

Installation Instructions: Copper Sweat Connectors

Piping should be lined up accurately before installing the connector. Excessive angular or axial misalignment, and/or torque, will cause shearing stresses and severely limit the life of a connector. The system must be piped to eliminate excessive misalignment.

When installing copper sweat connectors, use care in making the sweat connections. Direct the flame away from the braid and factory brazed joint. A heat sink, cold pack, or other device may need to be wrapped around the connector to help dissipate heat. Do not braze or exceed 850° F installation temperature. After installation, clean all flux from the installed connector to prevent corrosion and failure.

Don't let the connector support any weight other than its own. The system piping must be properly supported and hung. Since the connector is flexible, any extra weight will stress it. Don't bend the connector near the end fittings. Don't stretch, compress, or force the connector. Avoid installing the connector with excess offset, tight radius bends, or "S" shaped bends.

When used to dampen vibration, the connector must be mounted close to the vibrating equipment, and the piping must be securely anchored next to the connector at the end opposite to the source of vibration. The connector will be most effective installed at right angles to the movement of the piping or parallel to the shaft of the vibrating equipment. For severe vibration applications install two connectors at right angles to each other, anchoring the connectors as explained above. It may be advisable to double the connector length.

When used to absorb thermal expansion and contraction movement in a piping system, adjacent piping must be properly guided and anchored. Any piping motion must be perpendicular to the connector centerline axis. These connectors are not designed for axial motion. They should not be allowed to compress or extend.

Never install a connector where its temperature or pressure ratings could be exceeded. Be sure you know the ratings for the connector and for the system.

Installer please note: *FOR USE IN APPLICATIONS BELOW FREEZING - condensate may collect and freeze under the braid or braid bands of the connector ("freeze out") partially collapsing the convolutions. To prevent "freeze out", you must wrap and seal the entire length of the connector with a vapor barrier tape, heat shrink PVC, or seal the outside surface of the connector with other waterproof material.*

WARRANTY IS VOID if the connector fails due to a factory joint weakened by brazing at installation or excessive installation temperature over 850° F, failure to clean up flux; or if the connector fails due to "freeze out" of connectors used in applications below freezing which are not protected with a waterproof cover.