

Metraflex Copper / Bronze Hose and Braid Flex Connector OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

General: Metraflex copper / bronze flex connectors are flexible metal hose connectors designed to minimize vibration and make up for pipe misalignment. They are available in standard sizes and custom lengths. Please consult the factory submittals for specific performance specifications.

Application:

1. Flex connectors are designed to absorb vibration and lateral movement only. They are NOT designed for axial movement.
2. Flex connectors are available in a wide range of lengths and diameters. Each has its own performance characteristics. Confirm that the braided connector ratings for temperature, pressure, vacuum, and movements match the system requirements and that the material selected is chemically compatible with the process fluid or gas.
3. Flex connectors are not flow directional, unless optional flow conditioning vanes are included.

Installation:

1. Inspect flex connector for shipping damage. Damaged joints should not be used.
2. Piping should be aligned as closely as possible, and within the allowed connector limit.
3. Unit lengths must not be altered during installation. Install at dimensions indicated on submittal drawings.
4. Piping must be properly supported so flex connectors do not carry any pipe loads.
5. Do not torque flex connectors.
6. Avoid over bending the hose to a radius smaller than listed in the specification tables. Avoid sharp bends especially near the ends.
7. Exposure temperatures exceeding 1000°F may damage internal expansion compensator joints. Use cold strapping or other heat sink procedures to avoid exposure temperatures exceeding 1000°F.

Testing:


1. Joint may be one-time pressure tested to 1-1/2 times the product's maximum operating pressure. Do not exceed maximum pressure or temperature during operation.
2. Metraflex recommends hydrostatic test with all air in the system removed. If an air test is performed, appropriate safety precautions must be made.

Precautions:

1. Connectors should not be installed in inaccessible areas where inspection is impossible.
2. Make sure proper drainage is available in the event of leakage when operating personnel are not available.
3. If welding near a braided connector, cover the unit with a weld blanket to keep weld splatter from damaging the braid cover.

Maintenance:

Flex Connectors have no serviceable parts and do not require maintenance. Metraflex recommends periodic inspection for leakage or damage such as dents or broken braid. If damaged, replace and do not use.

CUSTOMER _____ PROJECT _____ ENGINEER _____ ARCHITECT _____ PRO. OR P.O. NO. _____				
	DESCRIPTION: Copper/Bronze Hose & Braid Flex Connector Operation, Installation and Maintenance Instructions			
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