

SPECIFICATIONS**TRIMFIN™****COMMERCIAL FIN TUBE RADIATION****General**

Contractor shall furnish and install as shown on the plans, Airedale TRIMFIN fin tube heating elements, enclosure, accessories and mounting components. Performance ratings to be I = B = R approved.

Heating Elements

Seamless copper tube shall be permanently bonded to aluminum fins by mechanical expansion of the tube. Tube outside diameters of 3/4", 1" or 1-1/4" are available as specified. Working pressures shall be 250 PSI at 300°F for 3/4" tube, 200 PSI at 300°F for 1" tube, 200 PSI at 300°F for 1-1/4" tube. Element lengths are 2' thru 12' in 6" increments for 1-1/4" diameter and 2' thru 8' in 6" increments for 3/4" and 1" diameter tube. Aluminum fins shall be 0.018" thick, 3-1/4" high by 2-3/4" deep with fin spacings of 34, 42 or 50 fins per foot. A fin size of 4-1/4" high by 2-3/4" deep shall also be available with the same fin spacings.

Enclosure Mounting

Enclosure shall be supported at the top by means of a continuous 20 gauge aluminized steel hanger strip. A V-bend at top of the hanger strip shall position the enclosure 1/16" from the wall and 1/4" above the top of the hanger strip so it is not visible, creating a clean, one piece appearance.

Heating Element and Enclosure Support

Element and enclosure supports shall be die formed 16 gauge galvanized steel. Supports are suspended from V-bend at the bottom of the hanger strip. Support location shall be infinite along the length of the hanger strip to allow proper location for secure fastening to wall. The support shall include a 16 gauge galvanized steel element cradle which shall slide freely on a polymeric disc allowing 2-7/8" silent, lateral movement during expansion and contraction of the heating element. Holes shall be provided near the top of the support for installation of "pegboard" style return pipe hangers. The bottom front of the support shall engage the bottom of the enclosure by use of double V-bends with enclosure securely locked in place by a quarter turn hex head latch operated from underneath the support.

Return Pipe Hanger

Return pipe hanger shall be "pegboard" style formed from 8 gauge wire. Return pipe hanger is available with all heights of enclosure, not with damper option.

Enclosure

Enclosure shall be slope top style having 3-5/8" overall projection from the wall and having pieces fastened together with a slip

joint having no visible fasteners. Enclosure heights shall be 8", 10" or 14" as specified in the plans. Lengths of enclosure shall be 2' through 8' in 6" increments. Enclosure shall be 18, 16 or 14 gauge steel as specified, that is cleaned phosphatized and painted with a light tan baked on prime coat enamel paint. Optional colors are available from the manufacturers color chart (AIR75-402 or AIR75-400) as selected by architect or engineer. Slope top of enclosure shall be 60 degrees from horizontal and consist of 2-1/2" wide banks of stamped 75 degree "pencil proof" louvers, 8 louvers per bank. 8" and 10" high enclosure shall be available with a single tier of heating elements, 14" high enclosures shall be available with single or two tiers of heating elements.

Dampers

Dampers shall be factory installed and be permanently attached to the enclosure, damper blades shall be 20 gauge steel, flanged for rigidity, cleaned, phosphatized and painted to match the enclosure. Exposed knob or tamperproof operator shall provide positive operation of damper blade in any position between open and closed.

Accessories

Accessories shall be 18 gauge steel of either slip joint or overlap style, cleaned, phosphatized and painted to match the enclosure.

Slip joint accessories which join to enclosure:

- End caps - 3" wide
- 12" wide end enclosure with 7"x7" access door
- Valve compartments with 7"x7" access door, 12", 16" or 20" wide, no louvers

Accessories that overlap the enclosure:

- Enclosure extension 5" wide
- Enclosure extension 12" wide
- Enclosure extension 12" wide with 7"x7" access door
- Inside corner 90°
- Outside corner 90°

Wall Support

- For use with enclosure extensions