

Installation Instructions

Flowfit COA30

For replacing the seal of the COA30



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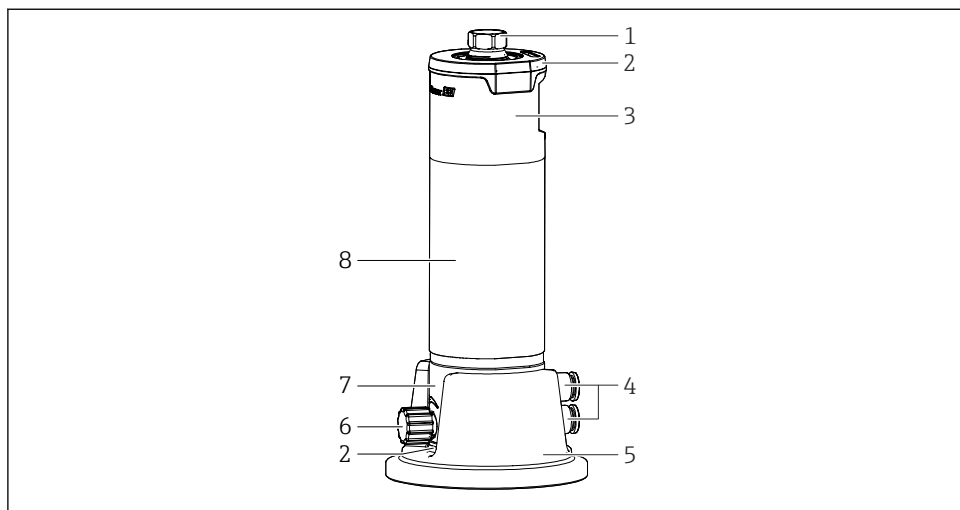
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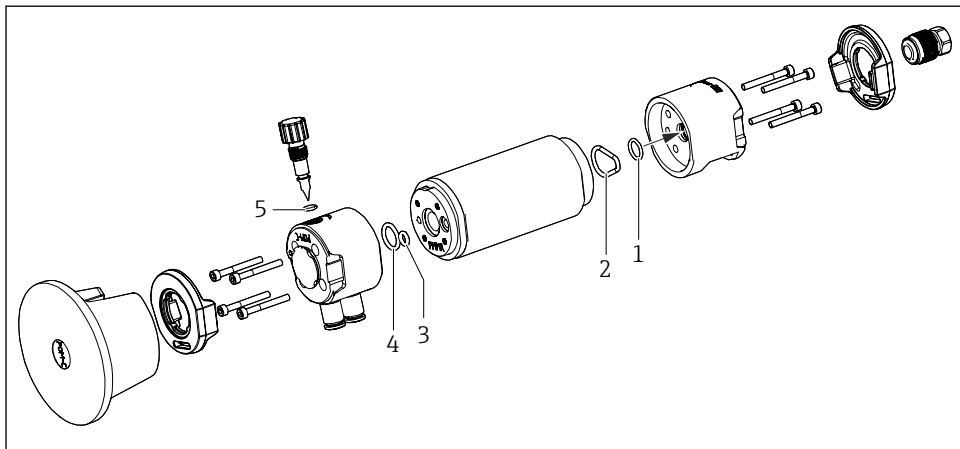
1 Overview of Flowfit COA30



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1 Overview of Flowfit COA30

- 1 Blind plug
- 2 Edge protector
- 3 Housing top
- 4 Hose connections
- 5 Stand base
- 6 Needle valve
- 7 Housing base
- 8 Housing center section



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2 Installation positions of O-rings

- 1 O-ring ID 11.0 EPDM
- 2 O-ring ID 21.8 EPDM
- 3 O-ring ID 5.2 EPDM
- 4 O-ring ID 13.9 EPDM
- 5 O-ring ID 6.0 EPDM

2 Designated use

- The parts of the kit must only be used as retrofit parts and spare parts for the COA30 assembly. Any other use is not permitted!
- Use only original parts from Endress+Hauser.
- In the Device Viewer, check if the spare part is suitable for the device in question.

