

# EZ9130 Self-cleaning heavy-duty Filtration System

## Applications

- Wastewater
- Anaerobic digestion



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

## Universal self-cleaning filtration system for digestate samples - compatible with the EZ7200 Series

### 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. Basically all systems are incorporated either with a blow-back 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 up-times.

The EZ9130 is a filtration system developed specifically for sampling wet type anaerobic digesters to make solid-free samples available for online analysis. Devoid of overly complex engineering, the filtration can handle the difficult properties of sludge and wastewaters charged with high levels of insoluble constituents:

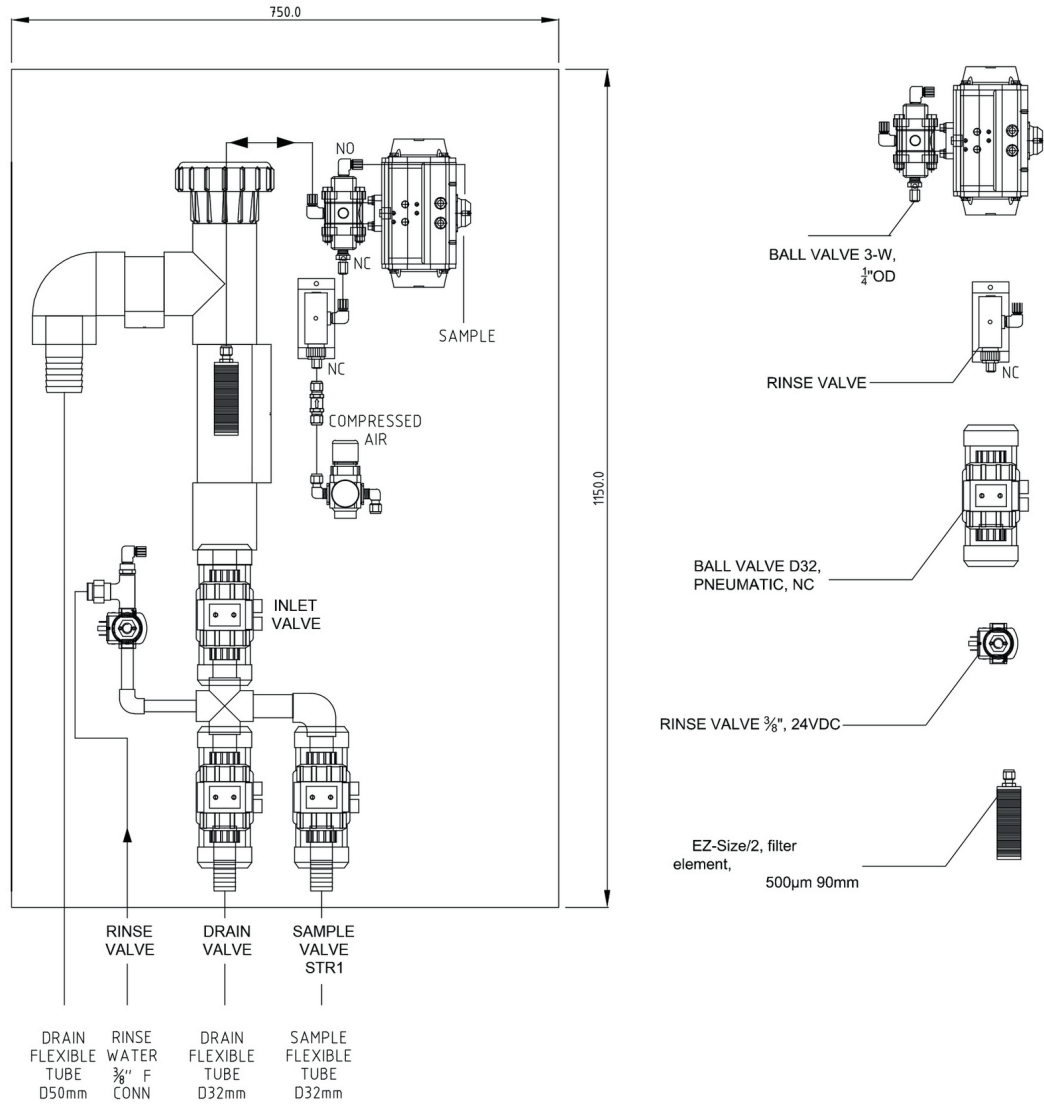
- Self-cleaning sample filtration with various pore sizes
- Large-bore pneumatic ball valves for sample and drain
- Automatic cleaning by solenoid controlled instrument air
- PLC or analyzer controlled cleaning frequency

## Technical Data\*

<b>Cleaning</b>	Automatic blowback by solenoid controlled instrument air
<b>Pore Size</b>	200 µm 500 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 or external supply
<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



## 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, for anaerobic applications; to be combined with EZ7200 anaerobic control (VFA) analyzer	EZ9130.99	X	X	X	X	X	X
<b>Cleaning</b>							
Backflush valve controlled by analyzer - AIR (recommended)		3					
Backflush valve controlled by analyzer - WATER		4					
<b>Pore size</b>							
200 µm			3				
500 µm			4				
<b>Power supply</b>							
Powered through analyzer					0		
Stand-alone unit - 24 VDC needed					1		
<b>Length of tubing-heating</b>							
Standard						0	
Customized						Z	
<b>Other options</b>							
No sample pump, no overflow vessel, no drain valve							9
<b>Number of sample streams</b>							
1 stream							1
2 streams							2
3 streams							3
4 streams							4
5 streams							5
6 streams							6
7 streams							7
8 streams							8
Customized							Z

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