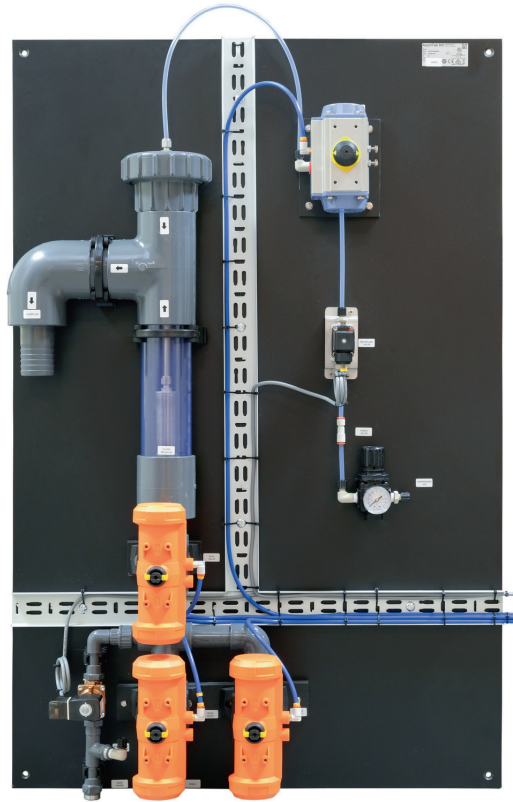


# EZ9100 Series Self-cleaning heavy-duty Filtration Systems

## Applications

- Wastewater



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

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

### About the EZ9100 Series

The successful implementation of online analyzers 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 analyzers 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:

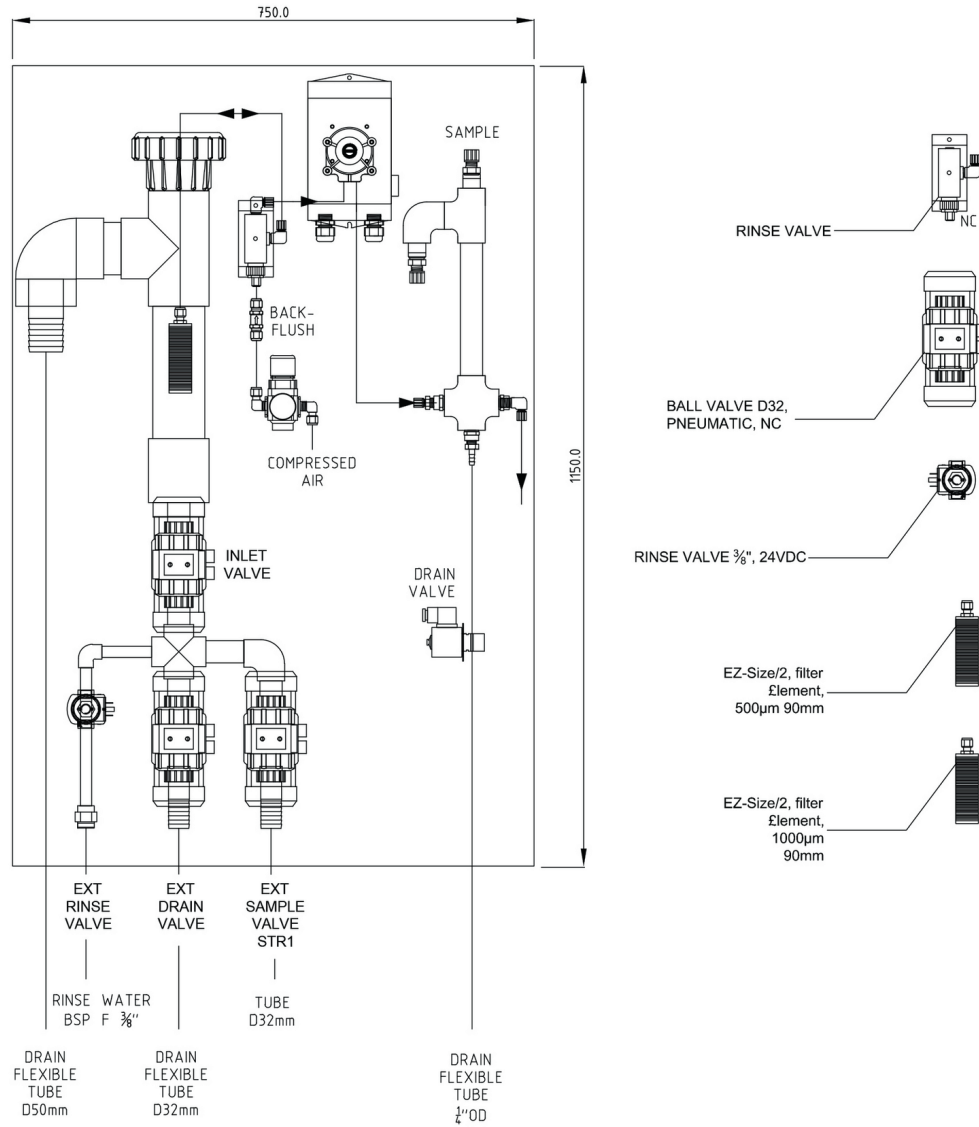
- Self-cleaning sample filtration with various pore sizes
- Large-bore pneumatic ball valves for sample and drain
- Automatic cleaning by solenoid controlled instrument air
- Static Pressure Regulator assures a constant, readily available sample level at atmospheric pressure
- PLC or analyzer controlled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

