



EZ9110 Heavy-duty Filtration System, pore size 50 µm

Product #: EZ9110.XX310031

AED Price: Contact Hach

Universal self-cleaning filtration for difficult samples - compatible with all EZ Series online analysers

About the EZ9100 Series

The successful implementation of online analysers in process control strategies could not have been achieved without the development of a new generation of automatic sampling and sample preconditioning systems. The EZ9100 Series are the result of many years of field experience in combining analysers with filtration units.

Simplified operation by self-cleaning action

All preconditioning systems are designed for fully automatic operation and require virtually no human intervention. A blowback action by instrument air is incorporated in all systems. This fundamental design principle does not merely allow trouble-free sampling, moreover it contributes to high uptimes.

The EZ9110 is a filtration system developed to make solid-free samples from heavily charged liquids available for online analysis. Devoid of overly complex engineering, they can handle the difficult properties of wastewaters charged with high levels of insoluble constituents:

- Self-cleaning sample filtration with various pore sizes
- Large-bore pneumatic ball valves for sample and drain
- Automatic cleaning by solenoid controlled instrument air
- Static Pressure Regulator assures a constant, readily available sample level at atmospheric pressure
- PLC or analyser controlled cleaning frequency

Specifications

Cleaning:	Automatic blowback by solenoid controlled instrument air
Dimensions (H x W x D):	1150 mm x 750 mm x 200 mm
Drain:	Overflow sample D=50 mm; overflow Static Pressure Regulator 3/8" OD
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Material:	Filter: SS 316L
	Piping: PVC

Manual ball valves:PVC

Tubing: Norprene, PFA, PE

Panel: weather resistant Trespa

Number of sample streams: 1 stream

Optional:

1 to 8 streams

Pore size: 50 µm

Optional:

100 µm, 200 µm

Power: 24 VDC, powered by analyser

Protection class: IP55

Required fast loop: 2 m/s

Sample temperature: Max. 65 °C

Size: 50 µm

Special Features: Heavy Duty (Std)

Special remarks: Backflush valve controlled by Analyzer

Weight: 18 kg