Quick Start Guide
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Rosemount™ Hygienic Process Connection Adapter

Universal process adapter (RD52) for transmitters with a G1 process connection

FB-1045

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1 Overview

Use the process connection to install Rosemount 326 and 327 transmitters with G1 process connectors.

Safety instructions

⚠ 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.

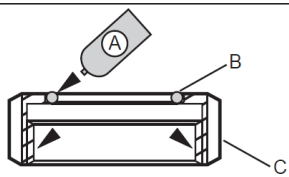
2 Install the adapter

Follow these steps to install the universal process adapter to a transmitter.

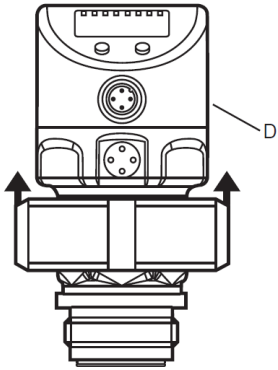
Procedure

1. Grease thread and seal (B) of the coupling nut (C) with lubricating paste (A).

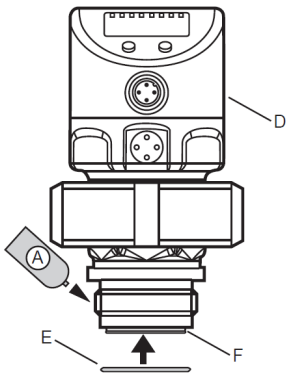
   Note
   The paste must be approved for the application and compatible with the elastomers.



2. Slip the coupling nut onto the transmitter (D) from the bottom.



3. Grease the transmitter thread with lubricating paste (A) (see the note above).
4. Place the transmitter ring (E) in the groove (F) of the transmitter.



The adapter comes with an EPDM O-ring. More sealing rings are available. For more information see the transmitter datasheet or visit Emerson.com/Rosemount.

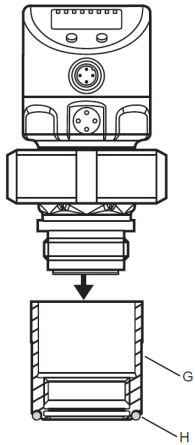
- FKM O-ring
- PEEK sealing ring

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

5. Screw the adapter (G) onto the transmitter until it is hand-tight.

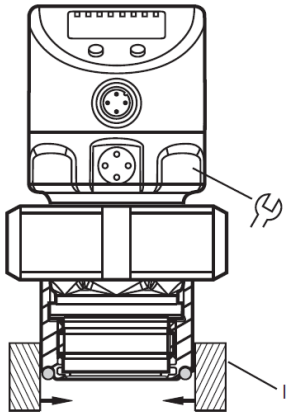
Note
Avoid mechanical effects on sealing areas, process wetted surfaces, and the pressure measuring cell if mounting a Rosemount 326P Pressure Transmitter.

6. Ensure the O-ring (H) is correctly positioned.



7. Secure the transmitter and adapter assembly into a vice (I).

Note
Do not over-tighten. Over-tightening the vice may cause the transmitter and adapter assembly to warp.



8. Tighten the transmitter to a torque of 25.81 ft/lbs (35 Nm).

⚠ CAUTION

Further tightening may affect the sealing effect.

3 Mount the transmitter

Follow these steps to install the transmitter after installing the hygienic process connection adapter.

Procedure

1. Insert the transmitter and adapter assembly in a universal process connection RD52.
2. Tighten the coupling nut.

4 Product certifications

4.1 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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