

# 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

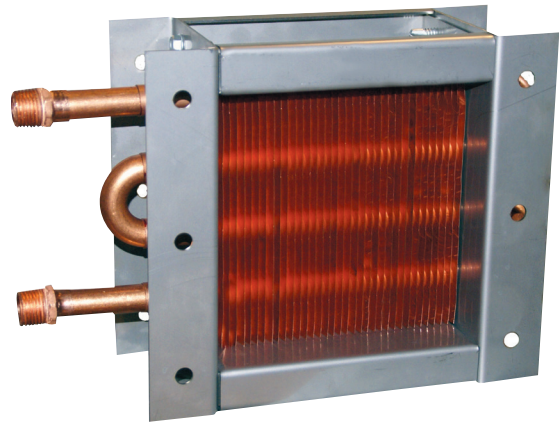
Corrugated aluminum or copper plate type fin that is die-formed. Fin collars are full-drawn to provide accurate control of fin spacing and maximum contact with tubes.

### 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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