FRICTION LOSS METRIC COPPER

FRICTION LOSS: Copper Tube B Based on AS 1432-2004

COOPER TUBE TYBE B		10mm Nom. Bore 7.65mm ID		15mm Nom. Bore 10.81mm ID		18mm Nom. Bore 13.8mm ID		20mm Nom. Bore 16.9mm ID		25mm Nom. Bore 22.8mm ID		32mm Nom. Bore 29.1mm ID		40mm Nom. Bore 35.4mm ID		50mm Nom. Bore 48.3mm ID	
FLOW RATE L/s	FLOW RATE L/MIN	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m	Velocity m/s	Head Loss m/100m
0.01	0.6	0.22	1.38														
0.02	1.2	0.44	3.67	0.22	0.69	0.13	0.26										
0.04	2.4	0.87	18.17	0.44	3.55	0.27	1.14	0.18	0.28								
0.06	3.6	1.31	36.66	0.65	7.11	0.40	2.28	0.27	0.86	0.15	0.21						
0.08	4.8	1.74	60.52	0.87	11.69	0.54	3.74	0.36	1.41	0.20	0.34	0.12	0.11				
0.10	6	2.18	89.47	1.09	17.23	0.67	5.50	0.45	2.07	0.24	0.51	0.15	0.16	0.10	0.06		
0.20	12	4.35	304.78	2.18	58.07	1.34	18.41	0.89	6.91	0.49	1.67	0.30	0.52	0.20	0.21	0.11	0.05
0.30	18	6.53	629.35	3.27	119.10	2.02	37.61	1.34	14.06	0.73	3.39	0.45	1.06	0.30	0.42	0.16	0.10
0.40	24			4.35	198.92	2.69	62.63	1.78	23.36	0.98	5.61	0.60	1.75	0.41	0.69	0.22	0.16
0.50	30			5.44	296.71	3.36	93.19	2.23	34.70	1.22	8.31	0.75	2.59	0.51	1.02	0.27	0.23
0.60	36			6.53	411.89	4.03	129.09	2.67	47.99	1.47	11.47	0.90	3.57	0.61	1.40	0.33	0.32
0.70	42					4.71	170.18	3.12	63.17	1.71	15.07	1.05	4.69	0.71	1.84	0.38	0.42
0.80	48					5.38	216.35	3.56	80.21	1.96	19.11	1.20	5.94	0.81	2.33	0.44	0.53
0.90	54					6.05	267.49	4.01	99.06	2.20	23.57	1.35	7.32	0.91	2.87	0.49	0.65
1.00	60					6.72	323.54	4.45	119.69	2.45	28.44	1.50	8.82	1.01	3.45	0.55	0.79
1.20	72							5.34	166.20	2.94	39.40	1.80	12.20	1.22	4.77	0.66	1.09
1.40	84							6.23	219.54	3.43	51.94	2..10	16.06	1.42	6.28	0.76	1.43
1.60	96									3.92	66.03	2.40	20.39	1.62	7.96	0.87	1.81
1.80	108									4.41	81.62	2.70	25.18	1.83	9.82	0.98	2.23
2.00	120									4.90	98.71	3.00	30.42	2.03	11.86	1.09	2.69
2.50	150									6.12	147.80	3.75	45.44	2.54	17.69	1.36	4.00
3.00	180											4.50	63.15	3.04	24.55	1.64	5.54
3.50	210											5.26	83.46	3.55	32.41	1.91	7.31
4.00	240											6.01	106.34	4.06	41.24	2.18	9.29
4.50	270											6.76	131.72	4.56	51.04	2.46	11.48
5.00	300													5.07	61.78	2.73	13.87
5.50	330													5.58	73.44	3.00	16.48
6.00	360													6.09	86.03	3.28	19.28
6.50	390													6.59	99.53	3.55	22.28
7.00	420															3.82	25.48
7.50	450															4.09	28.87
8.00	480															4.37	32.46
8.50	510															4.64	36.24
9.00	540															4.91	40.20
9.50	570															5.19	44.35
10.00	600															5.46	48.69
11.00	660															6.00	57.93
12.00	720															6.55	69.90

DISCLAIMER: The information and data provided is estimated and is a guide only, and it is the sole and entire responsibility of the user to ensure that it is accurate and suitable for their application.

All rights reserved Specifications are nominal and are subject to change without notice. Power rating will vary with load on motor