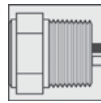





DYNAFLO

FEED THROUGH ELECTRICAL CONNECTION
- instruction manual -

FEED THROUGH Electrical Connection



! WARNING !

The Feed Through Electrical Fitting is directional and must be installed correctly to perform up to the maximum pressure rating. Please consult Installation Diagrams for guidelines to correct use.

The Feed Through Electrical Fitting is to be used only as a secondary seal and is to be installed in conjunction with a device that contains a primary seal. Please refer to the attached drawings and instructions. Please refer to the ANSI/ISA Document 12.27.01 for definitions of primary and secondary seals.

Also consult with local AHJ, Certification and Engineering Authorities, for the accepted installation methods and practices.

This device conforms to the CEC Section 18 and NEC requirements for Secondary Seals.

If the primary seal fails this device will contain and prevent Flammable or Explosive fluids from migrating through the cable and conduit system.

Feed Through Electrical Connection wires are fragile below -20°C (-4°F). DO NOT twist or bend wires in extreme cold, damage may occur! Warranty may be void if warnings are ignored.

This product must be installed with conduit or flame rated enclosures on both connection sides of the device.

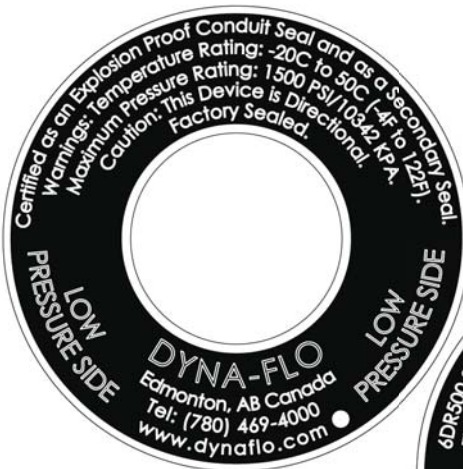


Figure 2 Metal Certification Tag - Back View

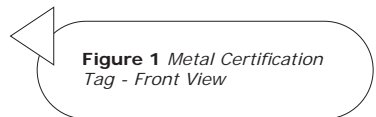


Figure 1 Metal Certification Tag - Front View





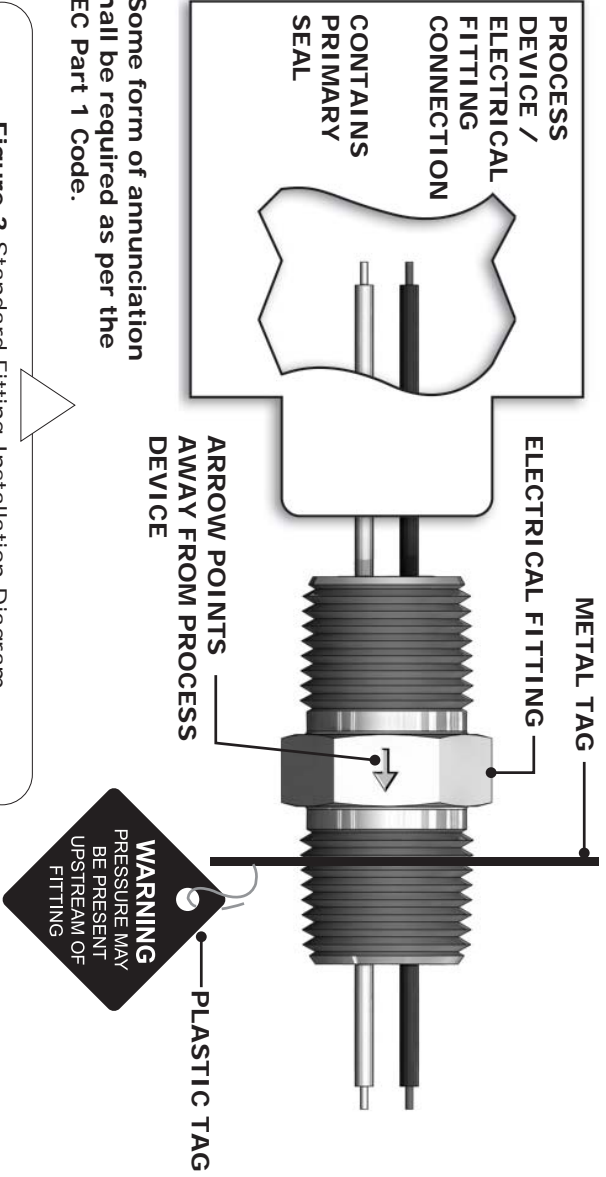
Feed Through Electrical Connection

Fitting Installation Diagram

*Some form of annunciation shall be required as per the CEC Part 1 Code.

Figure 3 Standard Fitting Installation Diagram

- 1 Install with arrow on secondary seal pointing away from the process device (pressure connection).
- 2 Metal certification tag is on the down stream side of the seal away from the process device (pressure connection).





