



## **EZ9020 Filtration System, fast loop, pore size 50 µm**

**Product #:** EZ9020.XX110001  
**AED Price:** Contact Hach

### **Universal self-cleaning filtration systems - compatible with all EZ Series online analysers**

#### **About the EZ9000 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 EZ9000 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. Basically all systems are incorporated either with a blowback action by instrument air, or a specific cleaning cycle. This fundamental design principle does not merely allow trouble-free sampling, moreover it contributes to high uptimes.

The EZ9020 systems are front runners of the filtration series and the standard designed for reliably delivering filtered samples to an online analyser. The self-cleaning feature of the unit includes a blowback action with sample to prevent the filter element, the sample tubing and the analyser from blocking and blinding. Prime features include:

- Self-cleaning sample filtration with various pore sizes
- Automatic cleaning action: blowback 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):	750 mm x 550 mm x 200 mm
Drain:	Sample return line 1" BSF; 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 <sup>2</sup>
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

Static Pressure Regulator: PMMA

Panel: weather resistant Trespa

Number of sample streams:

1 stream

Pore size:

50  $\mu\text{m}$

Optional:

100  $\mu\text{m}$ , 200  $\mu\text{m}$

Power:

24 VDC, powered by analyser or external supply

Protection class:

IP55

Required fast loop:

2 m/s

Sample temperature:

Max. 65 °C

Size:

50  $\mu\text{m}$

Special Features:

Fast Loop

Special remarks:

Backflush valve controlled by Timer

Weight:

12 kg