

Type K Tubing ¹																				
Weight (lbs) ² of Saturated Refrigerant @ 77°F per 100'																				
Tube O. D. (inches)	R-22		R-134a		R-404A		R-407A		R-407C		R-408A		R-409A		R-410A		R-427A		R-507A	
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
1/2	6.56	0.24	6.64	0.18	5.75	0.36	6.30	0.27	6.26	0.24	5.83	0.29	6.68	0.16	5.83	0.36	6.22	0.25	5.77	0.38
5/8	11.25	0.42	11.40	0.31	9.87	0.62	10.82	0.47	10.75	0.41	10.01	0.49	11.47	0.28	10.00	0.62	10.67	0.42	9.90	0.65
3/4	17.24	0.64	17.47	0.47	15.12	0.95	16.58	0.72	16.47	0.63	15.34	0.75	17.57	0.42	15.33	0.96	16.35	0.65	15.17	1.00
7/8	22.51	0.84	22.81	0.61	19.73	1.23	21.64	0.94	21.50	0.83	20.03	0.98	22.94	0.55	20.01	1.25	21.34	0.85	19.81	1.30
1 1/8	40.16	1.49	40.70	1.09	35.21	2.20	38.62	1.68	38.37	1.48	35.74	1.75	40.94	0.99	35.71	2.23	38.07	1.51	35.34	2.32
1 3/8	62.82	2.33	63.67	1.71	55.08	3.44	60.42	2.62	60.02	2.31	55.90	2.74	64.03	1.54	55.85	3.48	59.56	2.36	55.29	3.63
1 5/8	88.94	3.30	90.14	2.42	77.99	4.88	85.54	3.72	84.97	3.27	79.14	3.88	90.66	2.19	79.08	4.93	84.32	3.34	78.27	5.15
2 1/8	155.6	5.78	157.7	4.23	136.4	8.53	149.6	6.50	148.6	5.72	138.4	6.78	158.6	3.83	138.3	8.62	147.5	5.85	136.9	9.00
2 5/8	240.4	8.93	243.6	6.53	210.8	13.18	231.2	10.04	229.7	8.84	213.9	10.48	245.0	5.91	213.7	13.32	227.9	9.04	211.6	13.91
3 1/8	342.6	12.73	347.2	9.31	300.4	18.78	329.5	14.31	327.3	12.60	304.9	14.93	349.2	8.43	304.6	18.98	324.8	12.88	301.5	19.82
3 5/8	464.5	17.25	470.8	12.62	407.3	25.47	446.7	19.41	443.8	17.08	413.3	20.24	473.5	11.42	413.0	25.74	440.4	17.46	408.8	26.88
4 1/8	603.1	22.40	611.2	16.39	528.9	33.06	580.0	25.20	576.2	22.18	536.7	26.28	614.8	14.83	536.2	33.42	571.8	22.67	530.8	34.90

Type L Tubing ¹																				
Weight (lbs) ² of Saturated Refrigerant @ 77°F per 100'																				
Tube O. D. (inches)	R-22		R-134a		R-404A		R-407A		R-407C		R-408A		R-409A		R-410A		R-427A		R-507A	
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
1/2	7.48	0.28	7.59	0.20	6.56	0.41	7.20	0.31	7.15	0.28	6.66	0.33	7.63	0.18	6.65	0.41	7.10	0.28	6.59	0.43
5/8	12.03	0.45	12.19	0.33	10.55	0.66	11.57	0.50	11.49	0.44	10.70	0.52	12.26	0.30	10.69	0.67	11.40	0.45	10.58	0.70
3/4	17.96	0.67	18.21	0.49	15.75	0.98	17.28	0.75	17.16	0.66	15.98	0.78	18.31	0.44	15.97	1.00	17.03	0.68	15.81	1.04
7/8	24.98	0.93	25.32	0.68	21.91	1.37	24.03	1.04	23.87	0.92	22.23	1.09	24.47	0.61	22.21	1.38	23.69	0.94	21.99	1.45
1 1/8	42.58	1.58	43.16	1.16	37.34	2.33	40.96	1.78	40.68	1.57	37.89	1.86	43.41	1.05	37.86	2.36	40.37	1.60	37.48	2.46
1 3/8	64.88	2.41	65.76	1.76	56.89	3.56	62.40	2.71	61.99	2.39	57.74	2.83	66.14	1.60	57.69	3.60	61.52	2.44	57.10	3.75
1 5/8	91.83	3.41	93.07	2.50	80.52	5.03	88.32	3.84	87.73	3.38	81.71	4.00	93.60	2.26	81.65	5.09	87.06	3.45	80.82	5.31
2 1/8	159.8	5.93	161.9	4.34	140.1	8.76	153.7	6.68	152.6	5.87	142.2	6.96	162.9	3.93	142.0	8.85	151.5	6.01	140.6	9.24
2 5/8	246.3	9.15	249.7	6.69	216.0	13.50	236.9	10.29	235.3	9.06	219.2	10.73	251.1	6.06	219.0	13.65	233.5	9.26	216.8	14.25
3 1/8	351.6	13.06	356.4	9.56	308.3	19.28	338.2	14.69	335.9	12.93	312.9	15.32	358.4	8.65	312.6	19.49	333.4	13.22	309.5	20.35
3 5/8	475.6	17.66	482.0	12.92	417.0	26.07	457.4	19.87	454.3	17.49	423.2	20.72	484.8	11.70	422.8	26.35	450.9	17.88	418.5	27.52
4 1/8	618.2	22.96	626.6	16.80	542.1	33.89	594.6	25.83	590.6	22.73	550.1	26.94	630.2	15.20	549.7	34.26	586.1	23.24	544.1	35.77

¹ - Tubing per ASTM - B88

² - Weight calculations based on densities obtained using the NIST REFPROP Database

(NIST Standard Reference Database 23, Version 9.0, Lemmon, E. W., Huber, M. L., and McLinden, M. O., Thermophysical Properties Division, 2010)

The statements, technical information, and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information: NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent, and it should not be construed as an inducement to infringe any patent and they user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.