

## SuperFlex all Stainless Steel Hose OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

**General:** Metraflex SuperFlex connectors are flexible metal hose connectors featuring close pitch stainless steel hose for tighter bend radius. SuperFlex is 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. SuperFlex 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. SuperFlex connectors are not flow directional.

**Installation:**


1. Inspect SuperFlex 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.
4. Piping must be properly supported so flex connectors do not carry any pipe loads.
5. Do not torque SuperFlex connectors
6. Avoid over bending the hose to a radius smaller than listed in the specification tables. Avoid sharp bends especially near the ends. See table and illustration.

NPS	Max Working Pressure (70 Deg F)	Maximum Bending Radius (in inches) One Time	Intermittent Flexing
1/2"	985	1.5	6.0
3/4"	690	2.0	9.0
1"	555	2.5	10.0
1-1/4"	520	3.0	11.5
1-1/2"	480	3.5	12.0
2"	415	4.5	17.5

7. SuperFlex is supplied with a Male Pipe Thread (MPT) on one end and a Female Pipe Thread (FPT) union on the other. Only apply thread tape or compound to the MPT and FPT threads. Do not apply thread compound to the union connection.
8. Do not expose SuperFlex to flux.

**Testing:**

1. Connector 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.

CUSTOMER _____ PROJECT _____ ENGINEER _____ ARCHITECT _____ PRO. OR P.O. NO. _____		
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DRAWING BY: JC	DATE: 04-25-16	DRAWING NO. SFLX-OIM 1 of 2

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## OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

**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:**

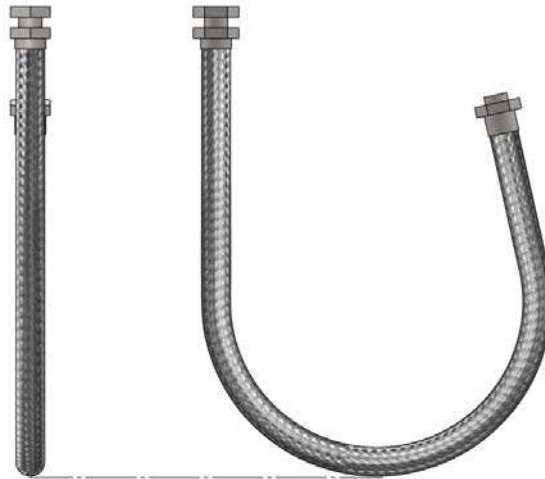
SuperFlex Connectors have no serviceable parts and do not require maintenance. Metraflex recommends periodic inspection for leakage or damage such as dents or broken braid. If damaged, replace and do not use.



INCORRECT



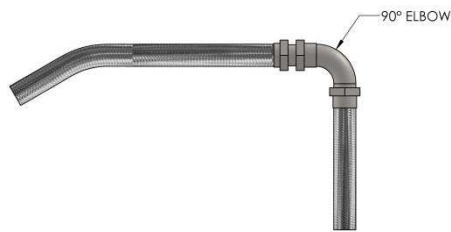
CORRECT



CORRECT



INCORRECT



GOOD



BAD

CUSTOMER _____
PROJECT _____
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