



INSTALLATION INSTRUCTIONS BRAIDED METAL FLEXIBLE CONNECTORS

SERVICE CONDITIONS: Make sure the braided connector ratings for temperature, pressure, vacuum, and movements match the system requirements. Check to make sure the material selected is chemically compatible with the process fluid or gas. It is possible to install two braided connectors at right angles to each other in a pipe system to achieve greater flexibility. Otherwise, braided connectors are not designed for axial compression or extension.

ALIGNMENT: Piping should be lined up as closely as possible, and within the allowed connector limit. Misalignment reduces the rated movements of the connector.

PIPE SUPPORT: Piping must be supported with proper pipe supports so expansion joints do not carry any pipe loads.

STORAGE: Ideal storage is a warehouse. If storage must be outdoors, place on a wooden platform to keep braided connectors from coming in contact with exposed ground. Keep connectors in original packaging until installation if possible.

ADDITIONAL TIPS:

A. If braided connectors are to be installed underground, or will be submerged in water, contact the manufacturer for specific recommendations.

B. Check the tightness of flanges or unions two or three days after installation and retighten if necessary.

C. If welding near a braided connector, cover the unit with a weld blanket to keep weld splatter from damaging the braid cover.

FLANGE ATTACHMENT: Flange-to-flange (takeout) dimension of the braided connector must match the installation breach opening. Install the connector against the mating pipe flanges with bolts inserted so that bolt heads are against the connector flange. Flange holes of the connector and adjacent pipe flange should be aligned properly. Do not force the connector to match the bolt holes in order to avoid torsion which will reduce the connector capacity and life. Install gaskets between metal seals. Tighten bolts in stages by alternating around the flange. Torque bolts sufficiently to assure leak free operation.

THREADED PIPE ATTACHMENT: Install braided connector at its neutral length. Make sure fit-up allows for static face-to-face of braided connector. Braided connector threads and adjacent pipe threads/unions must be cleaned and free of sediment. Apply plumber's tape or pipe dope to threaded ends to ensure a positive seal when braided connector is installed in piping system. Install braided connectors to loose union/female ends and tighten per industry standards. **NOTE:** When installing union ends to connector, it is important not to induce torque to unit. When connector is subjected to torsional stresses, reduced operating life or failure will occur.

SWEAT END ATTACHMENT: Make sure ends of braided connector are clean and free of any foreign sediment. Also, check to make sure ends of adjacent pipe are clean and free of any sediment. Install braided connector in such a manner to eliminate any torque that may be imposed during fitup. Solder per industry standards. Rinse flux thoroughly.

WARNING: Braided metal flexible connectors may operate in pipelines or equipment carrying fluids and/or gases at elevated temperatures and pressures, and may transport hazardous materials. Precautions should be taken to protect personnel in the event of leakage or splash. Connectors should not be installed in inaccessible areas where inspection is impossible. Make sure proper drainage is available in the event of leakage when operating personnel are not available.