

TABLE 12-15 Semi-Rigid Copper Tubing [NFPA 54: Table 6.2(j)]

		Gas: Natural								
		Inlet Pressure: 0.138bar								
		Pressure Drop: 0.069bar								
		Specific Gravity: 0.6								
		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		6.9	14.3	29.2	51.0	72.2	154.3	278.0	438.8	911.6
6		4.8	9.9	20.0	35.1	49.8	106.2	191.1	300.1	628.5
9		3.8	7.9	16.1	28.1	39.9	85.2	153.4	242.1	503.9
12		3.3	6.8	13.8	24.1	34.3	73.0	131.4	206.9	430.3
15		2.9	6.0	12.2	21.3	30.3	64.5	116.4	183.4	382.2
18		2.6	5.4	11.1	19.3	27.4	58.6	105.6	166.2	345.4
21		2.4	5.0	10.2	17.8	25.2	53.8	97.1	152.9	319.9
24		2.3	4.6	9.5	16.5	23.5	50.1	90.3	142.4	297.3
27		2.1	4.4	8.9	15.5	22.0	47.0	84.6	133.6	278.0
30		2.0	4.1	8.4	14.7	20.8	44.4	80.1	126.0	262.7
38		1.8	3.7	7.4	13.0	18.4	39.4	70.8	111.8	232.7
45		1.6	3.3	6.7	11.8	16.7	35.7	64.3	101.3	210.9
53		1.5	3.1	6.2	10.8	15.4	32.8	59.2	93.1	193.9
60		1.4	2.8	5.8	10.1	14.3	30.6	54.9	86.6	180.6
75		1.2	2.5	5.1	8.9	12.7	27.1	48.7	76.7	160.0
90		1.1	2.3	4.6	8.1	11.5	24.5	44.2	69.6	144.9
105		1.0	2.1	4.2	7.4	10.6	22.6	40.5	64.0	133.3
120		0.9	2.0	4.0	6.9	9.8	21.0	37.7	59.5	124.0
135		0.9	1.8	3.7	6.5	9.2	19.7	35.4	55.8	116.4
150		0.8	1.7	3.5	6.1	8.7	18.6	33.4	52.9	109.8
165		0.8	1.6	3.3	5.8	8.3	17.7	31.7	50.1	104.5
180		0.8	1.6	3.2	5.5	7.9	16.8	30.3	47.8	99.7
195		0.7	1.5	3.1	5.3	7.6	16.1	29.2	45.9	95.4
210		0.7	1.4	2.9	5.1	7.2	15.5	27.9	43.9	91.7
225		0.7	1.4	2.8	4.9	7.0	14.9	26.9	42.5	88.3
240		0.7	1.3	2.7	4.8	6.8	14.4	26.0	41.0	85.2
255		0.6	1.3	2.6	4.6	6.5	14.0	25.1	39.6	82.7
270		0.6	1.2	2.5	4.5	6.3	13.5	24.4	38.5	80.1
285		0.6	1.2	2.5	4.3	6.1	13.1	23.7	37.4	77.6
300		0.6	1.2	2.4	4.2	6.0	12.8	23.0	36.2	75.6
330		0.5	1.1	2.3	4.0	5.7	12.1	21.9	34.5	71.9
360		0.5	1.1	2.2	3.8	5.4	11.6	20.9	32.8	68.5
390		0.5	1.0	2.1	3.7	5.2	11.1	20.0	31.4	65.7
420		0.5	1.0	2.0	3.5	5.0	10.6	19.2	30.3	63.1
450		0.5	1.0	1.9	3.4	4.8	10.3	18.5	29.2	60.6
480		0.5	0.9	1.9	3.3	4.6	9.9	17.8	28.1	58.6
510		0.4	0.9	1.8	3.2	4.5	9.6	17.3	27.2	56.6
540		0.4	0.8	1.8	3.1	4.4	9.3	16.8	26.4	54.9
570		0.4	0.8	1.7	3.0	4.2	9.0	16.3	25.6	53.5
600		0.4	0.8	1.7	2.9	4.1	8.8	15.8	24.9	51.8

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.

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m³ = 33.3 ft.³; 1bar = 14.5 psi