



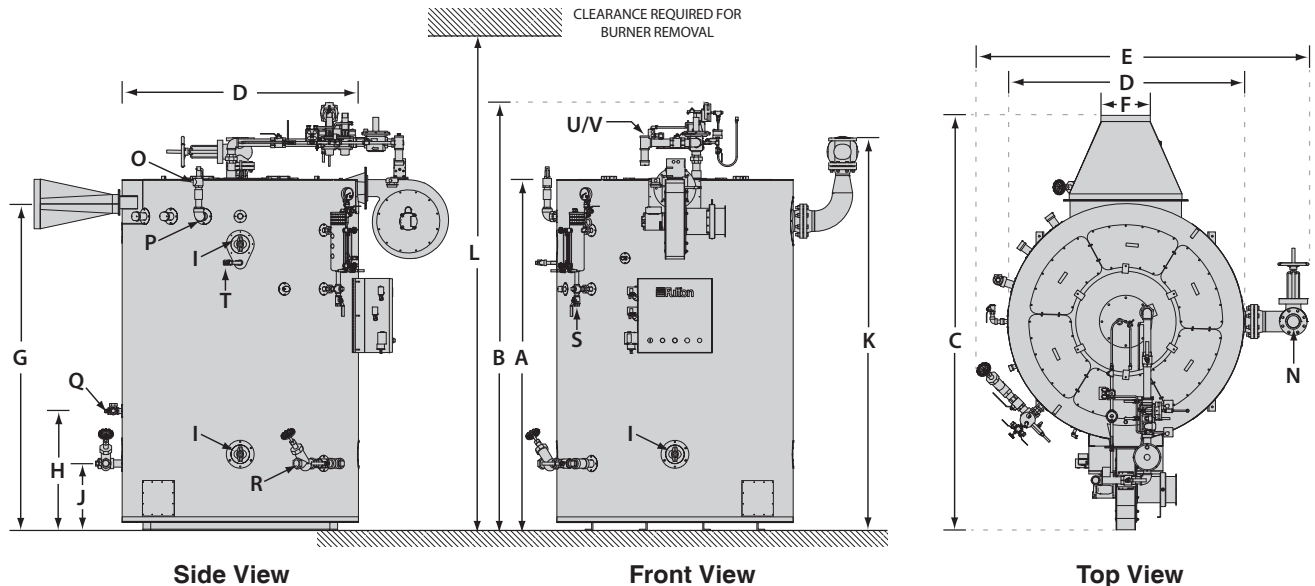
Product Data Submittal
 Fulton Model: VMP (Standard burner)

**Fulton Vertical MultiPort
 Steam Boilers**

Dimensions

Standard Models VMP		40	49.5	50	60	80	100	130	150	
Unit Size	BHP	40	49.5	50	60	80	100	130	150	
Height										
(A)	Boiler Overall	IN	84	91	88	94	100	102.5	114	113.5
		MM	2133	2312	2235	2388	2540	2603	2895	2883
(B)	Boiler Height w/ Trim* & Fuel Train Assembly	IN	98	112	102	116	122	124	138.5	138.5
		MM	2489	2832	2591	2946	3099	3150	3518	3518
Width & Depth										
(C)	Overall Depth Stack to Burner Fan Housing	IN	97.5	100	101.5	101	115	120	129	131
		MM	2476	2540	2578	2565	2921	3048	3277	3327
(D)	Boiler Diameter	IN	51	55	54.5	54.5	62.5	69	76.5	76.5
		MM	1295	1397	1384	1384	1587	1753	1943	1943
(E)	Overall Width with Water Column	IN	80	62	82.5	82.5	94.5	99.5	107	107
		MM	2032	1575	2095	2095	2400	2527	2718	2718
(F)	Flue Outlet Diameter	IN	12	12	12	12	14	14	14	16
		MM	305	305	305	305	356	356	356	407
(G)	To Center of Flue Outlet	IN	76.5	86	80.5	86.5	92	95	106	106
		MM	1943	2184	2045	2197	2337	2413	2692	2692
(H)	Feedwater Inlet	IN	35	35	35	35	35	35	39	39
		MM	889	889	889	889	889	889	991	991
(I)	Handholes - 3" x 4" (Quantity)	IN	21.125 (x4)	21.125 (x4)	21.125 (x4)	21.125 (x4)	21.125 (x5)	21.125 (x5)	25 (x5)	25 (x5)
		MM	536 (x4)	536 (x4)	536 (x4)	536 (x4)	536 (x5)	536 (x5)	635 (x5)	635 (x5)
(J)	Blowdown Outlet	IN	17.5	18	17.5	17.5	17.5	18	22	22
		MM	445	457	445	445	445	457	559	559
(K)	Height to Steam Outlet ¹	IN	73	77	76.5	82	88	88.5	100	100.5
		MM	1854	1956	1943	2083	2235	2248	2540	2552
(L)	Clearance Required for Burner Removal	IN	110	115	115	125	130	132	145	145
		MM	2794	2921	2921	3175	3302	3353	3683	3683
Weights										
Approx. Shipping Weight	LB	5900	6500	6800	7500	9300	10600	15500	16400	
	KG	2676	2948	3084	3402	4218	4808	7031	7439	
Approx. Operating Weight	LB	7216	8655	8682	9452	11564	13860	19155	19875	
	KG	3273	3926	3938	4287	5245	6287	8689	9015	

Specifications and dimensions are approximate. Fulton reserves the right to change specifications and/or dimensions.
NOTE: Recommended minimum clearance is 24" to the side and back of unit; 36" in front. ¹The boiler may be fitted with a 90° elbow spool piece making the steam connection higher.



