

Installation Instructions

Spare parts kit for panels, cabinets and containers with the product root CSOL

Bubble trap



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1 Overview

1.1 Spare parts kits

These installation instructions apply to the following spare parts kits:

| Order code | Description | Page |
|------------|------------------|------|
| 71688206 | CSOL bubble trap | → 5 |

1.2 Overview of the components



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 1 Application example of the bubble trap

1 Bubble trap

2 Intended use

- The parts in the kit must only be used as maintenance parts for panels, cabinets and containers with the CSOL product root. Any other use is not permitted!
- Only use original parts from Endress+Hauser.
- In the Device Viewer, check if the spare part is suitable for the device in question.

3 Personnel authorized to carry out conversion

- 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 perform the stated tasks.
- 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.
- Measuring point faults may be repaired only by authorized and specially trained personnel.
- In the case of Ex-certified devices, the technical staff must also be trained in explosion protection.



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

4 Safety instructions

⚠ WARNING

Risk of death due to electric shock!

- ▶ Perform work on the device with the utmost caution, especially when the device remains fully or partially powered on during maintenance tasks.
- ▶ All work must be carried out according to applicable safety standards.
- ▶ Follow the instructions in the Operating Instructions for the device.

⚠ CAUTION

Risk to health due to contact with the process medium!

- ▶ Wear protective gloves, protective goggles and protective clothing, particularly when working with reagents, chemicals or process medium.

⚠ WARNING

Risk to health due to contact with chemicals!

- ▶ When handling chemicals, note the warnings on the safety data sheets. Wear acid-proof protective gloves, a protective coat, and safety goggles.
- ▶ Note the nationally applicable workplace safety regulations for the work area when handling toxic or corrosive chemicals. If necessary, consult a physician and show the safety data sheet or the information on the chemical container.

NOTICE

Material damage due to solvents!

- ▶ Do not use any halogen-containing organic solvents or acetone. These solvents could destroy plastic parts of the device.
- ▶ The Operating Instructions for the device must be observed before using solvents.

- Observe the Operating Instructions for the device.
- Comply with national regulations regarding mounting, electrical installation, commissioning, maintenance and repair.
- For devices intended for use in hazardous areas, please observe the instructions in the Ex documentation (XA).

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 switching contacts, the analog signal outputs or the communication interface of the associated measuring instrument to control process variables. Coordinate service tasks with the operator!

 Contact Endress+Hauser Service if you have questions: www.addresses.endress.com

5 Scope of delivery

5.1 71688206 Kit CSOL bubble trap

The kit contains the following parts →  2,  5:

| | | | |
|-----|--------------------|-----|--------------------|
| 1 x | Bubble trap | 1 x | Orifice plate 3 mm |
| 2 x | Covers | 1 x | Orifice plate 5 mm |
| 1 x | Orifice plate 1 mm | 1 x | Kit instructions |



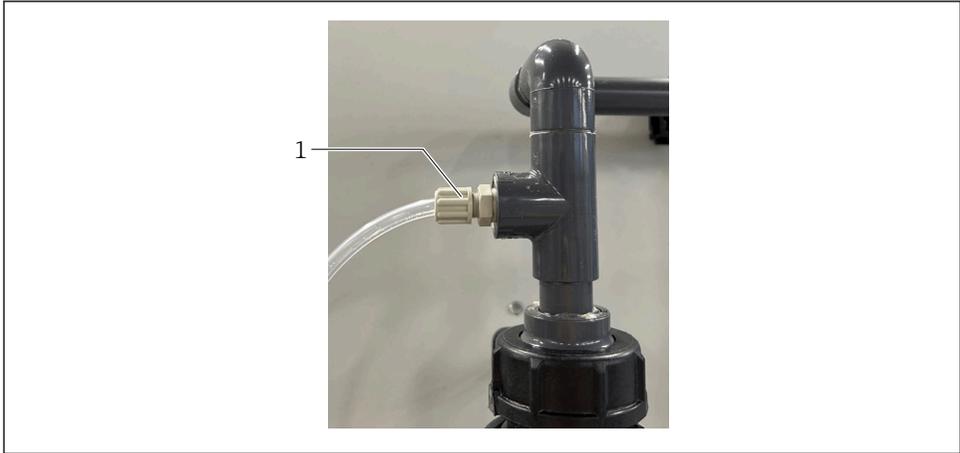
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 2 CSOL bubble trap

6 Replacing the bubble trap

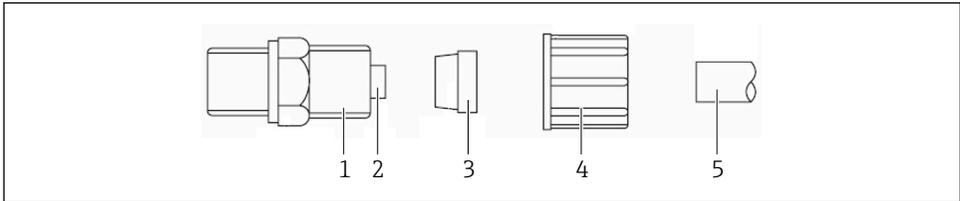
1. Set measurements to **Hold** or switch off the device.

2. Prepare a bucket and cloth to collect any medium that may escape.
3. Close all shut-off valves (ball valves, needle valves, etc.) and drain the system.
4. Loosen the hose gland (1) of the return line on the bubble trap.



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i Ensure that the clamping ring (3) is not lost in the process →  3,  6.

