

Automatic water sampler Liquistation CSF48

Fully automatic sampling in water,
wastewater and industrial applications



More information and current pricing:

www.it.endress.com/CSF48

Benefits:

- Automatic water sampling in full compliance with all relevant national and international standards such as ISO 5667
- 100% adaptable to any monitoring task from time- or flow-controlled sampling to event-controlled sampling
- By connecting up to four Memosens sensors, the sampler can be upgraded to a fully-fledged measuring station (e.g. for event monitoring)
- Offers all the benefits of the Liquiline platform, such as uniform operation of all devices, easy expandability and reduced need for spare part stock thanks to standardized components
- Fully integrable in any process control system thanks to digital fieldbus communication and remote access via web server
- Quick cleaning and maintenance thanks to easy, tool-free removal of wetted parts
- Heartbeat Technology enables status-oriented maintenance of the device, saving resources and costs

Specs at a glance

- **Functions** Stationary sampler
- **Suction height** 6 m (19.69 ft) suction height 8 m (26.25 ft) suction height
- **Cabinet** Plastic PS Plastic ASA+PC Stainless Steel V2A Stainless Steel V4A
- **Process temperature** Sample temperature: 2 to 50 °C (36 to 122 °F)
- **Process pressure** Max. 0.8 bar (Max. 11.6 psi)

Field of application: Sampling made safe and easy. The Liquistation CSF48 automatic water sampler complies with worldwide water regulation, features a fail-safe cooling system and vandalism-proof housing guaranteeing outstanding safety for your samples. Easy, menu-guided sample programming and tool-free maintenance save you time in your everyday tasks. Liquistation can be upgraded to a complete measuring station for modern environmental monitoring at any time giving you the flexibility to address future demands.

Features and specifications

Watersampler

Measuring principle

Sampler

Functions

Stationary sampler

Application

Communal and industrial wastewater treatment plants
 Laboratories and water management offices
 Monitoring of liquid media in industrial processes

Dosing system

Vacuum pump system
 Peristaltic pump system
 Armature

Suction height

6 m (19.69 ft) suction height
 8 m (26.25 ft) suction height

Cabinet

Plastic PS
 Plastic ASA+PC
 Stainless Steel V2A
 Stainless Steel V4A

Watersampler

Distribution

Possible

Process temperature

Sample temperature: 2 to 50 °C
(36 to 122 °F)

Cooling

Active, dynamic cooling unit

Process pressure

Max. 0.8 bar
(Max. 11.6 psi)

Heating

Evaporator and defrosting unit mounted in compact housing

Input

Analogue: 2, galvanically isolated
Binary: 2, galvanically isolated
Optional: 1 to 4 digital sensors

Output / communication

Binary: 2, galvanically isolated
Optional 2 to 6 relay, 2 to 6 current output

Interface

CDI
Optional: Ethernet, PROFIBUS DP, Modbus RS485, Modbus TCP

Data logger

All events and data
Sampling statistics

Power supply

Depending on version:
100 to 120/200 to 240 V AC ± 10 %, 50/60 Hz
24 V DC +15/ - 9 %

Watersampler

Dimension

1.258 x 753 x 625 mm (h x w x d)

49.5 x 29.7 x 24.6 inch (h x w x d)

Weight

91 to 146 kg

Accessories

Sampling from pressurized systems

Dosing system

Housing equipment

Electrical equipment

Options

Connection to digital sensors with Memosens protocol,

Fieldbuscommunication

More information www.it.endress.com/CSF48