

# Rosemount™ Hygienic Process Connection Adapter

Dairy Coupling, VARIVENT® , Tri Clamp



## 1 About this guide

This guide provides instructions for installing a hygienic process connection adapter on Rosemount 326, 327, and 1408 transmitters with G1 process connectors. The following adapters are covered by this guide:

**Table 1-1: Hygienic Process Connection Adapters**

Part number	Description
FB-1001	1½-in. Tri Clamp (ISO 2852 / DIN 32676)
FB-1002	2-in. Tri Clamp (ISO 2852 / DIN 32676)
FB-1010	VARIVENT® Type F
FB-1011	VARIVENT Type N
FB-1020	DN32 Dairy Coupling (DIN 11851)
FB-1021	DN40 Dairy Coupling (DIN 11851)
FB-1022	DN50 Dairy Coupling (DIN 11851)

## 1.1 Safety instructions

Follow these guidelines to ensure safe use and extend the life of the product.

### ⚠ CAUTION

- Read this document before using the product and keep it during the entire service life.
- The product must be suitable for the corresponding applications and environmental conditions without any restrictions.
- Only use the product for its intended purpose.
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property might occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Installation, electrical connection, set-up, operation and maintenance of the product must be carried out by qualified personnel.

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## 1.2 Hygienic adapter O-ring

The adapter comes with an EPDM O-ring. More O-rings are available as accessories. See each product's [Product Data Sheet](#) for more information.

## 2 Install the adapter

### Prerequisites

Use a new adapter when replacing a PEEK sealing ring or changing from a PEEK seal to O-ring sealing.

### Procedure

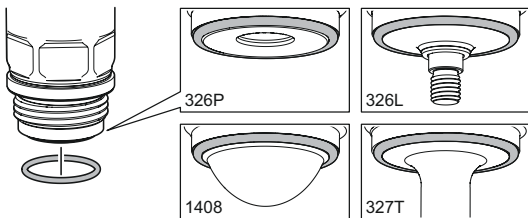
1. Place the O-ring in the groove of the transmitter.

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#### Note

Be careful not to scratch or damage the surfaces of the transmitter.

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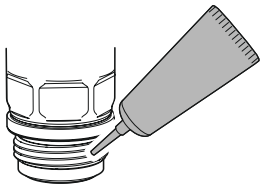
2. Grease the transmitter thread with lubricating paste.

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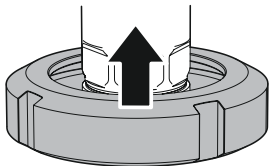
#### Note

The paste must be approved for the application and compatible with the elastomers used.

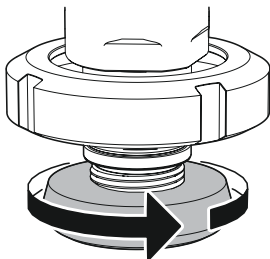
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3. (Only for DIN 11851) Slide the coupling nut up over the bottom of the transmitter.



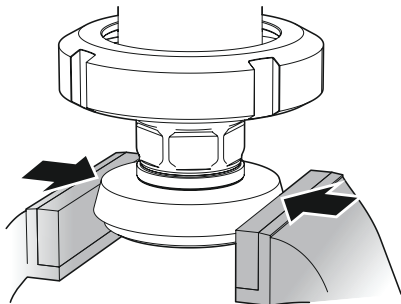
4. Screw the adapter onto the transmitter until it is hand-tight.



5. Secure the transmitter and adapter using a vise.

**⚠ CAUTION**

Do not over-tighten the vise as it might damage the adapter.



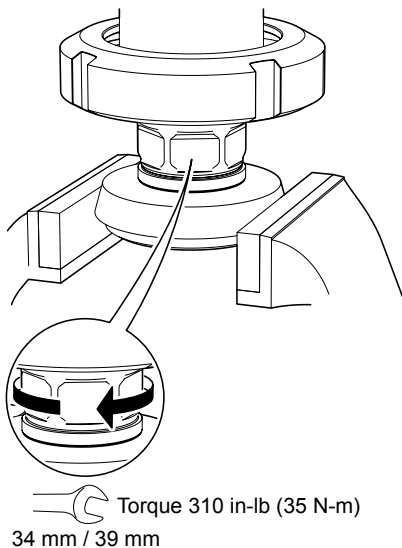
6. Tighten the transmitter to the recommended torque.

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**Note**

Further tightening may affect the sealing effect.

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## 3 Mount the transmitter

### Procedure

Mount the transmitter and adapter assembly using a fixing element (coupling nut or clamp flange).

## 4 Product certifications

### 4.1 3-A® certification

FB-1001, FB-1002, FB-1010, and FB-1011 are authorized to display the 3-A symbol. Ensure gaskets and any other accessories selected for installation meet both the application and 3-A requirements. A certificate of compliance is available at [Emerson.com/Rosemount](https://www.emerson.com/Rosemount).

### 4.2 Other industry certifications

All connector surfaces and materials which come into contact with process medium comply with the following regulations:

- (EC) No. 1935/2004
- (EC) No. 2023/2006
- CFR Title 21 (FDA) § 177.2600
- CFR Title 21 (FDA) § 177.2415













**Quick Start Guide**  
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