




# CLP, CLP-SS Flexible Fittings For Use In Hazardous Locations



**Sira 10ATEX 1068U** 0539  **II 2GD**  
**IECEX SIR 10.0057U**  
Ex d IIC Gb, Ex t IIIC Db IP66

English

## 1. General Safety Information:

### CAUTION:

Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.

Make sure that the circuit is De-energized before starting installation or maintenance.

Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

### Important:

Please read these instructions carefully before installing or maintaining this equipment. Good electrical practices should be followed at all times and this data should be used as a guide only.

The Devices are intended for use in hazardous locations where movement or vibration requires a flexible connection or a difficult bend is required in a conduit system.

## 2. Installation Instructions:

Apply a non-hardening lubrication to the threads on both ends of the flexible fitting. Thread lubricate is recommended. Other certified lubrications or petroleum jelly may be used.

Thread one end of the flexible fitting into the correct size NPT female opening or male nipple until hand tight plus one turn minimum with a wrench. At this point the flexible fitting will no longer be able to be turned. The opposite end will require a certified union or un-poured sealing fitting threaded onto it, again, until hand tight plus one turn minimum with a wrench.

When installing the flexible fitting ensure that all bends are not less than the minimum bend radius allowed. Refer to the catalog for the radii of the flexible fittings.

Minimum Bend Radius					
Conduit Size (inches)					
1/2	3/4	1	1-1/4	1-1/2	2
10"	12"	14"	14"	16"	18"

### **3. Certification Information:**

#### **UL Certifications:**

Refer to the Catalog for North American "Class and Division" ratings as they vary by Series and Conduit Size.

#### **IEC / ATEX Certifications:**

IECEX SIR 10.0057U Iss. 2 / Sira 10ATEX 1068U Iss. 3

0539  II 2 GD

Ex de IIC Gb

Ex tb IIIC Db

#### **Standards Applied:**

EN 60079-0:2012+A11:2013

IEC 60079-0:2011 Ed. 6.0

EN 60079-31: 2014

IEC 60079-31:2013<sup>1</sup> Ed. 2

EN 60079-1: 2014

IEC 60079-1:2014-06 Ed. 7

### **CONDITIONS FOR SAFE USE:**

1. Each Flexible Fitting Series conduit assembly shall be provided with a suitably certified conduit sealing device at the point where it connects to the associated flameproof equipment.
2. Each Flexible Fitting Series CLP, CLP-SS conduit assembly is capable of meeting a degree of ingress protection of IP66. This condition will only be met when the ends are connected to a certified conduit sealing device or fitting which is rated IP66.
3. The temperature range in which the Flexible Fitting Series may be used is limited to -40°C to 150°C. Caution: If using conductors with a lower temperature range the temperature rating of the assembly defaults to that of the conductors.
4. The user shall ensure the appropriate earthing / grounding method is provided for the conduit assembly.

### **4. Maintenance Instructions:**

Flexible fittings and their connections should be inspected on a regular basis.

The external braided hose should be inspected to ensure there is no damage or excessive wear to braid hose covering. This is especially important in high vibration applications and machinery that makes repetitive movement causing the flexible fitting to curl and uncurl as part of its normal operation.

Check to make sure the threaded connections are still tight and have not come loose.

**WARNING:** Do not try to repair a damaged flexible fitting. It should be replaced before the conduit system or machinery is placed back into service.