TABLE 12-19 Corrugated Stainless Steel Tubing (CSST) [NFPA 54: Table 6.2(n)]

									Gas:	Natural			
									Inlet Pressure:	Less than 0.138bar			
									Pressure Drop:	75mm w.c.			
									Specific Gravity:	0.6			
	Tube Size (EHD)*												
Flow Designation:	**13**	**15**	**18**	**19**	**23**	**25**	**30**	**31**	**37**	**46**	**48**	**60**	**62**
Length (m)	**Capacity in m^3/h**												
1.6	3.4	4.5	7.8	9.3	15.0	18.4	33.4	38.8	60.6	116.9	141.8	249.1	285.9
3	2.3	3.2	5.6	6.5	10.8	13.1	23.4	27.1	43.3	90.6	100.8	177.5	202.7
4.5	1.9	2.5	4.6	5.4	8.9	10.7	19.1	22.0	35.4	71.9	82.4	145.5	165.6
6	1.6	2.2	4.0	4.6	7.7	9.3	16.4	19.0	30.9	62.3	71.6	126.3	143.5
7.5	1.4	2.0	3.5	4.2	6.9	8.4	14.7	17.0	27.7	55.5	64.3	113.2	128.5
9	1.3	1.8	3.3	3.8	6.4	7.6	13.3	15.5	25.3	50.7	58.6	103.6	117.2
21	1.1	1.5	2.8	3.3	5.5	6.6	11.5	13.3	22.0	43.9	51.0	90.0	101.6
15	1.0	1.4	2.5	2.9	5.0	5.9	10.3	11.9	19.8	39.1	45.6	80.7	90.9
18	0.9	1.2	2.3	2.7	4.6	5.4	9.3	10.8	18.1	35.7	41.6	73.6	82.9
21	0.8	1.2	2.2	2.5	4.2	5.0	8.7	10.1	16.8	33.1	38.5	68.5	77.0
24	0.8	1.1	2.0	2.3	4.0	4.7	8.1	9.4	15.7	30.9	36.2	64.0	71.9
27	0.7	1.0	1.9	2.2	3.8	4.4	7.6	8.8	14.8	29.2	34.0	60.6	67.9
30	0.7	1.0	1.8	2.1	3.6	4.2	7.2	8.4	14.1	27.6	32.3	57.5	64.5
45	0.5	0.8	1.5	1.7	2.9	3.5	5.8	6.8	11.6	22.4	26.5	47.0	52.7
60	0.5	0.7	1.3	1.5	2.6	3.0	5.0	5.9	10.1	19.4	23.0	40.8	45.6
75	0.4	0.6	1.1	1.3	2.3	2.7	4.5	5.2	9.0	17.4	20.6	36.5	40.8
90	0.4	0.5	1.0	1.2	2.1	2.5	4.1	4.8	6.6	15.8	18.8	33.4	37.4

*EHD = Equivalent Hydraulic Diameter, which is 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.

Notes:

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

(2) All table entries are rounded to 3 significant digits.

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; $1m^3 = 33.3 ft.^3$; 1bar = 14.5 psi