

Water Booster Coil

Type WC

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 and only RETURN BENDS are used to ensure NO reduction in tube wall thickness in the bend radius associated with hairpin tubes.

Secondary Surface

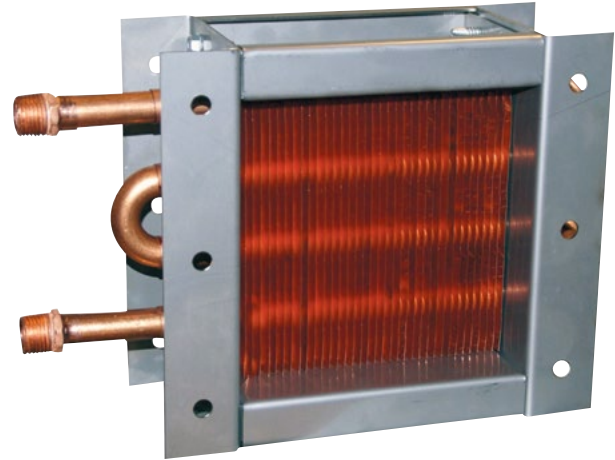
Corrugated aluminum or copper plate type fin that is die-formed. Fin collars are full-drawn to provide accurate control of fin spacing and maximum contact with tubes.

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

Copper MPT.



Casing

Die-formed flanges with stacking flanges on top and bottom. Intermediate tube supports are supplied on coils over 44" fin length with an additional support every 42".

Testing and Performance

All coil assemblies are leak tested under water with dry air at 315 PSIG.

Performance is AHRI Certified™ to Standard 410. Coil performance ratings are calculated using Temtrol 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"/1.083"	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" 0.025" 0.035" 0.049"	5/8" 1.50"x1.299"	304, 316 Stainless Steel	

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



nortekair.com



Specifications and illustrations subject to change without notice and without incurring obligation.

© Nortek Air Solutions, LLC 2024. All Rights Reserved.
NAS-OKC-COIL-WB-SB-20230526