3 Authorized installation personnel

- Installation, commissioning, operation and maintenance of the measuring system may be carried out only by specially trained technical personnel.
- The technical personnel must be authorized by the plant operator to carry out the specified activities.
- The electrical connection may only be established by an electrical technician.

- The technical personnel must have read and understood these Installation Instructions and must follow the instructions they contain.
- Faults at the measuring point may only be rectified by authorized and specially trained personnel.
- In the case of Ex-certified devices, the technical personnel must also be trained in explosion protection.



Repairs not described in the Operating Instructions provided may only be carried out directly at the manufacturer's site or by the service organization.

4 Safety Instructions

WARNING

Risk of injury from high pressure, high temperature or chemical hazards if process medium escapes!

- ▶ Before installing or removing an assembly, depressurize, drain and clean the system.

CAUTION

Risk to health due to contact with the process medium

- ▶ Wear protective gloves, safety goggles and protective clothing, particularly when working with reagents, chemicals or process solutions.
- ▶ In case of contact with eyes or skin, rinse the affected area with plenty of water and then seek medical advice. Show the relevant safety data sheet to the physician.

NOTICE

Material damage due to solvents!

- ▶ When cleaning, make sure that the housing center section (PMMA version) doesn't come into contact with the isopropanol cleaning agent. This solvent could destroy plastic parts of the housing center section (PMMA version).



Potential impact on the process

Before decommissioning an active device, the potential impact on the overall process must be taken into account! This applies in particular when using the associated measuring instrument to control process variables.

5 Scope of delivery


5.1 71685384 kit COA30 seal set

The kit contains the following parts :

- | | | | | | |
|---|-----|---------------------|---|-----|--|
| 1 | 1 x | O-ring ID 13.9 EPDM | 4 | 1 x | O-ring ID 5.2 EPDM |
| 2 | 1 x | O-ring ID 21.8 EPDM | 5 | 1 x | O-ring ID 6.0 EPDM |
| 3 | 1 x | O-ring ID 11.0 EPDM | 6 | 1 x | Klüber UNISILKON L 2g lubricating grease |



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 3 Kit COA30 seal set

6 Additional documentation

Detailed information on the device can be found in the Operating Instructions for the assembly and in the other documentation available at:


- www.endress.com/device-viewer
- Smartphone/tablet: Endress+Hauser Operations app

7 Replacing the O-rings

WARNING

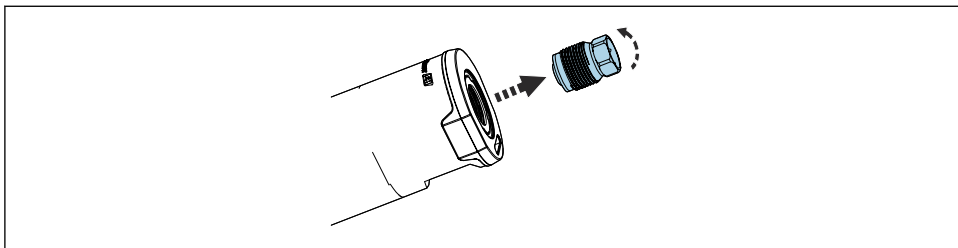
Risk of injury from high pressure, high temperature or chemical hazards if process medium escapes!

- ▶ Before installing or removing an assembly, depressurize, drain and clean the system.
- ▶ Wear safety goggles and safety gloves.

 The wetted seals must be inspected at least every 12 months and replaced if necessary.

