

**Table P-1 Propane Low Pressure (Standard)**

		Maximum Capacity of TracPipe® CounterStrike® CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 11 in w.c. Pressure Drop: 0.5 in w.c. (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	100	71	59	52	46	43	36	33	30	28	27	27	25	24	22	19	17	16	14	13	11	9	9	8	8	8	8	6	6	6	6
1/2"	19	218	157	128	111	100	92	79	71	65	60	59	57	54	51	46	41	36	32	30	25	22	21	19	17	17	16	16	14	14	14	13
3/4"	25	545	388	318	277	249	226	198	177	161	150	146	141	133	127	112	103	90	81	73	63	57	52	49	46	43	41	38	36	35	35	33
1"	31	933	663	543	472	423	386	336	301	275	255	247	239	225	214	192	176	152	136	125	108	97	89	82	76	73	68	65	63	60	59	55
1 1/4"	37	1756	1249	1023	888	796	728	632	567	518	480	464	450	424	402	361	329	287	256	234	203	182	166	154	144	136	130	123	119	114	109	106
1 1/2"	46	2834	1997	1626	1406	1256	1145	990	885	806	746	720	697	657	622	556	507	439	391	358	309	275	252	233	217	204	195	185	177	169	163	158
2"	62	6558	4645	3797	3290	2945	2688	2331	2085	1905	1764	1704	1650	1556	1477	1322	1206	1047	936	855	741	663	605	560	524	494	469	448	429	412	397	383

\*Notes: Tables above include losses for four 90-degree bends and two end fittings. Tubing runs with larger numbers of bends and/or fittings shall be increased by the equivalent length of tubing to the following equation:  
 $L=1.3n$  where L is the additional length of tubing and n is the number of additional fittings and/or bends.

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**Table P-1A Propane Low Pressure**

		Maximum Capacity of TracPipe CounterStrike CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 11-12 in w.c. Pressure Drop: 1.0 in w.c. (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	138	100	82	71	65	59	52	46	43	40	38	36	35	33	30	27	24	22	19	17	16	14	13	13	11	11	11	9	9	9	9
1/2"	19	306	218	179	157	139	128	111	100	92	85	82	79	74	71	63	59	51	46	41	36	32	30	27	25	24	22	22	21	21	19	19
3/4"	25	763	545	446	388	348	318	277	249	226	211	204	198	187	177	158	146	127	112	103	90	81	73	68	63	60	57	54	52	51	49	47
1"	31	1309	933	765	663	595	543	472	423	386	359	347	336	317	301	269	247	214	192	176	152	136	125	116	108	101	97	92	89	85	82	79
1 1/4"	37	2467	1756	1438	1249	1119	1023	888	796	728	674	652	632	597	567	507	464	402	361	329	287	256	234	217	203	192	182	174	166	160	154	149
1 1/2"	46	4023	2834	2308	1997	1783	1626	1406	1256	1145	1059	1023	990	933	885	790	720	622	556	507	439	391	358	331	309	291	275	263	252	241	233	225
2"	62	9259	6558	5361	4645	4158	3797	3290	2945	2688	2490	2407	2331	2198	2085	1867	1704	1477	1322	1206	1047	936	855	792	741	698	663	632	605	581	560	541

Notes: EHD (Equivalent Hydraulic Diameter) A theoretical size which reflects the hydraulic performance of the tubing. It is not a true physical measure. This number is used to compare individual sizes between different manufactures. The higher the EHD number the greater the flow capacity of the piping. Tables above include losses for four 90-degree bends and two end fittings. Tubing runs with larger numbers of bends and/or fittings shall be increased by the equivalent length of tubing to the following equation:  $L=1.3n$  where L is the additional length of tubing and n is the number of additional fittings and/or bends.

