

Water Booster Coil

Types WC, BC

Primary Surface

Round seamless copper tubes are mechanically expanded into the fin collars of the secondary surface. The mechanical expansion provides a permanent metal-to-metal bond for efficient heat transfer. Tubes are staggered in the direction of airflow.

Secondary Surface

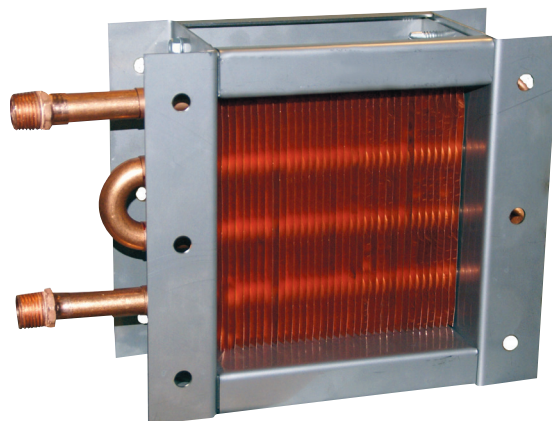
Corrugated aluminum or copper plate type fin that is die-formed. Fin collars are full-drawn to provide accurate control of fin spacing and maximum contact with tubes.

Headers

(When furnished) are seamless copper with die-formed holes that provide a parallel surface to the coil tube for strong brazing joints. All circuiting is designed to gravity-drain with the coil mounted vertically and tubes running horizontally.

Connections

Wrot copper male pipe thread (MPT).



Casing

Casing Type WC is 16 ga. galvanized steel with 1½” die-formed flanges to permit easy mounting. Casing Type BC is 20 ga. galvanized steel.

Testing and Performance

All coil assemblies are leak tested under water with dry air at 500 PSIG.

Performance is AHRI Certified™ to Air-Cooling and Air-Heating Coils AHRI Standard 410. Coil performance ratings are calculated using Ventrol AHRI Certified™ selection software.

Coil Options

Rows	Fin Height	Fin Length	Fin Spacing	Fin Thickness ALUMINUM	Fin Thickness COPPER	Tube O.D. Tube Thickness	Tube Spacing Face x Row	Casing	Max. Std. Operating Conditions
1,2	6” to 18”	6” to 48”	1/2” 8 to 14 fins per inch	1/2” 0.006”	1/2” 0.006”	1/2” 0.017”/0.025”	1/2” 1.25”x1.083”	Type WC 16 or 14 GA Galvanized Steel	250 PSIG 300° F
			5/8” 6 to 14 fins per inch	5/8” 0.008” 0.010”	5/8” 0.006” 0.008” 0.010”	5/8” 0.020”/0.028”	5/8” 1.50”x1.299”	16 or 14 GA 304, 316 Stainless Steel Type BC 18 GA Galvanized Steel	

1/2” and 5/8” refers to outside diameter (O.D.) of primary surface tubes.



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