

# Sample preparation

## Liquiline System CAT820

In-situ filtration system for sampling in wastewater treatment plants and surface waters



More information and current pricing:

[www.apsc.endress.com/CAT820](http://www.apsc.endress.com/CAT820)

### Benefits:

- Fast commissioning and plug & play thanks to Memosens technology and user-friendly Liquiline operating concept
- Cost-effective through tool-free maintenance and easy replacement of filter elements
- Advanced diagnostics with remote access for increased process safety
- Optional back-flush function for extended maintenance intervals and minimized effort
- Various mounting options for perfect fit to the application

### Specs at a glance

- **Process temperature** 4 to 40 °C (39 to 104 °F)
- **Process pressure** Unpressurized

**Field of application:** Liquiline System CAT820 provides clear samples directly from your process. Equipped with Memosens technology, it simplifies commissioning and supports predictive maintenance. Easy cleaning of the special membrane surface and tool-free maintenance reduce your operating costs. CAT820 can be combined with the modular Flexdip holder to facilitate adaption to your process. It is fully controlled by the Liquiline System analyzer, allowing perfect synchronization of your measuring point.

### Features and specifications

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**Analyser****Measuring principle**

Colorimetric

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**Characteristic**

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

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**Size**

194 x 237 x 162 mm

7.64 x 9.33 x 6.38 in

(h x w x d)

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**Design**

Back-flush filter system with various filter mounting options: float, chain and immersion pipe

Full compatibility to holder CYH112

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**Process temperature**

4 to 40 °C (39 to 104 °F)

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**Ambient temperature**

Unheated: 5 to 50 °C (41 to 122 °F)

Heated: -20 to 50 °C (-4 to 122 °F)

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**Process pressure**

Unpressurized

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**Specials**

Optional back-flush with pressurized air (version with Memosens-Technology)

Controlling and parametrization via Liquiline System CA80

Stand-alone version with time-control available

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**Application**

Sampling from aeration tank and secondary clarification of municipal and industrial wastewater treatment plants

Sampling of aqueous media from industrial processes

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## Analyser

### Power supply

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

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### Consumables

Cleaner CY820 for filter and hoses

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