

Installation Instructions

Liquistation CSFxx retrofit kit

for retrofitting a device stand on a CSFxx



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1 Overview of spare part sets

Order number	Original spare part kit
71111197	Device stand retrofit kit, V2A; 304(x)
71111198	Device stand retrofit kit, V4A; 316 (x)

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 Workplace 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
 DANGER Causes (/consequences) If necessary, Consequences of non-compliance (if applicable) ► Corrective action	This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation will result in a fatal or serious injury.
 WARNING Causes (/consequences) If necessary, Consequences of non-compliance (if applicable) ► Corrective action	This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation can result in a fatal or serious injury.
 CAUTION Causes (/consequences) If necessary, Consequences of non-compliance (if applicable) ► Corrective action	This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in minor or more serious injuries.
 NOTICE Cause/situation If necessary, Consequences of non-compliance (if applicable) ► Action/note	This symbol alerts you to situations which may result in damage to property.

5.2 Symbols used

	Additional information, tips
	Permitted
	Recommended
	Forbidden or not recommended
	Reference to device documentation
	Reference to page
	Reference to graphic
	Result of a step

6 Scope of delivery

71111197 device stand retrofit kit, V2A

Item	Description
a	Device stand retrofit kit, V2A
	Service kit instructions



A0053827



1

Device stand retrofit kit, V2A

71111198 device stand retrofit kit, V4A

Item	Description
a	Device stand retrofit kit, V4A
	Service kit instructions




A0053827



2

Device stand retrofit kit, V4A

7 Tools list

 <p>T20</p>	<p>Suitable lifting equipment</p>
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8 Installation

DANGER

Falling loads

Death or severe injury

- Suitable lifting equipment must be provided.
- All of the related safety instructions must be strictly followed!

WARNING

Live device

Risk of injury from electric shock

- Disconnect the device from the mains voltage.

CAUTION

Failure to comply with weight limits when lifting and carrying

Moderate or minor injuries

- Follow the recommendation of the Federal Ministry of Labor and Social Affairs, published in the Federal Labor Gazette 1981/11, page 96. Remove the sample bottles from the sample compartment before assembly.

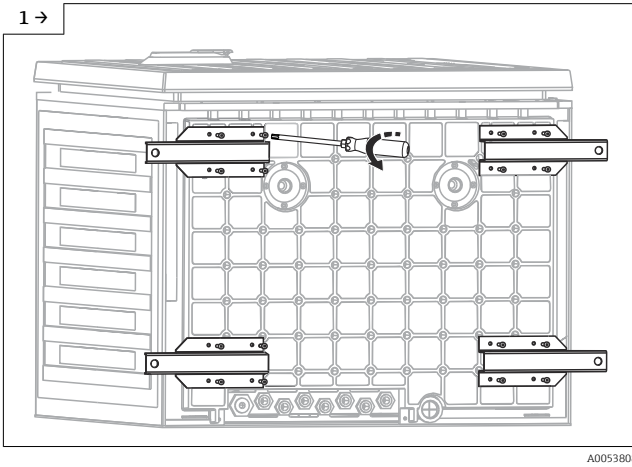
NOTICE

Placing on the ground

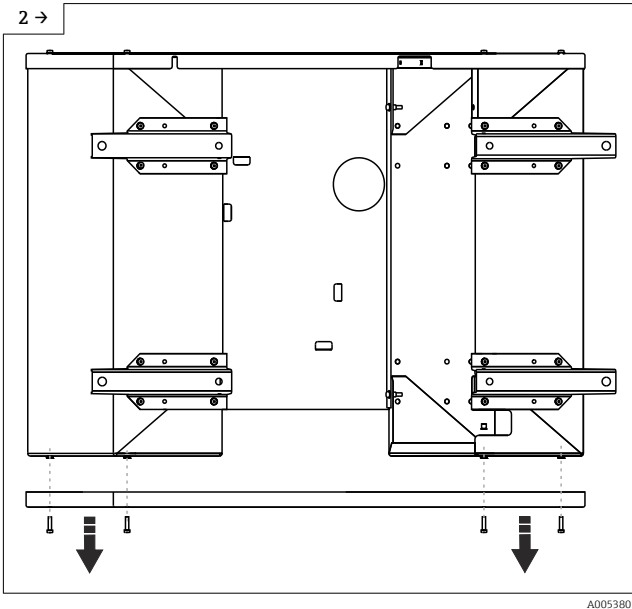
Placing the sampler on the ground can cause damage to the roof and the cooling module.

