

Hot Water Booster Coil

Types Z, A

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

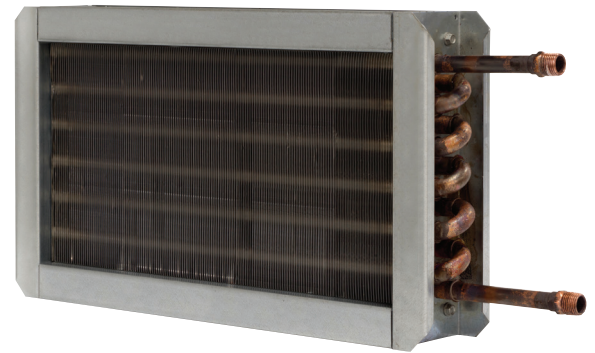
Corrugated aluminum plate type fin that is die-formed. Fin collars are full-drawn to provide accurate control of fin spacing and maximum contact with tubes.

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 male pipe thread (MPT).



Type Z shown

Casing

Casing Type Z is galvanized steel with 1½” die-formed flanges to permit easy mounting. Casing Type A is galvanized steel with die-formed bar for “slip & drive” duct connections.

Casing Type A option:

For “S” or Bar Slip and Drive Slip Duct Connections



Testing and Performance

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

Performance is AHRI Certified™ to Air-Cooling and Air-Heating Coils AHRI 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	Tube O.D. Tube Thickness	Tube Spacing Face x Row	Casing	Maximum Standard Operating Conditions
1,2	6” to 18”	6” to 48”	1-row 10 fins per inch 2-row 8 fins per inch	0.008”	5/8” 0.020”	1.50”x1.299”	Type Z 16 GA Type A 20 GA Galvanized Steel	250 PSIG 300° F



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