

Installation Instructions

Cooling module kit, sealing compound for Liquistation CSFxx sampler

Sealing the cable entry on the CSFxx cooling module



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1 Overview of spare part set

Order number	Original spare part set
71644400	Kit for CSFxx cooling module, cable entry sealing compound

2 Intended use

The spare part set and the Installation Instructions are used to replace a defective unit with a functioning unit of the same type. Only original parts from Endress+Hauser may be used. As a matter of principle, only spare part sets that Endress+Hauser has intended for the measuring device may be used.


The manufacturer is not liable for damage caused by improper or non-intended use.

Use of the device for any purpose other than that described poses a threat to the safety of people and of the entire measuring system, and is therefore not permitted.

The manufacturer is not liable for damage caused by improper or non-intended use.


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 perform the stated tasks.
- The electrical connection may only be established by an electrical technician.
- The technical personnel must have read and understood the Operating Instructions and must follow the instructions contained therein.
- Measuring point faults may be repaired only by authorized and specially trained personnel.

 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

- ▶ Pay attention to the following safety instructions.

 Follow the Operating Instructions for the device.

4.1 Occupational safety

As the user, you are responsible for complying with the following safety conditions:

- Installation guidelines
- Local standards and regulations
- Regulations for explosion protection

WARNING

Process pressure and temperature, contamination, electrical voltage

Risk of serious or fatal injury

- ▶ If a sensor has to be removed during maintenance work, avoid hazards posed by pressure, temperature and contamination.
- ▶ Make sure the device is de-energized before it is opened.
- ▶ Power can be supplied to switching contacts from separate circuits. Also de-energize these circuits before work is performed on the terminals.

CAUTION

Activities while the sampler is in operation.

Risk of injury and infection from the medium!

- ▶ Wear protective clothing, goggles and gloves or take other suitable measures to protect yourself.
- ▶ Wipe up any medium that escapes with a disposable tissue and rinse with clear water. Then dry the cleaned areas with a cloth.

4.2 Operational safety

Before recommissioning the entire measuring point:

1. Verify that all connections are correct.
2. Ensure that electrical cables and hose connections are undamaged.
3. Do not operate damaged products, and protect them against unintentional operation.
4. Label damaged products as defective.

During operation:





- ▶ If faults cannot be rectified:
Products must be taken out of service and protected against unintentional operation.

4.3 Product security









The product is designed to meet state-of-the-art safety requirements, has been tested, and left the factory in a condition in which it is safe to operate. The relevant regulations and international standards have been observed.

5 Symbols

5.1 Warnings

Structure of information	Meaning
<p> DANGER</p> <p>Causes (/consequences) If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Corrective action 	<p>This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation will result in a fatal or serious injury.</p>
<p> WARNING</p> <p>Causes (/consequences) If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Corrective action 	<p>This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation can result in a fatal or serious injury.</p>
<p> CAUTION</p> <p>Causes (/consequences) If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Corrective action 	<p>This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in minor or more serious injuries.</p>
<p> NOTICE</p> <p>Cause/situation If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Action/note 	<p>This symbol alerts you to situations which may result in damage to property.</p>

5.2 Symbols used

	Additional information, tips
	Permitted
	Recommended
	Not permitted or not recommended
	Reference to device documentation
	Reference to page
	Reference to graphic
	Result of an individual step

6 Scope of delivery

71644400 CSFxx cooling module kit, cable entry sealing compound

Item	Description
a	Sealing compound for cooling module
b	10x cable ties
	Service kit instructions

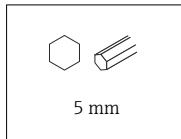
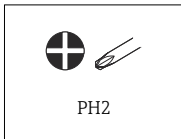
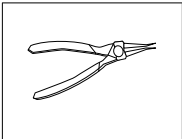


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 1

Sealing compound kit for cooling module and cable ties

7 Tools list

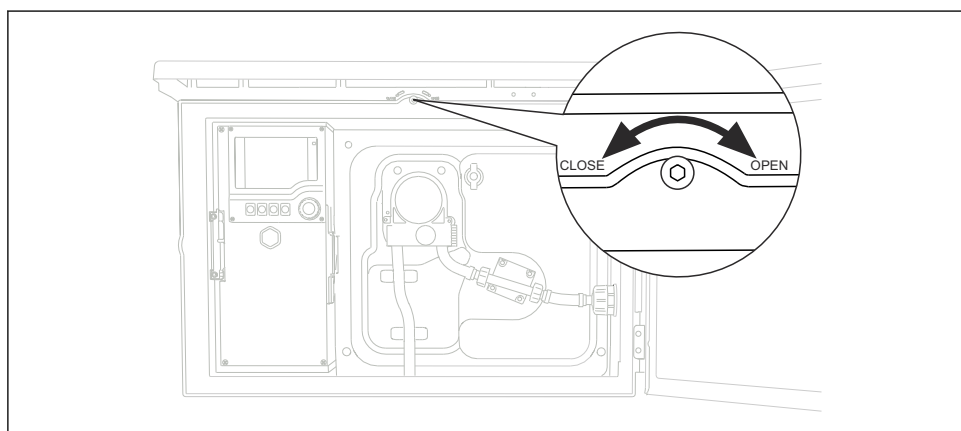


8 Applying the sealing material

- ▶ Follow the installation instructions in the operating instructions for the sampler used.

