



Type Z, A - Hot Water Booster Coils

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 – **NO** reduced tube wall in the bend radius by using hairpin bends.

Tube Size Options:

5/8" o.d. (tube wall thickness / return bend thickness) (.020" / .028"). Tubes are centered on 1.50" in the tube face and 1.299" between rows.

Rows available are 1 or 2.

SECONDARY SURFACE

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

Fin Material Options:

Aluminum fin .008" thick. Fins per inch available are 10 for 1 row, 8 for 2 row.

HEADERS

(Where 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 Z is 16 ga. galvanized steel with die-formed flanges to permit easy mounting.

Casing Type A is 20 ga. galvanized steel with die-formed bar for "slip & drive" duct connections.

TESTING AND PERFORMANCE

All coil assemblies are leak tested under water at 315 PSIG nitrogen. Standard construction is suitable for 250 PSIG and up to 300 degrees F.

PERFORMANCE is CERTIFIED under **AHRI Standard 410**. All coil performance ratings are according to Temtrol's ARI certified selection software.