## Technical Data\*

<b>Cleaning</b>	Automatic blowback by solenoid controlled instrument air
<b>Pore Size</b>	Standard version: 50 µm, 100 µm, 200 µm, 500 µm Sludge applications: 1000 µm, 2000 µm
<b>Required Fast Loop</b>	2 m/s
<b>Sample Temperature</b>	Max. 65 °C (149 °F)
<b>Instrument Air</b>	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
<b>Drain</b>	Overflow sample D=50 mm; overflow Static Pressure Regulator 3/8" OD
<b>Rinse water pressure</b>	3/8" BSPF, max. 4 bar
<b>Power</b>	24 VDC, powered by analyzer
<b>Earth Connection</b>	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
<b>Protection Class</b>	IP55
<b>Material</b>	Filter: SS 316L Piping: PVC Manual ball valves: PVC Tubing: Norprene, PFA, PE Panel: weather resistant Trespa
<b>Dimensions (H x W x D)</b>	1150 mm x 750 mm x 200 mm
<b>Weight</b>	18 kg (39.7 lbs.)

\*Subject to change without notice.

## Dimensions - Drawings



## Hach Service

With Hach Service, you have a global partner who understands your needs and cares about delivering timely, high-quality service you can trust. Our Service Team brings unique expertise to help you maximize instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.

## 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 analyzer	EZ9120.99	X	X	X	X	X	X
<b>Cleaning</b>							
Backflush valve controlled by analyser - AIR		3					
<b>Pore size</b>							
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				
<b>Power supply</b>							
Powered through analyzer				0			
<b>Length of tubing-heating</b>							
Standard					0		
<b>Other options</b>							
Sample pump controlled by analyzer, incl. overflow vessel with drain valve						3	
Sample pump controlled by analyzer, incl. overflow vessel and connections to 2 analyzers, with drain valve (EZ9110 only)						7	
<b>Number of sample streams</b>							
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

DOC053.53.35211.Oct20

### Hach World Headquarters: Loveland, Colorado USA

United States: 800-227-4224 tel 970-669-2932 fax orders@hach.com

Outside United States: 970-669-3050 tel 970-461-3939 fax int@hach.com

[hach.com](http://hach.com)

Printed in U.S.A.

©Hach Company, 2020. All rights reserved.

In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.



Be Right™