

# With 11" W.C. System

## Maximum Capacity of CSST\*

In thousands of Btu per hour of undiluted liquified petroleum gases at a pressure of 11" W.C. and a pressure drop of 0.5" W.C.  
(Based on a 1.52 specific gravity gas)

CSST Tube Size	EHD** Flow Designation	Tubing Length (Feet)																
		5	10	15	20	25	30	40	50	60	70	80	90	100	150	200	250	300
		3/8"	13	72	50	39	34	30	28	23	20	19	17	15	15	14	11	9
----	14	99	69	55	49	42	39	33	30	26	25	23	22	20	15	14	12	11
1/2"	18	181	129	104	91	82	74	64	58	53	49	45	44	41	31	28	25	23
----	19	211	150	121	106	94	87	74	66	60	57	52	50	47	36	33	30	26
3/4"	23	355	254	208	183	164	151	131	118	107	99	94	90	85	66	60	53	50
----	25	426	303	248	216	192	177	153	137	126	117	109	102	98	75	69	61	57
----	30	744	521	422	365	325	297	256	227	207	191	178	169	159	123	112	99	90
1"	31	863	605	490	425	379	344	297	265	241	222	208	197	186	143	129	117	107

\* Table includes losses for four 90° bends and two end fittings. Tubing runs with larger numbers of bends and/or fittings shall be increased by an equivalent length of tubing to the following equation:  $L = 1.3n$  where L is the additional length (ft) of tubing and n is the number of additional fittings and/or bends.

\*\*EDH - Equivalent Hydraulic Diameter - A measure of the relative hydraulic efficiency between different tubing sizes. The greater the value of EHD, the greater the gas capacity of the tubing.

\*Table reprinted from Table 10-29 in NFPA Pamphlet 54-1996.