TABLE 12-16 Semi-Rigid Copper Tubing [NFPA 54: Table 6.2(k)]

						Gas:	Natural			
						Inlet Pressure:	0.138bar			
						Pressure Drop:	0.104bar			
						Specific Gravity:	0.6			
INTENDED USE: Pipe Sizing Between Point of Delivery and the House Line Regulator. Total Load Supplied by a Single House Line Regulator Not Exceeding .42 m^3/h.†										
		Tube Size (mm)								
DN:	K&L:	8	10	15	18	20	25	32	40	50
	ACR:	9.5	15	18	20	22	28	35	----	----
Length (m)		Capacity in m^3/h								
3		8.6	17.7	36.0	62.8	89.2	190.8	342.6	540.7	1,126.7
6		5.9	12.2	24.7	43.3	61.4	131.1	235.8	370.9	775.7
9		4.7	9.8	19.9	34.8	49.3	105.3	189.4	300.1	622.8
12		4.0	8.4	17.0	29.7	42.2	90.0	162.2	255.6	532.2
15		3.6	7.4	15.1	26.4	37.4	79.8	143.8	226.5	472.8
18		3.3	6.7	13.6	23.9	34.0	72.5	130.2	205.2	427.5
21		3.0	6.2	12.6	22.0	31.1	66.5	119.8	188.8	393.5
24		2.8	5.7	11.7	20.4	28.9	62.0	111.5	175.8	365.2
27		2.6	5.4	11.0	19.2	27.2	58.0	104.5	164.8	342.6
30		2.5	5.1	10.4	18.1	25.7	54.9	98.8	155.7	325.6
38		2.2	4.5	9.2	16.1	22.8	48.7	87.5	138.2	288.8
45		2.0	4.1	8.3	14.6	20.6	44.2	79.3	125.1	260.5
53		1.8	3.8	7.6	13.4	19.0	40.5	73.0	114.9	239.5
60		1.7	3.5	7.1	12.5	17.7	37.7	67.9	107.0	222.8
75		1.5	3.1	6.3	11.0	15.7	33.4	60.3	94.8	197.6
90		1.4	2.8	5.7	10.0	14.2	30.3	54.6	86.1	178.9
105		1.2	2.6	5.3	9.2	13.1	27.9	50.1	79.0	164.8
120		1.2	2.4	4.9	8.5	12.1	25.9	46.7	73.6	153.2
135		1.1	2.3	4.6	8.0	11.4	24.3	43.9	69.1	143.8
150		1.0	2.1	4.3	7.6	10.8	23.0	41.3	65.1	135.9
165		1.0	2.0	4.1	7.2	10.2	21.8	39.4	62.0	129.1
180		0.9	1.9	3.9	6.9	9.7	20.8	37.4	59.2	123.1
195		0.9	1.8	3.8	6.6	9.3	19.9	36.0	56.6	117.8
210		0.8	1.8	3.6	6.3	9.0	19.1	34.5	54.4	113.2
225		0.8	1.7	3.5	6.1	8.6	18.5	33.1	52.4	109.0
240		0.8	1.6	3.4	5.9	8.4	17.8	32.0	50.7	105.3
255		0.8	1.6	3.3	5.7	8.1	17.2	31.1	49.0	101.9
270		0.8	1.6	3.1	5.5	7.8	16.7	30.0	47.6	98.8
285		0.7	1.5	3.1	5.4	7.6	16.2	29.2	46.1	96.0
300		0.7	1.5	3.0	5.2	7.4	15.8	28.3	44.7	93.4
330		0.7	1.4	2.8	5.0	7.0	15.0	27.0	42.5	88.6
360		0.7	1.3	2.7	4.7	6.7	14.3	25.8	40.5	84.6
390		0.6	1.3	2.6	4.5	6.4	13.7	24.7	38.8	81.0
420		0.6	1.2	2.5	4.3	6.2	13.2	23.7	37.4	77.9
450		0.6	1.2	2.4	4.2	5.9	12.7	22.8	36.0	75.0
480		0.5	1.1	2.3	4.0	5.7	12.2	22.1	34.8	72.5
510		0.5	1.1	2.2	3.9	5.5	11.9	21.3	33.7	69.9
540		0.5	1.1	2.2	3.8	5.4	11.5	20.7	32.6	67.9
570		0.5	1.0	2.1	3.7	5.2	11.2	20.1	31.7	66.0
600		0.5	1.0	2.0	3.6	5.1	10.8	19.5	30.9	64.3

Note: All table entries are rounded to 3 significant digits.

*Table capacities are based on Type K copper tubing inside diameter (shown), which has the smallest inside diameter of the copper tubing products.

†When this table is used to size the tubing upstream of a line pressure regulator, the pipe or tubing downstream of the line pressure regulator shall be sized using a pressure drop no greater than 1 in. w.c.

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