



HEAT TRANSFER DIVISION

QUALITY OEM AND CUSTOM MANUFACTURED COILS

Chilled water/Hot water coils

Coils are manufactured from seamless copper tubes mechanically expanded into drawn fin collars of the fin surface. Tubes are staggered in the direction of airflow. Coil circuiting is counter flow to direction of airflow.

Headers

Seamless copper tube with die-formed holes that provide a parallel surface to the coil tube for strong brazing joints. Standard 1/4" vent with brass Schrader valve.

Connections

Sweat connections are standard with optional red brass schedule 40 male pipe thread (MPT).

Casing

Standard casings are manufactured from 18 Gauge G-90 galvanized material and include 1" flanges for ease of stacking and mounting.

Testing

All coils are leak tested under water at 500 PSIG of air and are suitable for operation at 400 PSIG.

Direct expansion coils

Coils are manufactured from seamless copper tubes mechanically expanded into drawn fin collars of the fin surface. Tubes are staggered in the direction of airflow. Coil circuiting is counter flow to direction of airflow.

Distributors

Brass liquid distributors are factory mounted using equal length tubes and circuited for equal refrigerant distribution to coil.

Connections

Sweat connections are standard

Casing

Standard casings are manufactured from 18 Gauge G-90 galvanized material and include 1" flanges for ease of stacking and mounting.

Testing

Coils are leak tested under water at 500 PSIG dehydrated, charged with nitrogen and sealed prior to shipping.

Available Fin materials	Available Tube material	Available casing material
Copper Aluminum Pre-coated E-coated	Copper	Galvanize Stainless steel Copper Aluminum

CAPABILITIES

Tube Spacing (Vert. x Horiz)	Copper Tube OD	Aluminum Fin Style--Fins Per Inch (FPI)				Rows Deep	Max Fin Height	Min/Max Fin Length
		Flat	Corrugated	Sine	Louvered			
1.000 x 0.625	5/16"	NA	6 to 22	6 to 22	NA	1 to 4	22	8"TO 33"
1.000 x 0.750	5/16"	NA	NA	6 to 22	NA	1 to 4	14	8"TO 16"
1.000 x 0.866	3/8"	NA	6 to 22	7 to 20	7 to 20	1 to 6	38	8"TO 94"
1.000 x 0.750	3/8"	NA	6 to 22	NA	7 to 20	1 to 5	38	8"TO 94"
1.000 x 0.625	3/8"	NA	NA	6 to 22	7 to 20	1 to 6	23	8"TO 94"
1.250 x 1.082	1/2"	5 to 22	NA	5 to 20	NA	1 to 6	37.5	8"TO 94"
1.500 x 1.299	5/8"	5 to 22	NA	4 to 20	NA	1 to 6	30	8"TO 94"

NOTE: OTHER TUBE DIAMETERS AND ROWS ARE AVAILABLE. CONTACT THE FACTORY FOR LEAD TIMES.