

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 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 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



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.

Coil Options

Rows	Fin Height	Fin Length	Fin Spacing	Fin Thickness ALUMINUM	Tube O.D. Tube Thickness	Tube Spacing Face x Row	Casing	Max. Std. Operating Conditions
1,2	6” 9” 12” 15” 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

*On 3” increments



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