



## **EZ9120 Heavy-duty Filtration System for sludge applications, pore size 1000 µm, 1 stream**

**Product #:** EZ9120.XX350031

**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 EZ9120 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

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### **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 <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

Panel: weather resistant Trespa

Number of sample streams:

1 stream

Optional:

1 to 8 streams

Pore size:

1000 µm

Optional:

2000 µm

Power:

24 VDC, powered by analyser

Protection class:

IP55

Required fast loop:

2 m/s

Sample temperature:

Max. 65 °C

Size:

1000 µm

Special Features:

Heavy Duty (Sludge)

Special remarks:

Backflush valve controlled by Analyzer

Weight:

18 kg