Fitting Installation Diagram

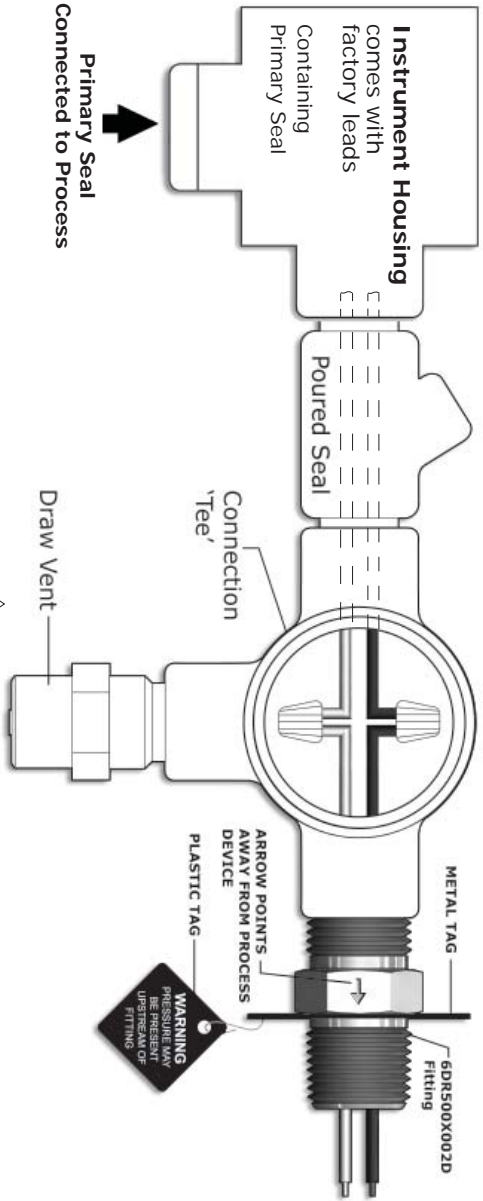


Figure 4 Fitting installation diagram for wire leads leaving housing and not marked 'factory sealed'

Figure 4 shows the installation diagram for instruments or devices that have wire leads coming out of the housing and no factory seal. The poured seal must be installed on wires coming out of the device.

! CAUTION !

Install with arrow on secondary seal pointing away from the process device (pressure connection).
The metal certification tag is on the down stream side of the seal away from the process device (pressure connection).

! WARNING !

The Feed Through Electrical Connection is only to be used as a secondary seal.



Feed Through Electrical Connection

Fitting Installation Diagram

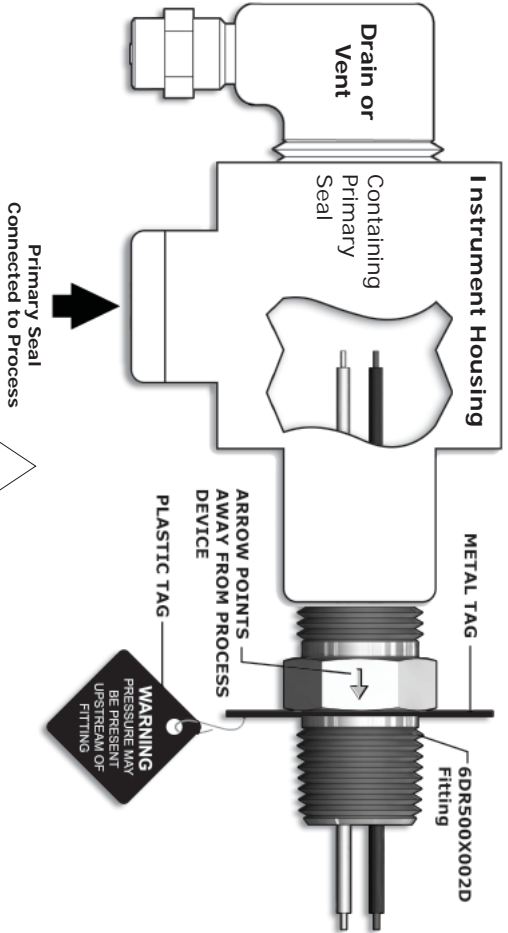


Figure 5 Fitting installation diagram for two port electrical connection

Figure 5 shows the installation diagram for instruments or devices that have two ports for electrical connections.

CAUTION: Install with arrow on secondary seal pointing away from the process device (pressure connection). The metal certification tag is on the down stream side of the seal away from the process device (pressure connection).

WARNING: The Feed Through Electrical Connection is only to be used as a secondary seal.