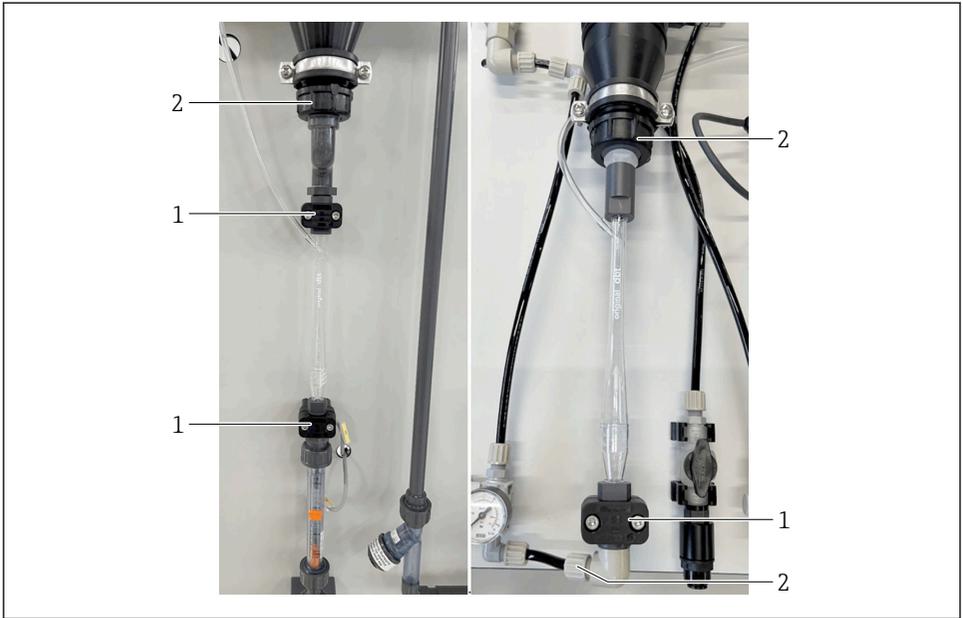


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3 *Hose gland*

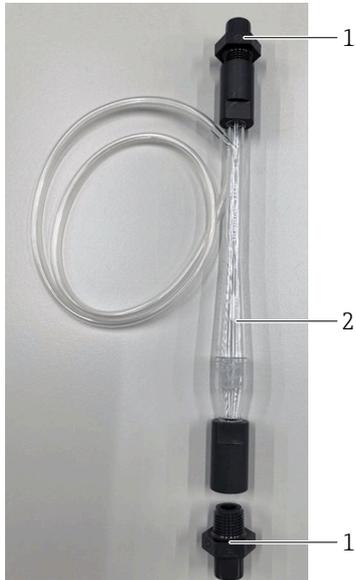
- 1 *Threaded connection*
- 2 *Nozzle*
- 3 *Clamping ring*
- 4 *Knurled nut*
- 5 *Hose*

5. Remove any pipe brackets (1) that may be present and loosen the bubble trap at the nearest couplings/hose connections (2).



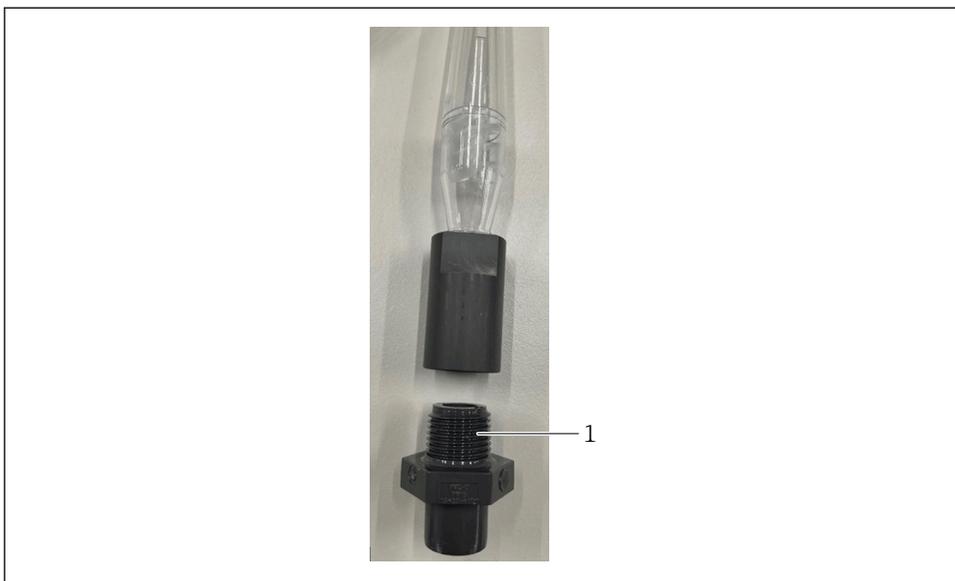
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6. Remove the released assembly.
7. Using a SW19 wrench, loosen the coupling/hose connections (1) from the bubble trap (2).



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8. Insert the new bubble trap.
9. Before tightening the fittings, apply new Teflon sealing tape to the corresponding threads (1).



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10. Carry out installation in the reverse order.
11. Carefully open the previously closed shut-off valves and check the device for leaks.

7 Additional documentation

Detailed information on the devices shown here can be found in the Operating Instructions for each device and in the other documentation, available at:

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

8 Disposal

-  If required by the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE), the product is marked with the depicted symbol in order to minimize the disposal of WEEE as unsorted municipal waste. Do not dispose of products bearing this marking as unsorted municipal waste. Instead, return them to the manufacturer for disposal under the applicable conditions.



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