Specifications

Models VMP			40	49.5	50	60	80	100	130	150
Boiler Connections										
(N)	Steam Outlet (IN) CL 150# Flange	15-25 PSI	4	4	4	4	6	6	*6	*6
		30-50 PSI	4	4	4	4	4	6	6	6
		55-70 PSI	3	3	3	3	4	4	6	6
		75-95 PSI	3	3	3	3	4	4	4	6
		100-150 PSI	3	3	3	3	3	3	4	4
(O)	Safety Outlet 15 PSI	IN	1.5	1.5	1.5	1.5	2	2	2	2
		MM	38	38	38	38	51	51	51	51
(P)	Safety Valve Inlet 15 PSI (2)	IN	1.25	1.25	1.25	1.25	1.5	1.5	2	2
		MM	32	32	32	32	38	38	51	51
(O)	Safety Outlet 150 PSI	IN	1	1.25	1.25	1.25	1.5	1.5	2	2
		MM	25	32	32	32	38	38	51	51
(P)	Safety Valve Inlet 150 PSI	IN NPT	.75	1	1	1	1.25	1.25	1.5	1.5
		MM	19	25.5	25.5	25.5	32	32	38	38
(Q)	Feedwater Inlet	IN	1	1	1	1	1	1.25	1.25	1.25
		MM	25.5	25.5	25.5	25.5	25.5	25.5	32	32
(R)	Blowdown Outlet (2)	IN	1.5	1.5	1.5	1.5	1.5	2	2	2
		MM	38	38	38	38	38	51	51	51
(S)	Watercolumn Blowdown	IN	1	1	1	1	1	1	1	1
		MM	25	25	25	25	25	25	25	25
(T)	Surface Blowdown	IN NPT	.75	.75	.75	.75	.75	.75	.75	.75
		MM	19	19	19	19	19	19	19	19
(U)	NG/LPG Connection Size (Std CSD-1)	IN	1.5	1.5	1.5	1.5	2	2	2	2
		MM	38	38	38	38	51	51	51	51
(V)	Oil Inlet Size	IN	.25	.25	.25	.25	.25	.25	.375	.375
		MM	6	6	6	6	6	6	9.5	9.5
Ratings** (Sea level to 3000 ft.)										
Output	1000 BTU/HR		1340	1656	1673	2009	2678	3347	4353	5022
	1000 KCAL/HR		338	417	422	506	675	843	1097	1266
Steam Output	LB/HR		1380	1708	1725	2070	2760	3450	4485	5175
	KG/HR		626	775	783	939	1252	1565	2035	2348
Approximate Fuel Consumption at Rated Capacity+										
Light Oil	GPH		11	13.9	14	17	22.8	28	37	42
	LPH		41.6	52.6	53	64.3	87	106	140	159
Propane Gas	FT ³ /HR		638	788	797	957	1275	1594	2080	2391
	M ³ /HR		18	22	23	27	36	45	59	14.2
Natural Gas	FT ³ /HR		1595	1972	1992	2392	3188	3985	5200	5978
	M ³ /HR		45	56	56	68	90	113	147	169
Gas Pressure Required for Standard Burners	Min. Inches WC		9	9	9	9	9	11	40	40
	Max. Inches WC		13	13	13	13	13	13	5 psig	5 psig
Burner Motor (Gas)	HP		1.5	1.5	1.5	1.5	3	3	10	10
	KW		1.1	1.1	1.1	1.1	2.2	2.2	7.5	7.5
Burner Motor (Oil/Combo)	HP		2	2	2	2	3	3	10	10
	KW		1.5	1.5	1.5	1.5	2.2	2.2	7.5	7.5
Electrical Power Requirements** (Burner Only)										
208V, 50/60 CY, 3 Phase	(Gas/Oil)	Amps	6.6/7.5	6.6/7.5	6.6/7.5	6.6/7.5	10.6	10.6	30.8	30.8
230 V, 50/60 CY, 3 Phase	(Gas/Oil)	Amps	6.0/6.8	6.0/6.8	6.0/6.8	6.0/6.8	9.6	9.6	28	28
460 V, 50/60 CY, 3 Phase	(Gas/Oil)	Amps	3.0/3.4	3.0/3.4	3.0/3.4	3.0/3.4	4.8	4.8	14	14
575 V, 60 CY, 3 Phase	(Gas/Oil)	Amps	3.7/4.0	3.7/4.0	3.7/4.0	3.7/4.0	5.2	5.2	12.3	12.3
Water Content										
	US Gallons		172	274	242	270	383	518	810	810
	Liters		651	1038	916	1022	1450	1960	3066	3066

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* Steam separator or dual steam nozzle design required. ** Steam output ratings at 212°F (100°C) feedwater temperature; 0 PSIG. +Consumption based on light oil 140,000 BTU/G; Natural Gas 1000 BTU/ft³; Propane 2500 BTU/ft³. ** Power requirements shown are for standard unit packages and may vary slightly when additional control options are added.

NOTE: 9" - 13" WC gas pressure is required during run for 40-60 HP boilers with standard burners; 9" - 13" WC is required during run for 80 HP boilers with standard burners; 11" - 13" WC is required during run for 100 HP boilers with standard burners; 40" WC is required for 130-150 HP boilers.



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