

Table 7.1 Low Pressure (6 - 7 in w.c. with 0.5 in drop)**Maximum Capacity of STANDARD FLEX CSST in Cubic Feet per Hour (CFH) of Natural Gas (Approximate 1000 BTU per cubic foot)****Minimum Gas Pressure: 6-7 in w.c. (¼ PSI)****Pressure Drop 0.5 in w.c.****(Based on a 0.6 specific gravity of gas)**

Tube Size	EHD	Tubing Length (ft)																			
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	300	400	500
½"	18	100	71	59	51	46	42	37	33	30	28	27	26	25	24	21	19	17	14	12	11
¾"	25	283	200	163	141	127	116	100	89	82	76	73	71	67	63	57	52	45	37	32	28
1"	31	626	425	338	288	254	230	195	172	156	143	137	133	124	117	103	93	79	63	54	47

Table 7.2 Low Pressure 13-14 in w.c. with 1 in drop**Maximum Capacity of STANDARD FLEX CSST in Cubic Feet per Hour (CFH) of Natural Gas (Approximate 1000 BTU per cubic foot)****Minimum Gas Pressure 6-7 in w.c. (¼ PSI)****Pressure Drop 1 in w.c.****(Based on a 0.6 specific gravity of gas)**

Tube Size	EHD	Tubing Length (ft)																			
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	300	400	500
½"	18	158	114	95	83	74	68	60	54	49	46	44	43	41	38	35	32	28	23	20	18
¾"	25	406	287	234	203	182	166	143	128	117	108	105	101	96	91	81	74	64	52	45	41
1"	31	925	627	500	426	376	339	289	255	230	211	203	196	183	173	153	138	117	93	80	70

Equivalent Hydraulic Diameter (EHD): A theoretical sizing which is used to compare the hydraulic performance between manufacturers. A higher EHD number indicates greater flow capacity of piping.

Tables includes losses for four 90 degree bends and two (2) end fittings. Tubing runs with larger numbers of bends and/or fitting shall be increased by an equivalent length of tubing according to the following formula: $L = 1.3 \times (n)$ where L is the additional length of tubing necessary and n is the number of additional fittings and/or bends.

Table 7.7 Propane Low Pressure (11 in w.c. with 0.5 in drop)

Maximum Capacity of STANDARD FLEXCSST in Cubic Feet per Hour (CFH) of House Propane Gas (Approximate 2520 BTU per cubic foot)
 Minimum Gas Pressure 11 in w.c. Pressure Drop 0.5 in w.c. (Based on a 1.52 specific gravity of gas)

Tube Size	EHD	Tubing Length (ft)																			
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	300	400	500
½"	18	150	108	90	78	70	65	56	51	47	43	42	41	39	37	33	30	26	22	19	17
¾"	25	447	316	258	223	200	182	158	141	129	119	115	112	105	100	89	82	71	58	50	45
1"	31	990	672	535	455	402	363	309	273	246	226	217	210	196	185	163	147	125	100	85	75

Table 7.8 Propane Medium Pressure (13 - 14 in w.c. with 2.5 in drop)

Maximum Capacity of STANDARD FLEX CSST in Cubic Feet per Hour (CFH) of House Propane Gas (Approximate 2520 BTU per cubic foot)
 Minimum Gas Pressure 13-14 in w.c. Pressure Drop 2.5 in w.c. (Based on a 1.52 specific gravity of gas)

Tube Size	EHD	Tubing Length (ft)																			
		5	10	15	20	25	30	40	50	60	70	75	80	90	100	125	150	200	300	400	500
½"	18	322	232	192	168	151	139	121	109	100	93	90	87	83	79	71	65	57	47	41	37
¾"	25	1000	712	584	507	454	416	361	324	296	274	265	257	243	230	207	189	164	134	117	105
1"	31	2449	1661	1324	1127	994	898	764	675	609	559	537	518	485	458	404	365	310	247	211	186

Equivalent Hydraulic Diameter (EHD): A theoretical sizing which is used to compare the hydraulic performance between manufacturers. A higher EHD number indicates greater flow capacity of piping.

Tables includes losses for four 90 degree bends and two (2) end fittings. Tubing runs with larger numbers of bends and/or fitting shall be increased by an equivalent length of tubing according to the following formula: $L = 1.3 \times (n)$ where L is the additional length of tubing necessary and n is the number of additional fittings and/or bends.