TABLE 12-22 Corrugated Stainless Steel Tubing (CSST) [NFPA 54: Table 6.2(q)]

										Gas:	Natural			
										Inlet Pressure:	0.345bar			
										Pressure Drop:	0.241bar			
										Specific Gravity:	0.6			
	Tube Size (EHD)*													
Flow Designation:	**13**	**15**	**18**	**19**	**23**	**25**	**30**	**31**	**37**	**39**	**46**	**48**	**60**	**62**
Length (m)	**Capacity in m^3/h**													
3	14.8	19.1	30.6	36.8	56.6	71.6	139.3	160.2	235.0	258.8	512.4	560.5	973.9	1,143.7
7.5	9.1	11.9	19.6	23.4	36.5	45.9	87.2	100.2	150.3	167.3	322.7	356.7	622.8	724.7
9	8.3	10.8	17.9	21.4	33.4	41.9	79.3	91.4	137.6	153.4	294.4	325.6	569.0	662.5
12	7.1	9.3	15.5	18.5	29.2	36.2	68.5	79.0	119.8	133.8	253.9	283.1	492.6	571.9
15	6.3	8.3	13.9	16.6	26.2	32.6	61.1	70.5	107.3	120.3	227.0	252.8	441.6	512.4
22.5	5.1	6.7	11.4	13.6	21.6	26.7	49.5	57.2	88.0	99.3	184.9	207.2	362.4	419.0
24	4.9	6.5	11.1	13.1	20.9	25.9	47.8	55.5	85.5	96.3	178.9	200.7	351.0	404.8
30	4.4	5.8	9.9	11.7	18.8	23.2	42.7	49.3	76.7	86.5	160.0	179.8	314.2	362.4
45	3.5	4.7	8.1	9.6	15.5	19.0	34.8	40.2	62.8	71.4	130.2	147.2	258.5	297.3
60	3.0	4.0	7.0	8.3	13.5	16.5	30.0	34.5	54.6	62.3	112.7	127.7	224.5	257.3
75	2.7	3.6	6.3	7.4	12.2	14.8	26.8	30.9	49.0	56.0	100.5	114.4	201.3	230.4
90	2.4	3.3	5.8	6.8	11.2	13.6	24.3	28.2	45.0	51.3	91.7	104.5	184.0	210.3
120	2.1	2.8	5.0	5.9	9.7	11.8	21.0	24.3	39.1	44.8	79.3	90.9	160.0	182.3
150	1.9	2.5	4.5	5.3	8.7	10.6	18.7	21.7	29.4	40.3	70.8	81.2	143.2	163.1

* 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 does not include effect of pressure drop across the line regulator. Where regulator loss exceeds .052 bar, do not use this table. Consult with regulator manufacturer for pressure drops and capacity factors. Pressure drops across a regulator may vary with flow rate.

(2) CAUTION: Capacities shown in table may exceed maximum capacity for a selected regulator. Consult with regulator or tubing manufacturer for guidance.

(3) Table includes losses for four 90-degree bends and two end fittings. Tubing runs with larger number of bends and/or fittings shall be increased by an equivalent length of tubing according 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.

(4) 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