

11" W.C. Line Sizing Chart - Pipe & Copper-

11 inches W.C. inlet with a 1/2 inch W.C. Pressure Drop

Maximum capacity of pipe or tubing in thousands of BTU/hr of LP-Gas

Size of Pipe or Copper Tubing, Inches	Length of Pipe or Tubing, Feet										
	10	20	30	40	50	60	70	80	90	100	
Copper Tubing (O.D.)	3/8	49	34	27	23	20	19	---	---	---	---
	1/2	110	76	61	52	46	42	38	36	33	32
	5/8	206	141	114	97	86	78	71	67	62	59
	3/4	348	239	192	164	146	132	120	113	105	100
	7/8	536	368	296	253	224	203	185	174	161	154
Pipe Size	1/2	291	200	161	137	122	110	102	94	87	84
	3/4	608	418	336	287	255	231	212	198	185	175
	1	1146	788	632	541	480	435	400	372	349	330
	1-1/4	2353	1617	1299	1111	985	892	821	764	717	677
	1-1/2	3525	2423	1946	1665	1476	1337	1230	1144	1074	1014
	2	6789	4666	3747	3207	2842	2575	2369	2204	2068	1954
	2-1/2	10687	7379	5972	5089	4495	4071	3817	3478	3308	3138
	3	19130	13148	10558	9036	8009	7256	6734	6211	5858	5504

Size of Pipe or Copper Tubing, Inches	Length of Pipe or Tubing, Feet										
	125	150	175	200	225	250	275	300	350	400	
Copper Tubing (O.D.)	3/8	---	---	---	---	---	---	---	---	---	---
	1/2	---	---	---	---	---	---	---	---	---	---
	5/8	---	---	---	---	---	---	---	---	---	---
	3/4	---	---	---	---	---	---	---	---	---	---
	7/8	---	---	---	---	---	---	---	---	---	---
Pipe Size	1/2	74	67	62	58	54	51	48	46	43	40
	3/4	155	141	129	120	113	107	101	97	89	83
	1	292	265	244	227	213	201	191	182	167	156
	1-1/4	600	544	500	465	437	412	392	374	344	320
	1-1/2	899	815	749	697	654	618	587	560	515	479
	2	1731	1569	1443	1343	1260	1190	1130	1078	992	923
	2-1/2	2799	2545	2324	2171	2025	1879	1791	1702	1566	1457
	3	4878	4420	4102	3783	3568	3353	3196	3038	2795	2600

10 PSIG Line Sizing Chart -Pipe & Copper-

10 PSIG inlet with a 1 PSIG Pressure Drop

Maximum capacity of pipe or tubing in thousands of BTU/hr of LP-Gas

Size of Pipe or Copper Tubing, Inches	Length of Pipe or Tubing, Feet										
	10	20	30	40	50	60	70	80	90	100	
Copper Tubing (O.D.)	3/8	558	383	309	265	235	213	196	182	171	161
	1/2	1387	870	700	599	531	481	443	412	386	365
	5/8	2360	1622	1303	1115	988	896	824	767	719	679
	3/4	3993	2475	2205	1887	1672	1515	1394	1297	1217	1149
Pipe Size	1/2	3339	2296	1843	1577	1398	1267	1165	1084	1017	961
	3/4	6982	4799	3854	3298	2923	2649	2437	2267	2127	2009
	1	13153	9040	7259	6213	5507	4989	4590	4270	4007	3785
	1-1/4	27004	18560	14904	12756	11306	10244	9424	8767	8226	7770
	1-1/2	40461	27809	22331	19113	16939	15348	14120	13136	12325	11642
	2	77924	53556	43008	36809	32623	29559	27194	25299	23737	22422
	2-1/2	124198	85360	68548	58668	51996	47112	43342	40323	37833	35737
	3	219563	150904	121183	103716	91921	83287	76622	71285	66883	63178

Size of Pipe or Copper Tubing, Inches	Length of Pipe or Tubing, Feet										
	125	150	175	200	225	250	275	300	350	400	
Copper Tubing (O.D.)	3/8	142	130	118	111	104	90	89	89	82	76
	1/2	323	293	269	251	235	222	211	201	185	172
	5/8	601	546	502	467	438	414	393	375	345	321
	3/4	1018	923	843	790	740	700	664	634	584	543
Pipe Size	1/2	852	772	710	660	619	585	556	530	488	454
	3/4	1780	1613	1484	1381	1296	1224	1162	1109	1020	949
	1	3354	3039	2796	2601	2441	2305	2190	2089	1922	1788
	1-1/4	6887	6240	5741	5340	5011	4733	4495	4289	3945	3670
	1-1/2	10318	9349	8601	8002	7508	7092	6735	6426	5911	5499
	2	19871	18005	16564	15410	14459	13658	12971	12375	11385	10591
	2-1/2	31671	28697	26400	24561	23045	21769	20674	19724	18146	16880
	3	55990	50732	46671	43420	40740	38484	36549	34869	32079	29841

10 PSIG Line Sizing Chart -Polyethylene Tubing-

10 PSIG inlet with a 1 PSIG Pressure Drop

Maximum capacity of plastic tubing in thousands of BTU/hr of LP-Gas

Size of Plastic Tubing NPS	SDR	Length of Tubing, Feet										
		10	20	30	40	50	60	70	80	90	100	
1/2	CTS	7.00	1387	954	766	655	581	526	484	450	423	399
1/2	IPS	9.33	3901	2681	2153	1843	1633	1480	1361	1267	1188	1122
3/4	IPS	11.00	7811	5369	4311	3690	3270	2893	2726	2536	2379	2248
1	CTS	11.50	9510	6536	5249	4492	3981	3607	3319	3088	2897	2736
1	CTS	12.50	10002	6874	5520	4725	4187	3794	3490	3247	3046	2878
1	IPS	11.00	14094	9687	7779	6658	5901	5346	4919	4578	4293	4055
1 1/4	IPS	10.00	24416	16781	13476	11534	10222	9262	8521	7927	7438	7028
2	IPS	11.00	66251	45534	36566	31295	27737	25131	23120	21509	20181	19063

		125	150	175	200	225	250	275	300	350	400	
1/2	CTS	7.00	354	321	295	274	257	243	231	220	203	189
1/2	IPS	9.33	995	901	829	772	724	684	649	620	570	530
3/4	IPS	11.00	1992	1805	1660	1545	1449	1369	1300	1241	1141	1062
1	CTS	11.50	2425	2197	2022	1881	1765	1667	1583	1510	1389	1293
1	CTS	12.50	2551	2311	2126	1978	1856	1753	1665	1588	1461	1359
1	IPS	11.00	3594	3257	2996	2787	2615	2470	2346	2238	2059	1916
1 1/4	IPS	10.00	6226	5642	5190	4829	4531	4280	4064	3878	3567	3318
2	IPS	11.00	16895	15308	14084	13102	12293	11612	11028	10521	9680	9005

Data Calculated per NFPA #58 & #54