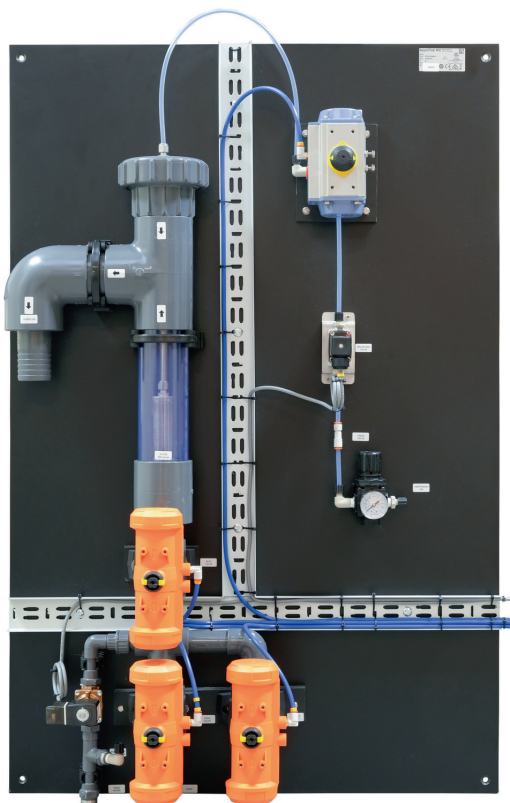


EZ9100 Series Self-cleaning heavy-duty Filtration Systems

Applications

- Wastewater



*Product image may differ from actual product.
Please refer to technical drawings.*

Universal self-cleaning filtration system 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. 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 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:

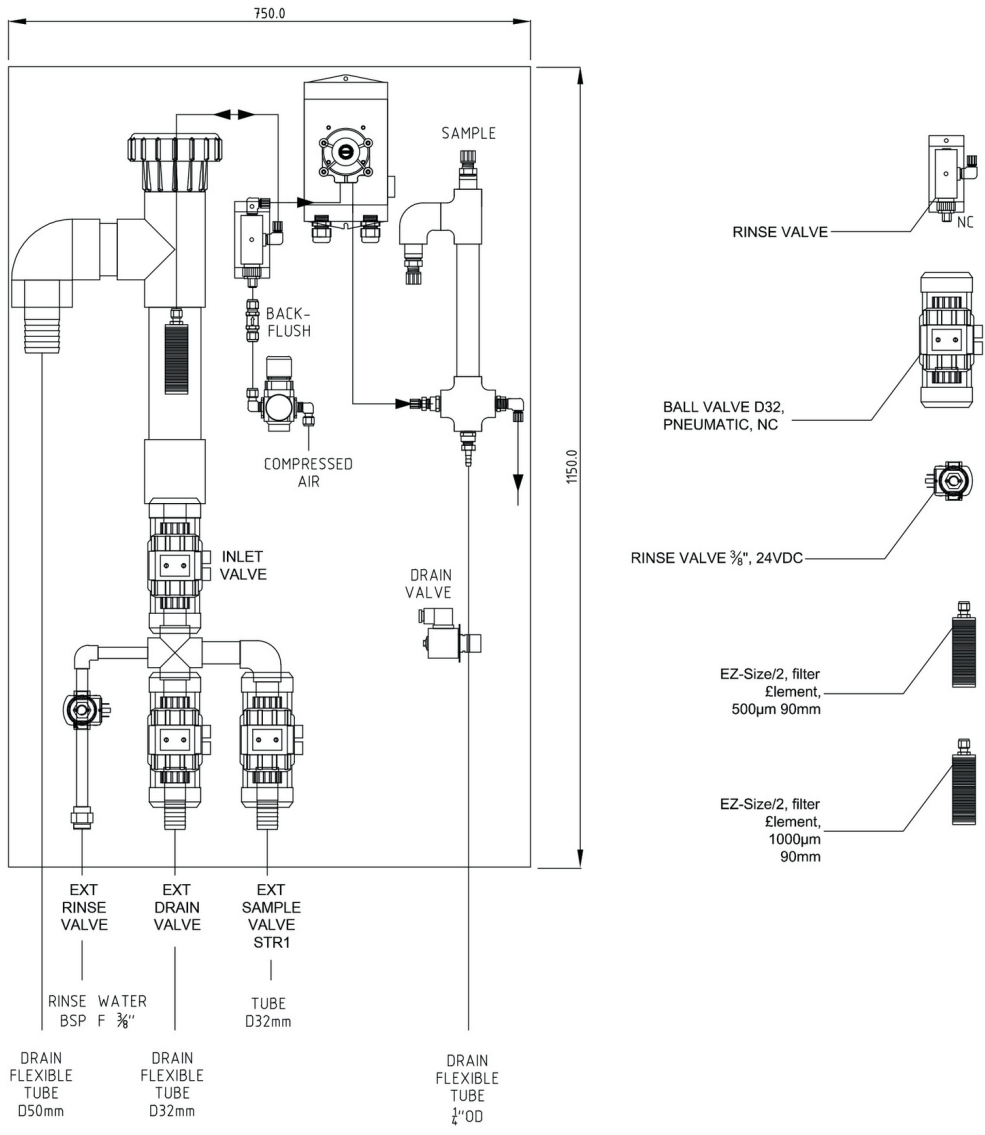
- Self-cleaning sample filtration with various pore sizes
- Large-bore pneumatic ball valves for sample and drain
- Automatic cleaning by solenoid controlled instrument air
- Static Pressure Regulator assures a constant, readily available sample level at atmospheric pressure
- PLC or analyser controlled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

