

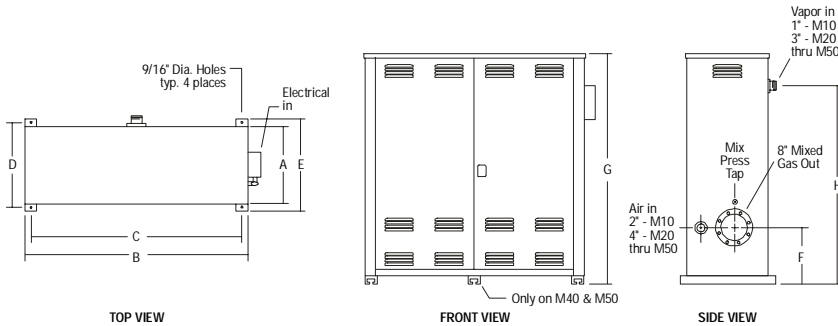
RANSOME

MANUFACTURING

Engineering and Equipment Manufacturing

M Series Mixers

LP-Gas is a highly concentrated source of energy, with 2516 BTU's per cubic foot gross heat content. It is too rich to use as a substitute for natural gas without dilution. The Ransome Manufacturing "M" Series Mixer blends in just the right amount of air for an equivalent mixture. A mixture with specific gravity of 1.31 (1480 BTU/Cu. Ft.) will approximately match 0.6 specific gravity natural gas with 1000 BTU/Cu. Ft. gross heat content.



MODEL	DIMENSIONS, IN								Shipping Weight LB.
	A	B	C	D	E	F	G	H	
M10	27	14	15.25	23.5	16.5	17.5	67.5	62	600
M20	27	28	24.5	29	32	17.5	69.5	64	810
M30	27	42	38.5	29	32	17.5	69.5	64	1020
M40	27	56	52.5	29	32	17.5	69.5	64	1288
M50	27	70	66.5	29	32	17.5	69.5	64	1540

MODEL	DIMENSIONS, CM								Shipping Weight KG.
	A	B	C	D	E	F	G	H	
M10	69	36	39	60	42	44	171	157	272
M20	69	71	62	74	81	44	177	163	376
M30	69	107	98	74	81	44	177	163	463
M40	69	142	133	74	81	44	177	163	581
M50	69	178	169	74	81	44	177	163	699

Selection Chart

If your peak load requirements are up to (1)			MODEL	Air Required SCFM (for 10-30 PSI only)	Vaporization Capacity Required (for M Series only) GPH Propane
Millions of BTU/HR	Thousands of SCFH Natural Gas (2)	Thousands of SCFH Mixed Gas (3)			
14.75	14.75	10	M10	75	180
29.50	29.50	20	M20	150	360
44.25	44.25	30	M30	225	540
59.00	59.00	40	M40	300	720
73.75	73.75	50	M50	375	900

Selection Chart - SI Conversion

If your peak load requirements are up to (1)			MODEL	Air Required M3/M (for 10-30 PSI only)	Vaporization Capacity Required (for M Series only) KG/HR
M KCAL/HR	M3/HR Natural Gas (2)	M3/HR Mixed Gas (3)			
3.72	413	280	M10	2.1	681.3
7.43	826	560	M20	4.2	1362.6
11.15	1239	840	M30	6.3	2043.9
14.87	1652	1120	M40	8.4	2725.2
18.59	2065	1400	M50	10.5	3406.5

(1) Units may be paralleled to achieve greater capacities. (2) Natural Gas; S.G.U. = .6 Gross Heat Content 1000 BTU/Cu. Ft. (3) Mixed Gas; Propane-Air, S.G.U. = Gross Heat Content 1480 BTU/Cu. Ft.



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