

Installation Instructions: F/J/R Connector / Expansion Joint

- 1) Piping should be lined up accurately before installing the connector. Angular, lateral, and axial misalignment, and / or torquing, will cause shearing stresses, so the system must be piped to **eliminate excessive misalignment** at the connector. If there is system vibration, the piping must be anchored immediately following the connector.
- 2) Check to be sure that the face to face opening between the mating flanges on the piping is the proper dimension for the connector and that the flanges are parallel. It is important that the **connector fit correctly** between the mating flanges. Tighten up the flange bolts evenly using the criss-cross method. Do not torque the flange bolts beyond 25 ft / lbs.
- 3) Don't rotate or torque the connector to match the bolt holes in the mating flanges. Piping and flanges should be installed straight and true so that the bolt holes are properly lined up. Flange bolts **should not be used** to correct system piping alignment problems.
- 4) Be sure to install the control rods, but don't pull them up tight. Leave about 1/4" between the nut and the flange face. Do not use the control rods for a piping system anchor or for piping hanger rods. **The control rods are important.** They restrain the connector from hyper-extending due to excessive system pressure or movement.
- 5) Mount the connector close to the pump or equipment. The piping **must be securely anchored** next to the connector, at the end opposite to the source of vibration. When the connector is used to absorb rated thermal motion in a piping system, the adjacent piping must be properly anchored and guided.
- 6) Don't let the connector support any weight except its own. System piping **must be properly supported** and hung. Since the connector is flexible, any extra weight will stress it.
- 7) This quality connector is lined with a space-age silicone *SILOFLEX* elastomer. **Do not** install it for continuous steam service.
- 8) **Never** install a connector where its temperature or pressure ratings could be exceeded. Be sure you know the ratings of the connector and of the system.
- 9) This is the finest quality equipment connector available. Install it with quality piping practices. This unique product is manufactured with pride **in the U.S.A.**