

# Sample preparation

## Liquiline System CAT810

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



More information and current pricing:

[www.be.endress.com/CAT810](http://www.be.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

---

More information [www.be.endress.com/CAT810](http://www.be.endress.com/CAT810)