

AIR-CONDITIONING :
REFRIGERATION :



TRUEAIR
AIRCON AND ELECTRICAL SUPPLY

CAR-AIRCON
HEATING & VENTILATION



CUPRUM
Copper Tubes and Pipes

PREMIUM COPPER FOR HVAC & REFRIGERATION SYSTEMS



AVAILABLE TYPES

- ✓ Pancake coil - ASTM B280
- ✓ Straight pipe - ASTM B88
- ✓ Pre-insulated Copper Tube

TRUSTED FOR

- ✓ VRF and VEG Systems
- ✓ Chilled Water System

AVAILABLE GRADES

TYPE M



- Standard wall thickness
- Economical solution
- Suitable for general HVAC applications

TYPE L



- Thicker wall construction
- Higher pressure resistance
- Recommended for high pressure systems.

WHY CHOOSE CUPRUM?



Corrosion Resistant

Resist rust and corrosion for longer life.



High Pressure Resistant

Reliable performance even in high pressure systems.



VRF COMPATIBLE & VEG SYSTEM APPROVED

Engineered for seamless integration with VRF systems and delivering reliable performance, energy efficiency, and long-term durability.



Durable & Leak Resistance

Strong, reliable, and safe for long-term use.



99.9% High Purity Copper

Guaranteed purity for superior performance.



ASTM B280 & ASTM B88 COMPLIANT

Manufactured in strict compliance accordance with ASTM B280 and ASTM B88 standards, ensuring consistent quality and reliable performance.

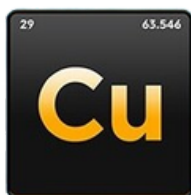


HVAC/R GRADE

Specifically designed for HVAC/R systems.

MATERIAL SPECIFICATIONS

Material	High purity copper
Purity	99.9%
Application	Airconditioning & Refrigeration system
Compatible Refrigerants	R32, R410A, R407C, 134A, R404A, and other common refrigerants



CUPRUM
Copper Tubes and Pipes



EN

European Standard



COPPER PIPE TO AMERICAN STANDARD ASTM B88 – TYPE M

NOMINAL SIZE (inch)	ACTUAL (inch)		ACTUAL (mm)		WEIGHT (kg/m)	PRESSURE (kg/cm ²)
	O.D.	W.T.	O.D.	W.T.		
1/4"	3/8"	0.022	9.52	0.56	0.141	42.4
3/8"	1/2"	0.025	12.70	0.64	0.217	37.0
1/2"	5/8"	0.028	15.88	0.71	0.302	33.3
5/8"	3/4"	0.030	19.05	0.76	0.391	26.63
3/4"	7/8"	0.032	22.22	0.81	0.487	25.6
1"	1-1/8"	0.035	28.58	0.89	0.692	22.2
1-1/4"	1-3/8"	0.042	34.92	1.07	1.02	22.6
1-1/2"	1-5/8"	0.058	41.28	1.24	1.39	22.7
2"	2-1/8"	0.065	53.98	1.47	2.17	19.8
2-1/2"	2-5/8"	0.072	66.68	1.65	3.01	18.3
3"	3-1/8"	0.095	79.38	1.83	3.99	17.3
4"	4-1/8"	0.122	104.78	2.41	6.93	17.2
ASTM B88		EN 12735-1		JIS H3300		

COPPER PIPE TO AMERICAN STANDARD ASTM B88 – TYPE L

NOMINAL SIZE (inch)	ACTUAL (inch)		ACTUAL (mm)		WEIGHT (kg/m)	PRESSURE (kg/cm ²)
	O.D.	W.T.	O.D.	W.T.		
1/4"	3/8"	0.030	9.52	0.76	0.187	61.7
3/8"	1/2"	0.035	12.70	0.89	0.295	52.8
1/2"	5/8"	0.040	15.88	1.02	0.426	48.1
5/8"	3/4"	0.042	19.05	1.07	0.540	42.2
3/4"	7/8"	0.045	22.22	1.14	0.675	38.8
1"	1-1/8"	0.050	28.58	1.27	0.974	34.0
1-1/4"	1-3/8"	0.055	34.92	1.40	1.32	31.0
1-1/2"	1-5/8"	0.060	41.28	1.52	1.70	28.0
2"	2-1/8"	0.070	53.98	1.78	2.61	24.9
2-1/2"	2-5/8"	0.080	66.68	2.03	3.69	22.9
3"	3-1/8"	0.090	79.38	2.29	4.96	22.0
4"	4-1/8"	0.110	104.78	2.79	7.99	20.4
ASTM B88		EN 12735-1		JIS H3300		

COPPER TUBE TO AMERICAN STANDARD ASTM B280 (SOFT DRAWN)

NOMINAL SIZE (inch)	WALL THICKNESS (inch)	ACTUAL (mm)		WEIGHT (kg/m)
		O.D.	W.T.	
1/4"	0.022	6.35	0.56	1.37
	0.028	6.35	0.71	1.69
	0.032	6.35	0.81	1.89
3/8"	0.022	9.52	0.56	2.11
	0.028	9.52	0.71	2.64
	0.032	9.52	0.81	2.97
1/2"	0.022	12.70	0.56	2.87
	0.028	12.70	0.71	3.59
	0.032	12.70	0.81	4.06
5/8"	0.022	15.88	0.56	3.62
	0.028	15.88	0.71	4.54
	0.032	15.88	0.81	5.15
3/4"	0.028	19.05	0.71	5.49
	0.032	19.05	0.81	6.20
ASTM B280				



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