**Table P-1B Propane**

		Maximum Capacity of TracPipe® CounterStrike® CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 12-14 in w.c. Pressure Drop: 2.0 in w.c. (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	190	138	114	100	89	82	71	65	59	55	54	52	49	46	41	38	33	30	27	24	22	19	17	17	16	16	14	14	13	13	13
1/2"	19	427	306	252	218	196	179	157	139	128	119	116	111	104	100	90	82	71	63	59	51	46	41	38	36	35	32	30	30	28	27	27
3/4"	25	1069	763	625	545	488	446	388	348	318	294	285	277	261	249	222	204	177	158	146	127	112	103	95	90	84	81	76	73	71	68	66
1"	31	1840	1309	1073	933	836	765	663	595	543	503	488	472	445	423	380	347	301	269	247	214	192	176	163	152	144	136	130	125	120	116	111
1 1/4"	37	3469	2467	2022	1756	1574	1438	1249	1119	1023	948	917	888	838	796	712	652	567	507	464	402	361	329	306	287	271	256	245	234	225	217	211
1 1/2"	46	5711	4023	3277	2834	2532	2308	1997	1783	1626	1504	1452	1406	1325	1256	1123	1023	885	790	720	622	556	507	469	439	413	391	374	358	344	331	318
2"	62	13073	9259	7568	6558	5869	5361	4645	4158	3797	3516	3398	3290	3103	2945	2635	2407	2085	1867	1704	1477	1322	1206	1118	1047	986	936	893	855	822	792	765

Notes: EHD (Equivalent Hydraulic Diameter) A theoretical size which reflects the hydraulic performance of the tubing. It is not a true physical measure. This number is used to compare individual sizes between different manufactures. The higher the EHD number the greater the flow capacity of the piping.

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**Table P-2 Propane Medium Pressure**

		Maximum Capacity of TracPipe CounterStrike CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 13-14 in w.c. Pressure Drop: 2.5 in w.c. (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	222	159	131	114	102	93	81	73	67	62	60	58	55	52	46	43	36	33	30	27	24	22	21	19	17	17	16	16	14	14	14
1/2"	19	491	353	290	254	228	209	182	164	150	140	135	131	124	118	108	97	85	76	70	57	51	46	43	40	38	36	35	33	32	30	30
3/4"	25	1192	850	698	606	545	497	432	388	355	329	318	309	291	277	249	226	198	177	161	141	127	116	106	100	95	90	85	82	79	76	73
1"	31	2512	1863	1720	1343	1106	976	883	825	771	719	696	673	632	596	533	470	398	352	320	239	214	196	182	169	160	152	146	139	133	128	125
1 1/4"	37	3870	2753	2256	1959	1756	1605	1393	1249	1142	1058	1023	991	936	888	796	728	632	567	518	450	402	367	340	320	301	287	272	261	252	242	234
1 1/2"	46	6393	4503	3668	3173	2834	2584	2234	1997	1821	1685	1626	1574	1484	1406	1256	1145	990	885	806	697	622	568	526	491	462	439	418	401	385	370	358
2"	62	14609	10347	8456	7329	6558	5990	5192	4645	4243	3930	3797	3676	3467	3290	2945	2688	2331	2085	1905	1650	1477	1349	1249	1168	1102	1047	997	955	918	885	855

\*Notes: Tables above include losses for four 90-degree bends and two end fittings. Tubing runs with larger numbers of bends and/or fittings shall be increased by the equivalent length of tubing to the following equation: L=1.3n where L is the additional length of tubing and n is the number of additional fittings and/or bends.

**Table P-3 Propane Elevated Pressure 2 psig**

		Maximum Capacity of TracPipe® CounterStrike® CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 2 psig Pressure Drop: 1.0 psi (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	649	558	453	389	347	316	271	243	220	203	196	189	177	169	144	137	118	105	96	84	74	68	63	60	57	54	52	49	47	46	44
1/2"	19	1528	1106	898	781	701	643	559	502	459	426	412	399	377	358	321	294	256	230	211	184	165	150	139	131	123	117	112	108	103	100	97
3/4"	25	3847	2745	2253	1959	1757	1607	1398	1254	1146	1064	1029	997	942	895	803	735	638	572	524	454	408	374	347	325	306	291	277	266	256	247	239
1"	31	6681	4756	3900	3387	3035	2775	2410	2161	1976	1832	1770	1716	1620	1537	1379	1260	1094	982	898	779	698	638	592	554	522	497	473	454	437	421	407
1 1/4"	37	12617	8977	7356	6387	5724	5233	4544	4072	3724	3452	3338	3233	3051	2897	2597	2373	2061	1848	1689	1466	1314	1202	1113	1043	985	934	891	855	822	792	766
1 1/2"	46	21574	15198	12381	10706	9565	8722	7541	6737	6145	5684	5489	5312	5005	4745	4240	3866	3342	2986	2723	2354	2104	1919	1775	1659	1563	1482	1412	1351	1298	1249	1206
2"	62	48362	34257	27999	24265	21715	19832	17186	15381	14047	13010	12571	12174	11480	10894	9750	8904	7717	6906	6306	5465	4891	4466	4137	3871	3651	3464	3304	3163	3040	2931	2831