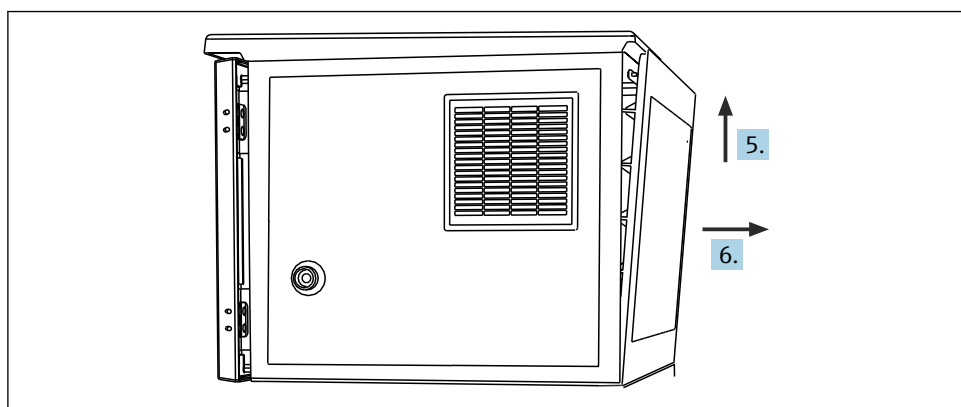
Removing rear panel of dosing compartment and power supply cover

1. Open the door of the dosing compartment.
2. Stop the current sampling program.
3. Disconnect the sampler from the mains voltage and ensure it is secured to prevent accidental reactivation.
4. Using an Allen key, loosen the screw above the dosing compartment to unfasten the rear panel of the dosing compartment.



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5. Lift up the rear panel.

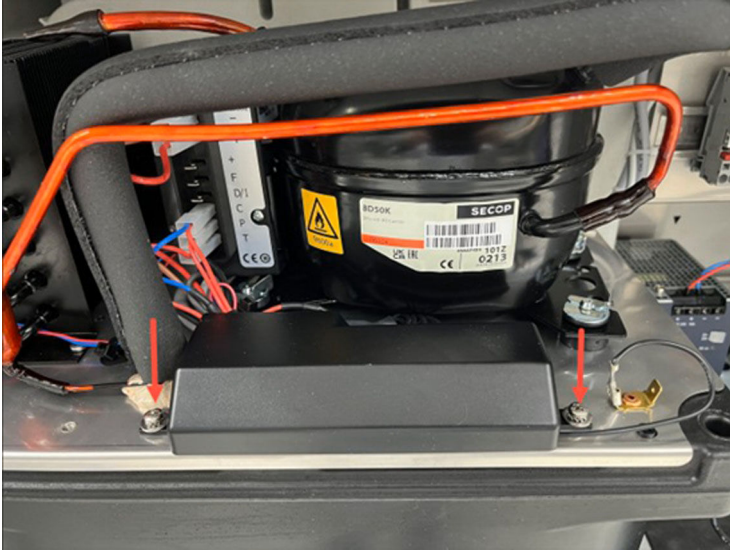


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6. Pull the rear panel backwards and store it in a safe place.

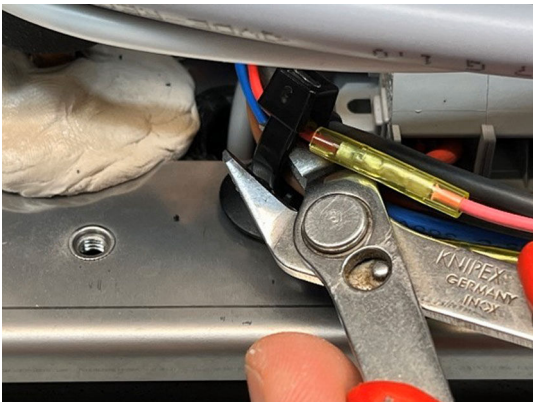
Applying the sealing material

1. Using a PH2 Phillips head screwdriver, loosen the screws on the black cover of the terminal strip.

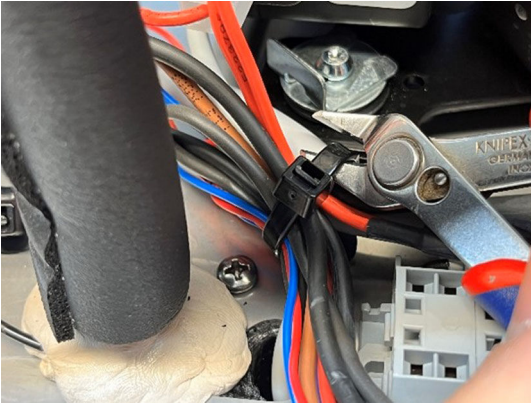


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2. Disconnect the two cable ties.

