

## COPPER WATER PIPE DATA

Table A2.5-1; *TYPE K* Copper Tubing – ASTM B88

Tube Size (in)	Tube O. D. (in)	Wall Thickness (in)	Tube Weight (lb/ft)	Water Weight (lb/ft)	Tube + Water Weight (lb/ft)
1/2	0.625	0.049	0.34	0.09	0.44
3/4	0.875	0.065	0.64	0.19	0.83
1	1.125	0.065	0.84	0.34	1.17
1 1/4	1.375	0.065	1.03	0.53	1.56
1 1/2	1.625	0.072	1.36	0.75	2.10
2	2.125	0.083	2.06	1.31	3.36
2 1/2	2.625	0.095	2.92	2.02	4.94
3	3.125	0.109	3.99	2.88	6.87
3 1/2	3.625	0.120	5.11	3.90	9.01
4	4.125	0.134	6.49	5.06	11.55
5	5.125	0.160	9.64	7.86	17.50
6	6.125	0.192	13.83	11.22	25.05

Table A2.5-2; Insulated *TYPE K* Copper Tubing – ASTM B88 (85% Magnesia Insulation)

Tube Size (in)	Tube O. D. (in)	Wall Thickness (in)	Tube Weight (lb/ft)	Water Weight (lb/ft)	Insulation Thickness (in)	Insulation Weight (lb/ft)	Total Weight (lb/ft)
1/2	0.625	0.049	0.34	0.09	1.00	0.60	1.04
3/4	0.875	0.065	0.64	0.19	1.00	0.70	1.52
1	1.125	0.065	0.84	0.34	1.00	0.79	1.96
1 1/4	1.375	0.065	1.03	0.53	1.00	0.88	2.44
1 1/2	1.625	0.072	1.36	0.75	1.00	0.97	3.08
2	2.125	0.083	2.06	1.31	1.00	1.16	4.52
2 1/2	2.625	0.095	2.92	2.02	1.00	1.34	6.28
3	3.125	0.109	3.99	2.88	1.00	1.53	8.40
3 1/2	3.625	0.120	5.11	3.90	1.00	1.72	10.72
4	4.125	0.134	6.49	5.06	1.00	1.90	13.46
5	5.125	0.160	9.64	7.86	1.50	3.69	21.19
6	6.125	0.192	13.83	11.22	1.50	4.24	29.29

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Table A2.5-3; *TYPE L* Copper Tubing – ASTM B88

Tube Size (in)	Tube O. D. (in)	Wall Thickness (in)	Tube Weight (lb/ft)	Water Weight (lb/ft)	Tube + Water Weight (lb/ft)
1/2	0.625	0.040	0.28	0.10	0.39
3/4	0.875	0.045	0.45	0.21	0.66
1	1.125	0.050	0.65	0.36	1.01
1 1/4	1.375	0.055	0.88	0.54	1.43
1 1/2	1.625	0.060	1.14	0.77	1.91
2	2.125	0.070	1.75	1.34	3.09
2 1/2	2.625	0.080	2.47	2.07	4.54
3	3.125	0.090	3.32	2.95	6.27
3 1/2	3.625	0.100	4.28	3.99	8.27
4	4.125	0.114	5.55	5.17	10.72
5	5.125	0.125	7.59	8.09	15.68
6	6.125	0.140	10.17	11.63	21.80

Table A2.5-4; Insulated *TYPE L* Copper Tubing – ASTM B88 (85% Magnesia Insulation)

Tube Size (in)	Tube O. D. (in)	Wall Thickness (in)	Tube Weight (lb/ft)	Water Weight (lb/ft)	Insulation Thickness (in)	Insulation Weight (lb/ft)	Total Weight (lb/ft)
1/2	0.625	0.040	0.28	0.10	1.00	0.60	0.99
3/4	0.875	0.045	0.45	0.21	1.00	0.70	1.36
1	1.125	0.050	0.65	0.36	1.00	0.79	1.80
1 1/4	1.375	0.055	0.88	0.54	1.00	0.88	2.31
1 1/2	1.625	0.060	1.14	0.77	1.00	0.97	2.88
2	2.125	0.070	1.75	1.34	1.00	1.16	4.25
2 1/2	2.625	0.080	2.47	2.07	1.00	1.34	5.88
3	3.125	0.090	3.32	2.95	1.00	1.53	7.80
3 1/2	3.625	0.100	4.28	3.99	1.00	1.72	9.99
4	4.125	0.114	5.55	5.17	1.00	1.90	12.62
5	5.125	0.125	7.59	8.09	1.50	3.69	19.36
6	6.125	0.140	10.17	11.63	1.50	4.24	26.04

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Table A2.5-5; *TYPE M* Copper Tubing – ASTM B88

Tube Size (in)	Tube O. D. (in)	Wall Thickness (in)	Tube Weight (lb/ft)	Water Weight (lb/ft)	Tube + Water Weight (lb/ft)
1/2	0.625	0.028	0.20	0.11	0.31
3/4	0.875	0.032	0.33	0.22	0.55
1	1.125	0.035	0.46	0.38	0.84
1 1/4	1.375	0.042	0.68	0.57	1.25
1 1/2	1.625	0.049	0.94	0.79	1.73
2	2.125	0.058	1.46	1.37	2.83
2 1/2	2.625	0.065	2.02	2.12	4.14
3	3.125	0.072	2.67	3.02	5.69
3 1/2	3.625	0.083	3.57	4.07	7.64
4	4.125	0.095	4.65	5.27	9.92
5	5.125	0.109	6.64	8.19	14.83
6	6.125	0.122	8.89	11.77	20.66

Table A2.5-6; Insulated *TYPE M* Copper Tubing – ASTM B88 (85% Magnesia Insulation)

Tube Size (in)	Tube O. D. (in)	Wall Thickness (in)	Tube Weight (lb/ft)	Water Weight (lb/ft)	Insulation Thickness (in)	Insulation Weight (lb/ft)	Total Weight (lb/ft)
1/2	0.625	0.028	0.20	0.11	1.00	0.60	1.10
3/4	0.875	0.032	0.33	0.22	1.00	0.70	1.34
1	1.125	0.035	0.46	0.38	1.00	0.79	1.63
1 1/4	1.375	0.042	0.68	0.57	1.00	0.88	2.03
1 1/2	1.625	0.049	0.94	0.79	1.00	0.97	2.52
2	2.125	0.058	1.46	1.37	1.00	1.16	3.62
2 1/2	2.625	0.065	2.02	2.12	1.00	1.34	4.93
3	3.125	0.072	2.67	3.02	1.00	1.53	6.48
3 1/2	3.625	0.083	3.57	4.07	1.00	1.72	8.43
4	4.125	0.095	4.65	5.27	1.00	1.90	10.71
5	5.125	0.109	6.64	8.19	1.50	3.69	15.62
6	6.125	0.122	8.89	11.77	1.50	4.24	21.45

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