Notes: EHD (Equivalent Hydraulic Diameter) A theoretical size which reflects the hydraulic performance of the tubing. It is not a true physical measure. This number is used to compare individual sizes between different manufactures. The higher the EHD number the greater the flow capacity of the piping. Table does not include effect of pressure drop across the line regulator. If the regulator loss exceeds 1/2 PSI (based on 11 inch outlet pressure) Do not use this chart. Pressure drops across a regulator will vary with flow rate. FGP-REG-5P has a 1/2 PSI pressure drop at a flow of 307 cubic feet per hour (774 MBTUh). CAUTION: Capacities shown in the table may exceed the maximum capacity for a selected regulator.

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**Table P-4 Propane Elevated Pressure 5 psig**

		Maximum Capacity of TracPipe CounterStrike CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 5 psig Pressure Drop: 3.5 psi (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	1165	1065	874	752	664	603	520	463	423	389	376	363	342	324	288	262	226	202	183	158	140	123	116	108	103	98	93	90	85	84	81
1/2"	19	2801	2061	1647	1433	1307	1193	1033	926	842	781	757	733	692	657	591	540	470	421	386	336	301	275	256	241	226	215	206	198	190	184	177
3/4"	25	7080	5052	4147	3605	3233	2959	2573	2307	2110	1959	1894	1835	1734	1647	1477	1351	1175	1053	964	838	752	687	638	598	564	537	511	491	472	454	440
1"	31	12349	8945	7207	6259	5610	5130	4455	3993	3653	3387	3273	3171	2994	2842	2547	2331	2023	1814	1659	1441	1290	1181	1094	1024	967	918	877	841	807	779	754
1 1/4"	37	23342	16607	13608	11816	10589	9683	8407	7535	6889	6387	6173	5982	5644	5361	4804	4392	3814	3418	3125	2714	2432	2223	2061	1930	1822	1731	1651	1582	1520	1466	1417
1 1/2"	46	40635	28625	23322	20166	18014	16430	14205	12690	11574	10706	10339	10006	9428	8939	7986	7283	6297	5625	5130	4436	3963	3615	3342	3125	2945	2791	2660	2546	2445	2354	2274
2"	62	90199	63890	52218	45255	40500	36987	32055	28687	26198	24265	23447	22706	21412	20320	18184	16607	14392	12880	11764	10195	9123	8331	7717	7221	6810	6461	6162	5901	5671	5465	5282

Table does not include effect of pressure drop across the line regulator. If the regulator loss exceeds 1 PSI (based on 11 inch outlet pressure) Do not use this chart. Pressure drops across a regulator will vary with flow rate. FGP-REG-5P has a 1 PSI pressure drop at a flow of 434 cubic feet per hour (1094 MBTUh). CAUTION: Capacities shown in the table may exceed the maximum capacity for a selected regulator.

