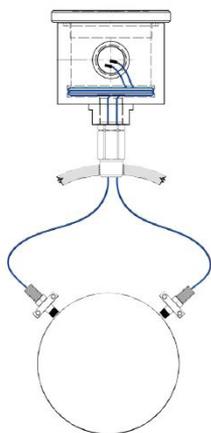


## 5498JB Conduit Body and 5494LP Feed Through Installation Manual



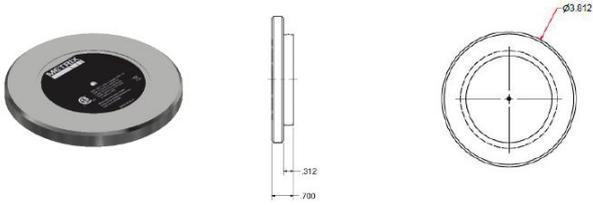
### 1. Scope of Delivery

- 1x 5498JB Conduit Body with four ¾" NPT conduit penetrations
- 3x Plugs to prevent intrusion through a penetration without conduit
- 1x 5494LP low pressure feed through, includes
  - 1x 316 Stainless Steel Body
  - 1x 316 Stainless Steel Cap
  - 1x Fluoroelastomer Split Grommet
  - 1x Compression Plug / Bushing
  - 4x Plugs to fill unused holes in Split Grommets

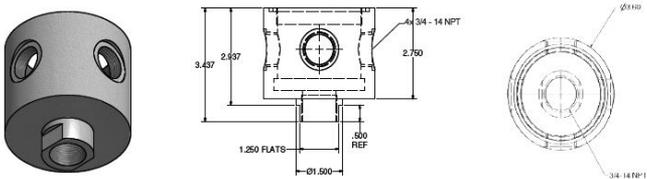


## 2. Outline and Dimensions

TOP



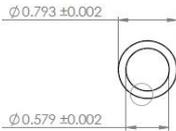
BODY



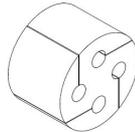
FEEED THROUGH



BUSHING



GROMMET



PLUGS (4)



### 3. Specifications

#### 5498JB CONDUIT BODY SPECIFICATIONS

Fitting Material: Aluminum

Temperature Range: -40° to 90°C (-40° to 194°F) limited by Low Pressure Feed Through

Pressure: Atmospheric

Ingress Protection Rating: IP66 with water tight conduit connections

Connection Thread: 3/4" NPT (4)

Feed Through Thread: 3/4" NPT

Overall Length (includes Feed Through): 6.25" (180mm)

#### LOW PRESSURE FEED THROUGH SPECIFICATIONS

Fitting Material: 316 Stainless steel

Grommet Material: Fluoroelastomer

Temperature Range (Grommet): Fluoroelastomer: -40° to 90°C (-40° to 194°F)

Pressure: 50 psi (3.4 bar) at 20°C

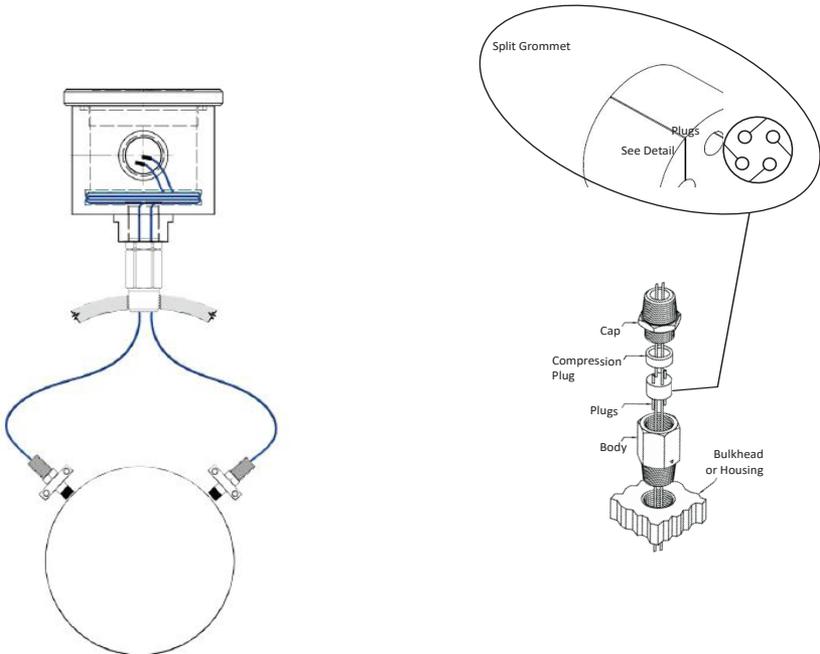
Ingress Protection Rating: IP66

Connection Thread: 3/4" NPT

Process Thread: 3/4" NPT

Overall Length: 3.25" (82mm)

### 4. Design and Installation



## **5. Installation Steps**

1. With the machine shutdown and rendered safe, drill and tap a 3/4" NPT hole into the appropriate location on the machine casing. If the 3/4" NPT hole is already in the casing skip this step.
2. Insert the Base (long end) of the Feed Through (5494LP) into the machine. Torque to 100 ft-lbs (135 N-m).
3. Feed up to four MX8030 or MX2030 cables through the Body of the 5494LP Feed Through.
4. Remove the appropriate number of plugs from the Grommet to allow the cables to pass through from step 3.
5. Using the slits in the Grommet, insert the cable into the round hole so that the Grommet completely surrounds the cable.
6. Perform step 5 for all of the cables going through the Feed Through.
7. Insert the Grommet into the Feed Through Body, adjust the cables to where you want them prior to completing the assembly.
8. Put the cables through the Compression Collar. Push the Compression Collar onto the top of the Feed Through Body and on top of the Grommet. All of the cables should be in their proper holes and within the internal radius of the Compression Collar, if not make necessary cable adjustments.
9. Put the cables through the remaining Cap Feed Through Section with the straight smaller diameter threads going into the top of the Feed Through Base. Keep the cables from twisting while hand tightening the Cap Feed Through Section into the Body.
10. Torque the Cap Feed Through Section onto the Body with 70 ft-lbs (95 N-m) of torque. This will force the Compression Collar down onto the Rubber Grommet and create a tight seal – 50 psi max (3 atmospheres).
11. If appropriate, put the cable through the base of the 5498JB Junction Box, and then screw the Junction Box onto the Feed Through (hand tight should be sufficient).
12. Connect 3/4" NPT conduit to the 5498JB Junction Box.

## **WARNING**

1. Keep cover tight to prevent ignition of hazardous atmosphere, disconnect circuits before removing cover, seals are required within 6" (152mm) of enclosure on all conduits if used in a hazardous area.
2. The enclosure is manufactured from Aluminum or Stainless Steel. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation.

L'enclos est fabriqué à partir de Aluminum or Stainless Steel. Dans de rares cas, des sources d'inflammation dues à l'impact et aux étincelles de friction peuvent se produire. Ceci doit être pris en compte lors de l'installation.

info@metrixvibration.com

www.metrixvibration.com

8824 Fallbrook Dr. Houston, TX 77064, USA

Tel: 1.281.940.1802 • Fax: 1.713.559.9421

After Hours (CST) Technical Assistance: 1.713.452.9703