

Installing AEROFLEX® EPDM Pipe Insulation to Uninsulated Strut Clamps

The installation of *uninsulated* strut clamps creates unintended consequences to mechanical system performance such as refrigerant and VRF piping.

The *uninsulated* section of piping within the clamp creates a thermal break in the insulation system which introduces heat gain (energy loss) and corrosion under insulation (CUI) on both sides of the clamp when moisture eventually penetrates beneath the pipe insulation.



Aeroflex USA recommends Aerofix® insulated pipe supports to provide a hermetic system of AEROFLEX® EPDM closed cell elastomeric insulation through strut clamps to ultimately prevent a thermal break, energy loss and corrosion under insulation.

When strut clamps are *uninsulated*, Aeroflex USA recommends the following installation procedures when installing AEROFLEX® EPDM pipe insulation:

- Cut pipe insulation lengths 1/4" + long to install under compression up to strut clamps.
- Install a vapor stop on both sides of the clamps by brushing a band of AEROFLEX® adhesive, the width of the insulation thickness, to both the pipe and inside diameters of the insulation tubes.
- When using AEROFLEX® Self-Seal™ pipe insulation, turn longitudinal seams away from direct sun exposure.
- Glue termination points of insulation to strut clamps under compression with AEROFLEX® adhesive.

These installation methods will not eliminate a thermal break since the piping within the clamp will continue to be exposed to the elements. However, pipe corrosion under insulation and pipe insulation “pulling away” from the strut clamps when the system is turned on can be prevented.

To learn more Aerofix® insulated pipe supports, please visit
<https://aeroflexusa.com/product/aerofix-u-insulated-pipe-supports/>

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