Technical Data*

Cleaning	Automatic blowback by solenoid controlled instrument air
Pore size	Standard version: 50 µm, 100 µm, 200 µm, 500 µm Sludge applications: 1000 µm, 2000 µm
Required fast loop	2 m/s
Sample temperature	Max. 65 °C
Instrument air	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Drain	Overflow sample D=50 mm; overflow Static Pressure Regulator 3/8" OD
Rinse water pressure	3/8" BSPF, max. 4 bar
Power	24 VDC, powered by analyser or external supply
Earth connection	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm ²
Protection class	IP55
Material	Filter: SS 316L Piping: PVC Manual ball valves: PVC Tubing: Norprene, PFA, PE Panel: weather resistant Trespa
Dimensions (H x W x D)	1150 mm x 750 mm x 200 mm
Weight	18 kg

**Subject to change without notice.*

Dimensions - Drawings



Be confident with Hach Service

Start-Up/Commissioning: Our service technicians visit your site and setup instrumentation, provide basic end-user training on operations and maintenance, and validate settings and performance to get you started.

Service Agreement: Hach provides on-site and in-factory repair, preventive maintenance, and calibration programs for your instruments to ensure reliability and instrument up-time. We have services to fit your specific needs.

Order Information - Part Number Configurator

Heavy-duty filtration system, standard version	EZ9110.99						
Heavy-duty filtration system, for sludge applications; to be combined with EZ7900 toxicity analyser	EZ9120.99	X	X	X	X	X	X
Cleaning							
Backflush valve controlled by analyser - AIR (recommended)		3					
Backflush valve controlled by analyser - WATER		4					
Pore size							
50 µm (EZ9110 only)			1				
100 µm (EZ9110 only)			2				
200 µm (EZ9110 only)			3				
500 µm (EZ9110 only)			4				
1,000 µm (EZ9120 only)			5				
2,000 µm (EZ9120 only)			6				
Power supply							
Powered through analyser					0		
Stand-alone unit - 24 VDC needed					1		
Length of tubing-heating							
Standard						0	
Customised						Z	
Other options							
Sample pump controlled by analyser, incl. overflow vessel with drain valve							3
Sample pump controlled by analyser, incl. overflow vessel and connections to 2 analysers, with drain valve (EZ9110 only)							7
Number of sample streams							
1 stream							1
2 streams (EZ9110 only)							2
3 streams (EZ9110 only)							3
4 streams (EZ9110 only)							4
5 streams (EZ9110 only)							5
6 streams (EZ9110 only)							6
7 streams (EZ9110 only)							7
8 streams (EZ9110 only)							8
Customised							Z