

Underground Gas Polyethylene (PE) Piping Fitting Assembly & Sizing Chart



**Featuring the Con-Stab I.D. Seal® Fittings
from Continental Industries, Inc. and Driscopex® Performance Pipe**

LP GAS SIZING TABLES FOR PE PIPE

Maximum Capacity of PE Pipe in Thousands of BTU per Hour of Liquefied Petroleum Gas
with a Gas Pressure of 11.0 in. WC and a Pressure Drop of 0.5 in. WC
(based on a 1.52 specific gravity gas)

Tubing Size	Tubing Length (ft)														
	5	10	15	20	25	30	40	50	60	70	80	90	100	125	150
1/2" CTS	187	125	99	84	74	67	56	50	45	41	38	35	33	29	26
3/4" IPS	1073	720	571	484	425	383	325	286	257	235	218	204	192	169	152
1" CTS	1391	934	740	627	551	497	421	370	333	305	283	264	249	219	197
1" IPS	1983	1331	1054	893	786	708	600	528	475	435	403	376	354	311	280
1-1/4" IPS	3563	2391	1894	1605	1412	1272	1078	948	854	781	723	676	636	560	504
1-1/2" IPS	4724	3247	2608	2232	1978	1792	1534	1359	1232	1133	1054	989	934	828	750
2" IPS	10063	6755	5351	4535	3989	3592	3044	2678	2411	2207	2044	1910	1797	1581	1424

2516BTU/h=1CFH

Maximum Capacity of PE Pipe in Thousands of BTU per Hour of Liquefied Petroleum Gas
with a Gas Pressure of 2.0 psi and a Pressure Drop of 1.0 psi
(based on a 1.52 specific gravity gas)

Tubing Size	Tubing Length (ft)														
	5	10	15	20	25	30	40	50	60	70	80	90	100	125	150
1/2" CTS	1966	1319	1045	886	779	702	595	523	471	431	399	373	351	309	278
3/4" IPS	11300	7586	6008	5092	4479	4033	3418	3007	2707	2478	2295	2144	2018	1775	1599
1" CTS	14652	9835	7790	6602	5807	5229	4432	3898	3510	3213	2975	2780	2617	2302	2073
1" IPS	20877	14014	11100	9408	8275	7451	6315	5555	5002	4578	4239	3962	3729	3280	2953
1-1/4" IPS	37514	25183	19946	16905	14869	13389	11348	9982	8988	8226	7618	7119	6700	5894	5307
1-1/2" IPS	43429	29848	23969	20515	18182	16474	14100	12496	11322	10417	9691	9092	8589	7612	6897
2" IPS	105963	71131	56339	47750	42000	37820	32054	28194	25388	23234	21517	20108	18926	16647	14990

2516BTU/h=1CFH

Maximum Capacity of PE Pipe in Thousands of BTU per Hour of Liquefied Petroleum Gas
with a Gas Pressure of 10.0 psi and a Pressure Drop of 1.0 psi
(based on a 1.52 specific gravity gas)

Tubing Size	Tubing Length (ft)														
	5	10	15	20	25	30	40	50	60	70	80	90	100	125	150
1/2" CTS	2476	1662	1316	1116	981	884	749	659	593	543	503	470	442	389	350
3/4" IPS	14234	9555	7568	6414	5642	5080	4306	3787	3410	3121	2890	2701	2542	2236	2014
1" CTS	18455	12388	9812	8316	7315	6587	5583	4910	4422	4047	3747	3502	3296	2899	2611
1" IPS	26296	17652	13981	11849	10423	9385	7954	6997	6300	5766	5340	4990	4697	4131	3720
1-1/4" IPS	47252	31720	25123	21293	18729	16865	14294	12572	11321	10361	9595	8967	8440	7423	6685
1-1/2" IPS	53960	37087	29782	25489	22591	20469	17519	15527	14068	12943	12041	11297	10671	9458	8569
2" IPS	133476	89601	70967	60148	52905	47640	40376	35514	31980	29267	27104	25329	23840	20970	18882

2516BTU/h=1CFH