METER CLOCKING METHOD

Meter Clocking Method

Caution: Make certain there is no gas flow through the meter other than to the appliance being checked.
Use Table to determine exact rate of gas flow to appliance.

METER FLOW RATE – CUBIC FEET PER HOUR (cfh).

To convert cfh to cubic meter per hour (M^3/hr) multiply by .0283.

Sec for One Rev.	Meter Dial Used - Cu. Ft. per Rev.		Sec for One Rev.	Meter Dial Used - Cu. Ft. per Rev.			Sec for One Rev.	Meter Dial Used - Cu. Ft. per Rev.		
	1/2	1		1/2	1	2		1	2	5
10	180	360	35	52	103	206	60	60	120	300
11	164	327	36	50	100	200	62	58	116	290
12	150	300	37	49	97	195	64	56	112	281
13	139	277	38	48	95	189	66	55	109	273
14	129	257	39	46	92	185	68	53	106	265
15	120	240	40	45	90	180	70	52	103	257
16	113	225	41	44	88	176	72	50	100	250
17	106	212	42	43	86	172	74	49	97	243
18	100	200	43	42	84	167	76	48	95	237
19	95	189	44	41	82	164	78	46	92	231
20	90	180	45	40	80	160	80	45	90	225
21	86	171	46	39	78	157	84	43	86	214
22	82	164	47	38	77	153	88	41	82	205
23	78	157	48	38	75	150	92	39	78	196
24	75	150	49	37	74	147	96	38	75	188
25	72	144	50	36	72	144	100	36	72	180
26	69	138	51	35	71	141	105	34	69	172
27	67	133	52	35	69	138	110	33	66	164
28	64	129	53	34	68	136	120	30	60	150
29	62	124	54	33	67	133	130	28	55	138
30	60	120	55	33	66	131	140	26	52	129
31	58	116	56	32	64	129	150	24	48	120
32	56	113	57	32	63	126	160	23	45	113
33	55	109	58	31	62	124	170	21	43	106
34	53	106	59	31	61	122	180	20	40	100

To convert meter flow rate (cfh) to BTU per hour, multiply cfh (from table above) by the BTU heat content of the gas being used.

To convert input rating (BTU per hour as stamped on appliance nameplate) to meter flow rate (cfh).

Input rating in BTU per hour.

Input BTU/Hr. Per Spud	Natural Gas 1020 BTU - .65 SG 3-1/2" WC Manifold		Propane 2500 BTU - 1.5 SG 11" WC Manifold	
	Drill Size	Decimal Tolerance	Drill Size	Decimal Tolerance
12,000	51	.064 - .067	60	.038 - .040
15,000	48	0.73 - .076	58	.040 - .042
20,000	43	.086 - .089	55	.050 - .052
25,000	41	.093 - .096	53	.056 - .059
27,500	39	.097 - .100	53	.060 - .063
40,000	32	.113 - .116	49	.070 - .073
50,000	30	.124 - .128	46	.078 - .081
60,000	27	.140 - .144	43	.086 - .089
70,000	22	.153 - .157	42	.090 - .093
80,000	20	.156 - .161	40	.095 - .098
90,000	17	.168 - .173	38	.098 - .101
100,000	13	.180 - .185	35	.107 - .110
105,000	11	.186 - .191	34	.108 - .111
110,000	10	.188 - .193	33	.109 - .113
125,000	5	.200 - .205	1/8	.121 - .125
135,000	3	.208 - .213	30	.124 - .128
140,000	7/32	.214 - .219	30	.124 - .128
150,000	1	.223 - .228	29	.132 - .136
160,000	A	.229 - .234	28	.136 - .140
175,000	C	.237 - .242	27	.140 - .144
190,000	E	.245 - .250	25	.145 - .149
200,000	F	.252 - .257	23	.150 - .154
210,000	H	.261 - .266	21	.154 - .159
220,000	I	.267 - .272	20	.156 - .161
240,000	K	.276 - .281	18	.164 - .169
260,000	M	.290 - .295	16	.172 - .177
280,000	5/16	.307 - .312	13	.180 - .185
300,000	O	.311 - .316	11	.186 - .191
310,000	P	.318 - .323	9	.191 - .196
320,000	21/64	.323 - .328	7	.196 - .201

Refer to manufacturer's instructions and local codes.