 2500 BTU/ft³.

** IRI and CSA gas train size is 2". Natural Gas pressure required/main inlet is 7-14" W.C. LP Gas pressure required/main inlet is 14" W.C. Natural Gas pressure required/last elbow is 3/5" W.C. & Back Pressure. LP Gas pressure required/last elbow is 11" W.C. No. 2 Oil pressure required/oil pump is 230 PSI. Design conditions 160F return, 180F supply.

-- Consult factory.

Notes:

1. Model sizes up to and including ICW30 have threaded inlet and outlet as shown on schematic. All larger sizes have flanged inlet and outlet.



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