

FIRESTRAIT FLEXIBLE CONNECTOR FOR FIRE SPRINKLER SYSTEMS

OPERATION, INSTALLATION, AND MAINTENANCE INSTRUCTIONS

General: Metraflex FireStrait connectors are flexible metal hose connectors designed to minimize vibration, compensate for pipe misalignment, and absorb lateral pipe movement.

Application:

1. FireStrait connectors are designed to absorb vibration and lateral movement only. They are NOT designed for axial movement.
2. FireStrait connectors are available in variety of lengths and diameters. Each has its own performance characteristics. Confirm that the braided connector ratings for pressure, movements, and movement type match the system requirements and that the material selected is chemically compatible with the application.
3. FireStrait connectors can be connected to adjacent piping with rigid or flexible type couplings.

Installation:

1. Inspect connector for shipping damage; insure that the shipping restraints are intact. Damaged units 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 FireStrait connectors do not carry any pipe loads.
5. Flange holes of the connector and adjacent pipe flange should be aligned properly. Do not try to compensate for flange or pipe misalignment by putting any torsional, compressive, extension, or offset loads on the connector.

Testing:


1. Connector may be one-time pressure tested to 200 psi or 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. If welding near a braided connector, cover the unit with a weld blanket to keep weld splatter from damaging the braid cover.

Maintenance:

FireStrait 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: FIRESTRAIT HOSE AND BRAID CONNECTOR Installation Instructions	
	DRAWING BY: JW	DATE: 06-07-19
		DRAWING NO. FIRESTRAIT - OIM