Feed Through Electrical Connection

Fitting Installation Diagram

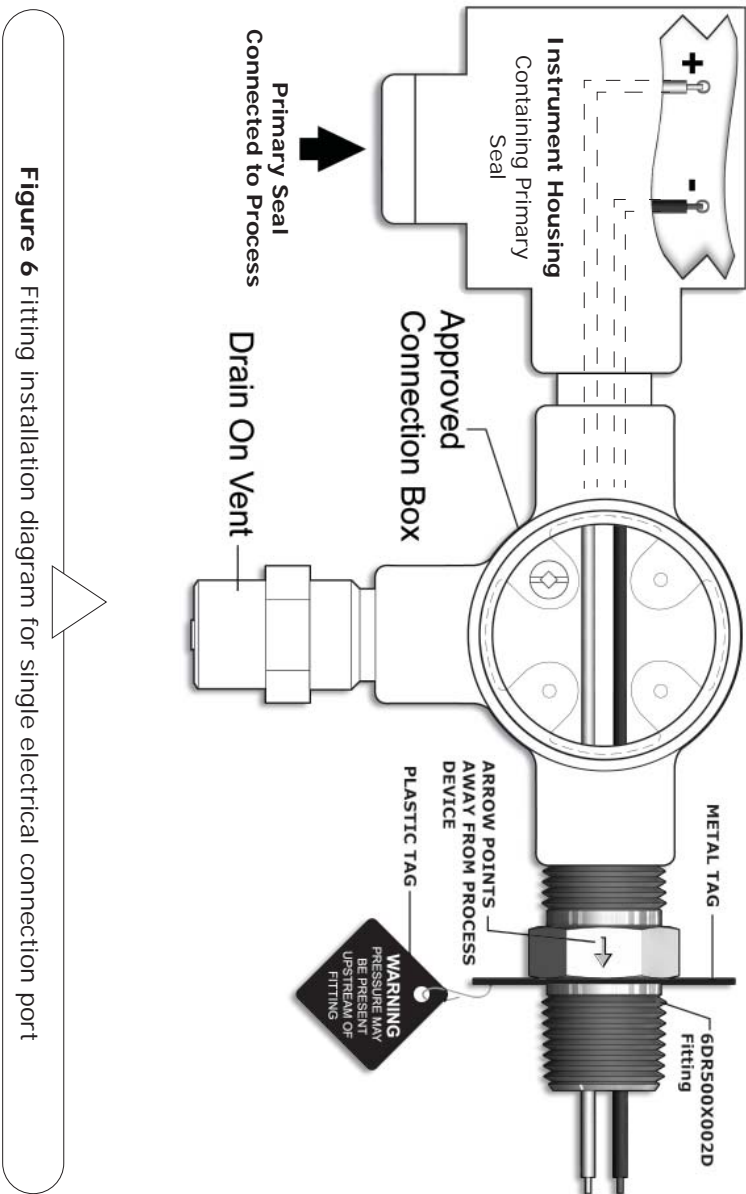


Figure 6 Fitting installation diagram for single electrical connection port



Feed Through Electrical Connection

Fitting Installation Diagram

Figure 6 shows the installation diagram for instruments or devices that have single electrical connection ports with wires coming out of the instrument and has a factory seal. The electrical port has a factory seal which has not been tested or approved as a pressure seal.

OR

Installation for instruments or devices that have single electrical connection ports without wires coming out of the instrument and require termination inside of the instrument.

! CAUTION !

Install with arrow on secondary seal pointing away from the process device (pressure connection). The metal certification tag is on the down stream side of the seal away from the process device (pressure connection).

! WARNING !

The Feed Through Electrical Connection is only to be used as a secondary seal.

CERTIFICATION STANDARDS

C22.2 No. 0-M91	General Requirements - Canadian Electrical Code Part II
C22.2 No. 30-M1986	Explosion-Proof Enclosures for use in Class I Hazardous Locations
UL 1203 - 4th Ed	Explosion-Proof and Dust-Proof Ignition-Proof Electrical Equipment for use in Hazardous (Classified) Locations
ANSI/ISA-12.27.01-2003	Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids

Our Commitment of Quality

Dyna-Flo is committed to continuous improvement. All efforts have been taken to maximize the accuracy of this information. Without notification, product specifications and designs may be modified at any time. The issue of this document is for information only, and does not imply suitability, a warranty, or guarantee for a specific service.



**DYNA-FLO Control Valve
Services LTD - Edmonton, AB**

**DYNA-FLO Control
Valve Services LTD**

**#225, 404-6th Avenue SW
Calgary, Alberta, Canada
T2P 0R9**

**Phone: (403) 668-5558
Fax: (403) 269-2287**

**1911 - 66 Avenue
Edmonton, Alberta, Canada
T6P 1M5**

**Phone: (780) 469-4000
Sales Fax: (780) 469-4035
Toll Free: 1-866-396-2356
(North America)**

DYNA-FLO Inc. - Pasadena, TX

**2007A Preston Avenue
Pasadena, Texas
77503**

**Phone: (713) 477-7466
Fax: (713) 477-7467**

DF1

www.DYNAFLO.COM