

**FLOW CHART**  
**QUANTITY OF GAS FLOW THROUGH FIXED ORIFICES AT A GIVEN PRESSURE**  
 Natural – 1,050 BTU – 0.65 SP. GR.  
 LP – 2,500 BTU – 1.53 SP. GR.

DRILL NUMBER	ACTUAL DRILL SIZE	NATURAL					LP
		3.0	3.5	4.0	4.5	7.0	11.0
80	.0135	428	463	495	525	654	1273
79	.0145	494	534	571	605	755	1469
1/64	.0156	572	618	661	701	874	1700
78	.0160	602	650	695	737	919	1788
77	.0180	762	823	879	933	1163	2263
76	.0200	940	1016	1086	1152	1436	2794
75	.0210	1037	1120	1197	1270	1582	3081
74	.0225	1190	1285	1374	1457	1818	3536
73	.0240	1354	1462	1563	1658	2068	4024
72	.0250	1469	1587	1696	1799	2244	4366
71	.0260	1589	1716	1835	1946	2427	4722
70	.0280	1843	1991	2128	2257	2815	5476
69	.0292	2004	2165	2314	2455	3062	5956
68	.0310	2259	2440	2608	2767	3451	6713
1/32	.0313	2303	2487	2659	2820	3518	6843
67	.0320	2407	2600	2779	2948	3677	7153
66	.0330	2560	2765	2956	3135	3910	7607
65	.0350	2880	3110	3325	3527	4399	8557
64	.0360	3046	3291	3518	3731	4654	9053
63	.0370	3218	3476	3716	3941	4916	9563
62	.0380	3394	3666	3919	4157	5185	10087
61	.0390	3575	3862	4128	4379	5461	10625
60	.0400	3761	4062	4343	4606	5745	11176
59	.0410	3951	4268	4563	4840	6036	11742
58	.0420	4147	4479	4788	5078	6334	12322
57	.0430	4346	4695	5019	5323	6639	12916
56	.0465	5083	5490	5869	6225	7764	15104
3/64	.0469	5171	5585	5970	6333	7898	15365
55	.0520	6356	6865	7339	7785	9709	18888
54	.0550	7111	7680	8211	8709	10862	21131
53	.0595	8322	8989	9609	10192	12712	24730
1/16	.0625	9182	9918	10603	11246	14026	27286
52	.0635	9478	10238	10945	11609	14479	28167
51	.0670	10552	11398	12184	12924	16119	31357
50	.0700	11518	12441	13300	14107	17594	34228
49	.0730	12527	13530	14464	15342	19135	37225
48	.0760	13577	14665	15678	16629	20740	40347
5/64	.0781	14338	15487	16556	17560	21902	42608
47	.0785	14485	15646	16726	17741	22127	43045
46	.0810	15423	16658	17809	18889	23558	45831
45	.0820	15806	17072	18251	19358	24144	46969
44	.0860	17385	18778	20075	21293	26557	51663
43	.0890	18620	20111	21500	22804	28442	55331
42	.0935	20550	22197	23729	25168	31391	61067
3/32	.0938	20682	22339	23882	25330	31592	61460
41	.0960	21664	23399	25015	26532	33092	64377
40	.0980	22576	24384	26068	27649	34485	67087
39	.0995	23272	25137	26872	28502	35549	69156
38	.1015	24217	26157	27963	29660	36992	71964
37	.1040	25425	27462	29358	31139	38837	75553
36	.1065	26662	28798	30786	32654	40726	79229
7/64	.1094	28133	30388	32486	34456	42975	83603
35	.1100	28443	30722	32843	34835	43447	84522
34	.1110	28962	31283	33443	35472	44241	86066
33	.1130	30015	32420	34659	36761	45849	89195
32	.1160	31630	34165	36524	38739	48316	93994
31	.1200	33849	36562	39086	41457	51706	100589
1/8	.1250	36729	39672	42411	44984	56104	109145
30	.1285	38815	41925	44819	47538	59290	115343
29	.1360	43478	46961	50204	53249	66413	129200
28	.1405	46402	50120	53581	56831	70881	137892
9/64	.1406	46469	50192	53657	56912	70982	138088
27	.1440	48743	52649	56284	59698	74456	144847
26	.1470	50795	54865	58653	62211	77591	150945
25	.1495	52538	56747	60665	64345	80253	156123
24	.1520	54309	58661	62711	66515	82959	161389
23	.1540	55748	60215	64372	68277	85157	165664
5/32	.1563	57426	62027	66309	70332	87719	170649
22	.1570	57941	62584	66905	70963	88507	172181
21	.1590	59427	64188	68620	72783	90776	176596
20	.1610	60931	65813	70357	74625	93074	181066
19	.1660	64775	69965	74795	79332	98945	192487