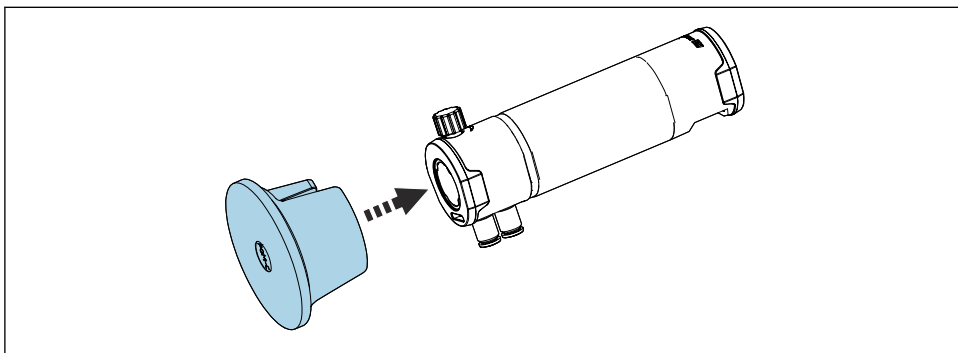
 The replacement of the O-rings is described below.

1. If necessary, unscrew the screwed-in sensor or blind plug from the assembly.



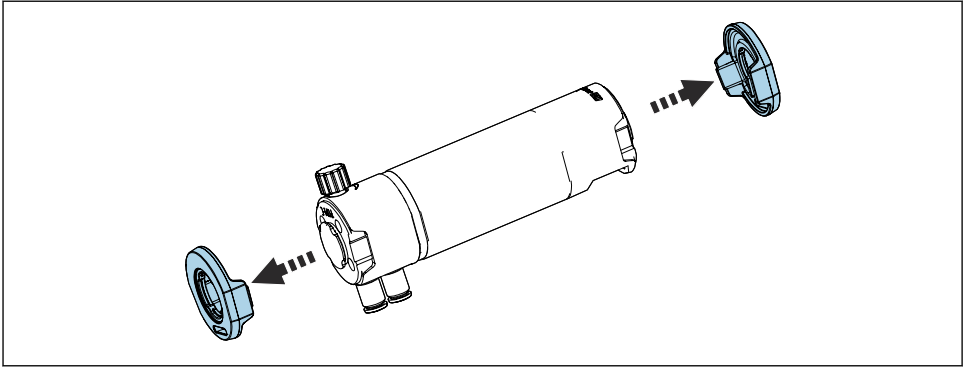
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2. Remove the assembly from the stand base.



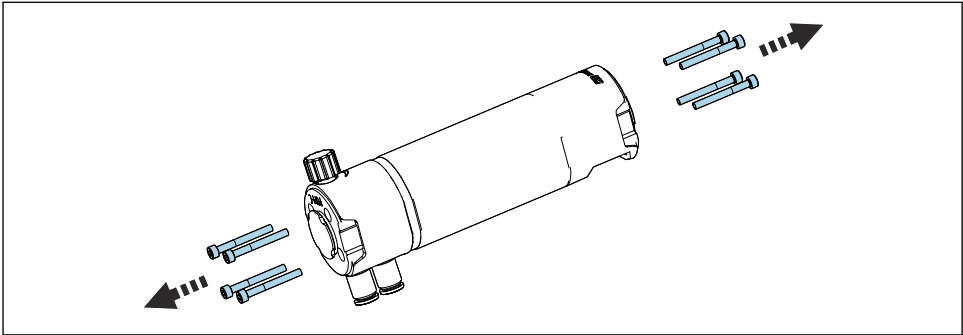
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3. Remove both edge protectors from the assembly.



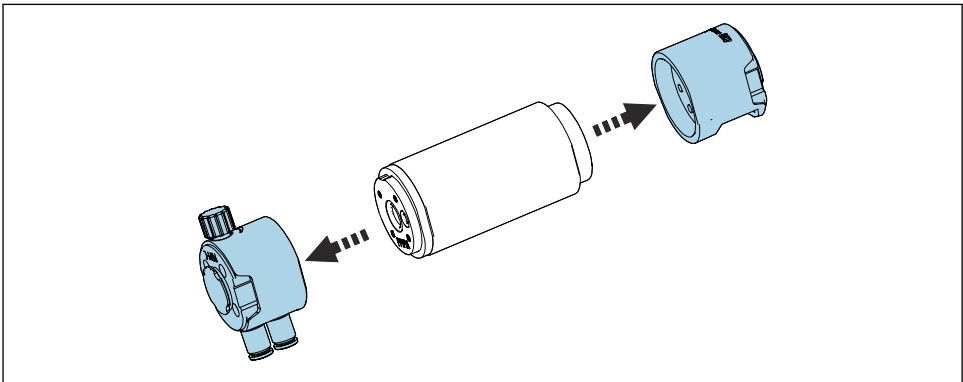
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4. Unscrew the Allen screws on both sides of the assembly with an AF 3 Allen key.