- Do not place the sampler on the ground.

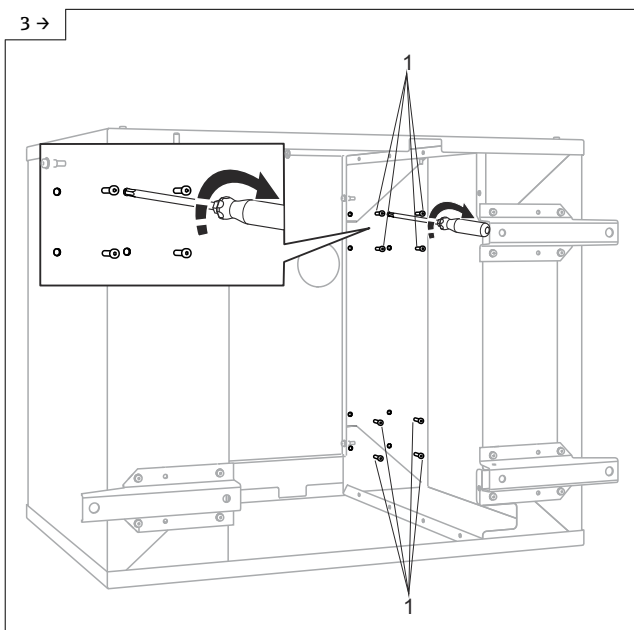
1. Loosen and remove the 16 screws on the four feet of the sampler. (The figure shows the sampler from below). The sampler must be placed at an angle for this purpose. Do not place the sampler on the ground.



2. Remove the protective film from the stand.
3. Remove the rear panel of the stand by loosening the four screws. This step is necessary so you can screw the stand to the sampler later.



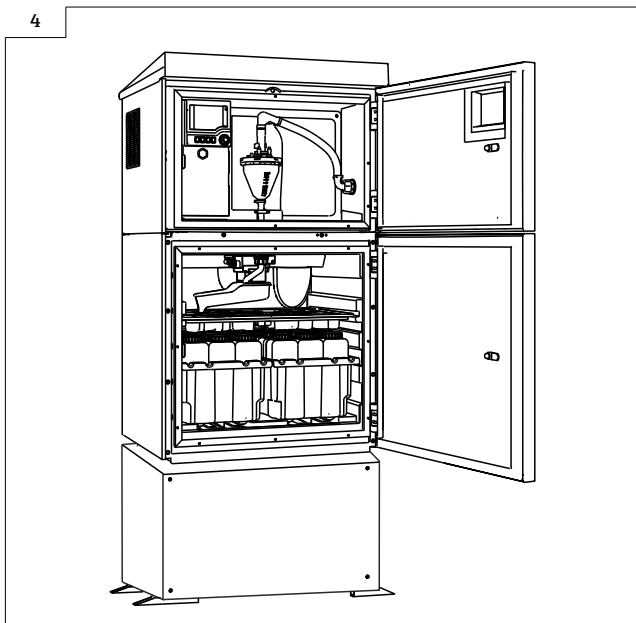
4. Using suitable lifting equipment and taking into account the related safety instructions, lift the sampler onto the stand.
5. Screw the stand to the sampler with the 16 oval head screws.



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6. Screw the stand rear panel back onto the stand.

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9 Disposal

- Please observe local regulations!



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