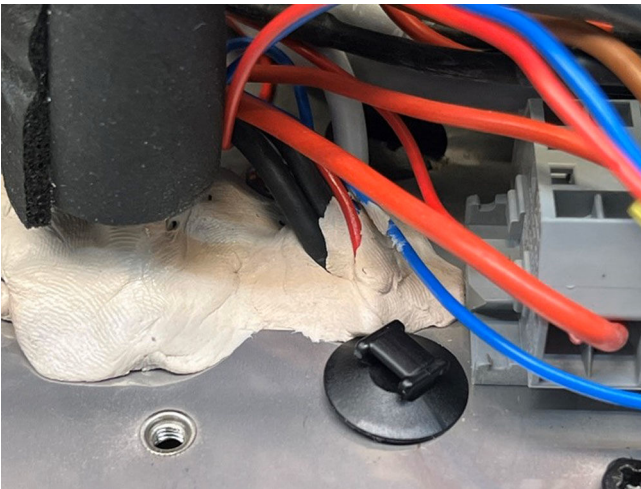


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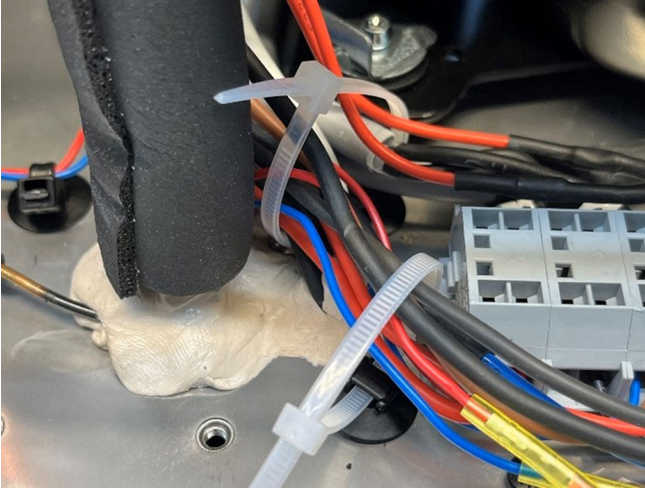
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3. Take the sealing material from the kit and press it into the opening. Form an edge on the cooling module to ensure the area is sealed.



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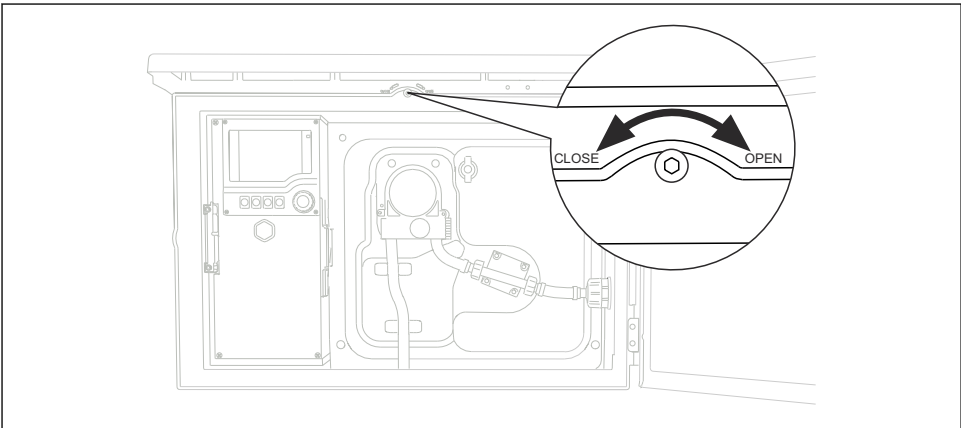
4. Place and tighten the cable tie. Trim off any excess length of the cable tie.



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Installing the rear panel of the dosing compartment

1. Slide the rear panel into the bracket from below and then guide the metal tabs into the slots provided for this purpose.
2. Using an Allen key, tighten the screw above the dosing compartment to secure the rear panel of the dosing compartment.



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3. Reconnect the sampler to the mains voltage.
4. Close the door of the dosing compartment.
5. Perform a function test with the sampler.

9 Disposal

- ▶ Observe the local regulations.



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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