**Table P-5 Propane Elevated Pressure 10 psig**

		Maximum Capacity of TracPipe® CounterStrike® CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 10 psig Pressure Drop: 7.0 psi (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	1769	1289	1070	939	847	779	684	617	568	529	513	497	472	450	405	374	328	296	272	237	215	198	184	173	165	157	150	144	139	135	130
1/2"	19	4091	2975	2470	2164	1952	1795	1574	1420	1306	1216	1178	1145	1085	1032	933	857	750	678	624	546	492	453	421	397	375	358	342	329	317	307	298
3/4"	25	9699	7106	5923	5206	4710	4340	3814	3450	3179	2967	2877	2794	2650	2528	2286	2107	1852	1675	1544	1357	1227	1130	1054	994	942	899	861	828	800	773	749
1"	31	16387	12036	10049	8841	8005	7381	6495	5880	5421	5062	4910	4770	4527	4319	3911	3605	3173	2872	2649	2331	2109	1946	1816	1712	1624	1550	1485	1428	1379	1333	1294
1 1/4"	37	25229	18683	15673	13836	12560	11605	10245	9302	8594	8040	7802	7587	7210	6887	6252	5777	5101	4631	4278	3778	3429	3168	2964	2798	2658	2540	2437	2346	2266	2194	2129
1 1/2"	46	47720	34645	28728	25153	22690	20858	18261	16474	15142	14102	13659	13258	12557	11960	10788	9918	8683	7832	7199	6303	5686	5226	4867	4576	4333	4128	3950	3795	3657	3534	3423
2"	62	90199	66037	55530	49105	44639	41293	36516	33195	30706	28749	27913	27153	25820	24683	22438	20757	18355	16686	15435	13649	12408	11477	10746	10149	9652	9226	8858	8534	8247	7991	7758

Notes: EHD (Equivalent Hydraulic Diameter) A theoretical size which reflects the hydraulic performance of the tubing. It is not a true physical measure. This number is used to compare individual sizes between different manufactures. The higher the EHD number the greater the flow capacity of the piping. Table does not include effect of pressure drop across the regulator. User must size the regulator based on an inlet pressure between 3 and 10 psig with the desired outlet pressure range and capacity required.

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**Table P-6 Propane Elevated Pressure 25 psig**

		Maximum Capacity of TracPipe CounterStrike CSST in Thousands of BTU per House Propane Gas																														
		Min. Gas Pressure: 25 psig Pressure Drop: 10.0 psi (Based on a 1.52 Specific Gravity / 2520 BTU per cubic foot Gas)																														
Size	EHD	Tubing Length (feet)																														
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3/8"	15	2741	1982	1640	1434	1292	1187	1037	936	858	800	774	750	711	676	610	559	489	440	405	353	318	293	272	255	242	230	220	212	204	196	190
1/2"	19	5939	4330	3600	3159	2853	2625	2302	2080	1914	1784	1729	1678	1591	1517	1370	1260	1105	999	918	806	728	670	624	587	557	530	508	488	470	454	442
3/4"	25	14775	10787	8972	7874	7115	6550	5749	5195	4781	4458	4321	4196	3977	3792	3426	3154	2768	2502	2302	2020	1826	1681	1567	1476	1398	1333	1276	1227	1183	1145	1108
1"	31	25112	18391	15328	13469	12185	11225	9864	8923	8222	7671	7437	7224	6852	6534	5912	5446	4786	4329	3988	3505	3170	2921	2725	2566	2435	2321	2224	2139	2063	1997	1935
1 1/4"	37	39390	28936	24159	21257	19248	17747	15616	14139	13037	12174	11805	11471	10885	10386	9405	8672	7630	6909	6369	5605	5074	4680	4370	4116	3908	3729	3573	3437	3317	3209	3113
1 1/2"	46	70139	51092	42447	37216	33608	30920	27109	24480	22522	20989	20339	19747	18713	17832	16103	14815	12989	11729	10792	9462	8543	7861	7326	6892	6531	6224	5958	5725	5519	5336	5171
2"	62	126376	93908	78935	69783	63421	58655	51854	47126	43586	40801	39612	38532	36635	35019	31827	29435	26023	23649	21873	19336	17573	16254	15214	14368	13662	13059	12536	12077	11670	11306	10977

\*Notes: Tables above include losses for four 90-degree bends and two end fittings. Tubing runs with larger numbers of bends and/or fittings shall be increased by the equivalent length of tubing to the following equation: L=1.3n where L is the additional length of tubing and n is the number of additional fittings and/or bends. Table does not include effect of pressure drop across the line regulator. User must size regulator based on an inlet pressure between 15 and 25 psig with the desired outlet pressure and capacity required.