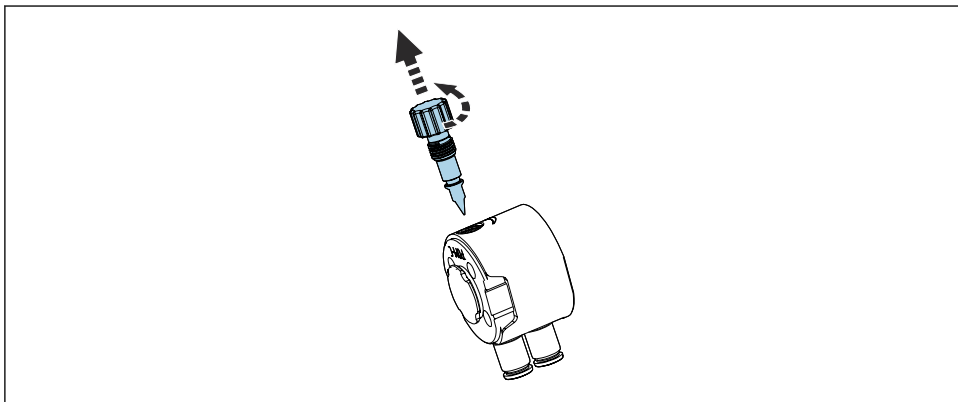
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5. Separate the housing top and housing base from the housing center section.



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6. Unscrew the needle valve from the housing base.



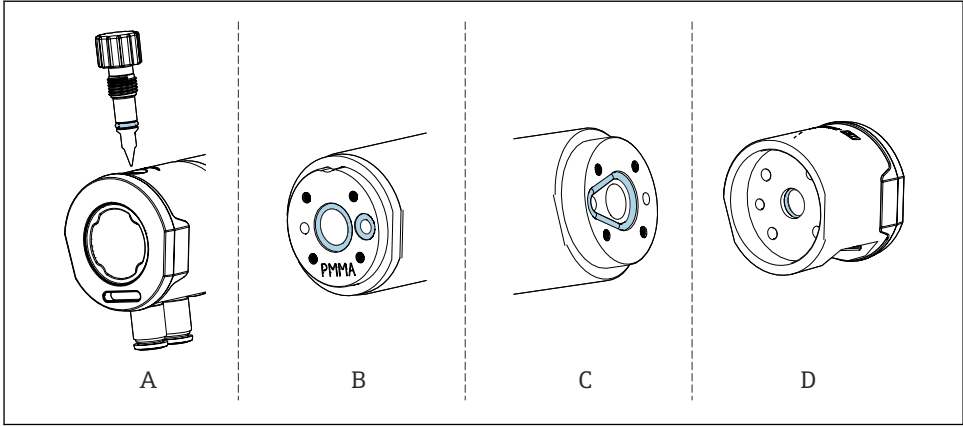
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7. Carefully remove all O-rings to be replaced, e.g. with an O-ring picker.



The O-ring picker is not a constituent part of the spare part kit! It can be ordered via kit XPC0003-V+RR (5 pieces).

8. Grease the new O-rings with the enclosed grease.
9. Carefully fit the new O-rings. When fitting, ensure that the O-rings are not damaged, e.g. by the threads.



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4 Position of the O-rings

- A O-ring ID 6.0 on the needle valve
- B O-ring ID 13.9 and ID 5.2 on the housing center section
- C O-ring ID 21.8 on the housing center section
- D O-ring ID 11.0 on the housing top

10. Reassemble the assembly in reverse order.

i The Allen screws must be screwed in with the specified tightening torque inscribed at the screw holes.

8 Disposal

► Please observe local regulations!



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