Quick Start Guide
00825-0100-4103, Rev 02
August 2020

Rosemount™ Hygienic Process Connection Adapter

Dairy Coupling, VARIVENT®, Tri Clamp



ROSEMOUNT™

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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.

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

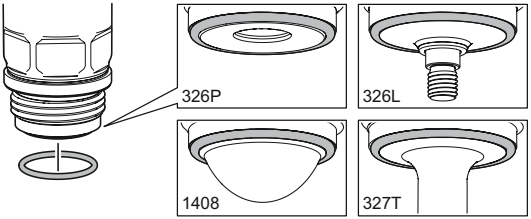
Prerequisites

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

Procedure

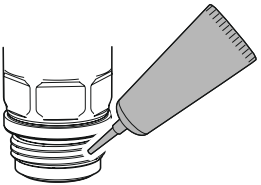
1. Place the O-ring in the groove of the transmitter.

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

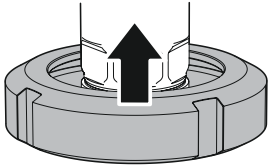


2. Grease the transmitter thread with lubricating paste.

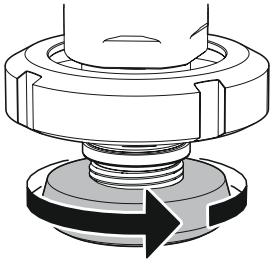
Note
The paste must be approved for the application and compatible with the elastomers used.



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



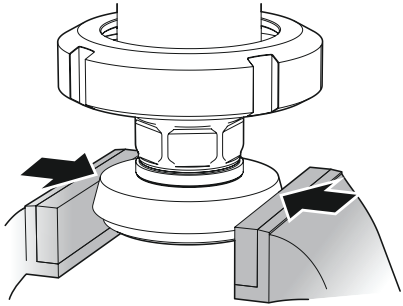
4. Screw the adapter onto the transmitter until it is hand-tight.



5. Secure the transmitter and adapter using a vise.

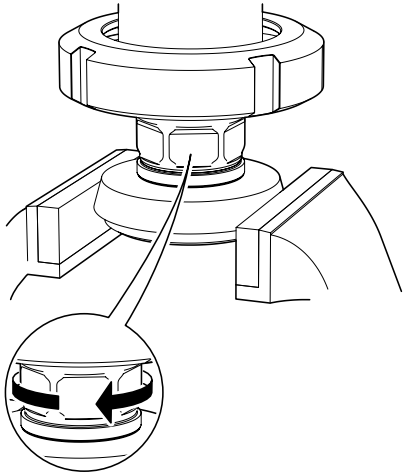
⚠ CAUTION

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



6. Tighten the transmitter to the recommended torque.

Note
Further tightening may affect the sealing effect.



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.

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

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