

Sample preparation

Liquiline System CAT810

Self-cleaning backflush filter for sampling from pressurized pipes and outlets



More information and current pricing:

www.de.endress.com/CAT810

Benefits:

- Long maintenance intervals due to automatic back-flush function
- Save costs through tool-free maintenance and easy replacement of filter elements
- Control via the user-friendly Liquiline System analyzer for perfect synchronization of the measuring point or timer-controlled operation
- Various mounting options for optimum fit to the application
- Short response time of downstream measuring devices thanks to low dead volume

Specs at a glance

- **Process temperature** 4 to 40 °C (39 to 104 °F)
- **Process pressure** 1.5 to 4.0 bar (21.76 to 58.01 psi) For optional automatic cleaning: 2.0 to 5.0 bar (29.0 to 72.5 psi); but at least 0.5 bar (7.3 psi) > process pressure

Field of application: Liquiline System CAT810 provides filtrate for continuous online monitoring of municipal and industrial wastewater and industrial processes. Its self-cleaning crossflow filter avoids filter blocking, thus increasing your process safety. Thanks to a minimized dead volume, it reflects changes in your process promptly and shortens the response time of your downstream measuring devices.

Features and specifications

Analyser

Measuring principle

Colorimetric

Analyser

Characteristic

Automatic sample preparation system for supplying process measuring devices with filtered samples from pressurized pipes

Size

Panel version:

870 x 350 x 177 mm

34.25 x 13.78 x 6.97 inch

Prepared for stand housing CA80:

828 x 327 x 327 mm

32.6 x 12.87 x 12.87 inch

Basic version:

811 x 303 x 131 mm

31.93 x 11.93 x 5.16 inch

Design

Back-wash filter system with various mounting options:

Panel version, Prepared for stand housing of CA80, Basic version - filter unit

Process temperature

4 to 40 °C (39 to 104 °F)

Ambient temperature

4 to 40 °C (39 to 104 °F)

Process pressure

1.5 to 4.0 bar (21.76 to 58.01 psi)

For optional automatic cleaning:

2.0 to 5.0 bar (29.0 to 72.5 psi); but at least 0.5 bar (7.3 psi) > process pressure

Specials

Optional back-flush with pressurized air or water

Controlling and parametrization via Liquiline System CA80

Stand-alone version with time-control available

Analyser

Application

Sampling from pressurized pipes

Preliminary and secondary clarification of municipal and industrial wastewater treatment plants

Sampling of aqueous media from industrial processes

Power supply

100 to 120/200 to 240 V AC $\pm 10\%$, 50/60 Hz

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