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

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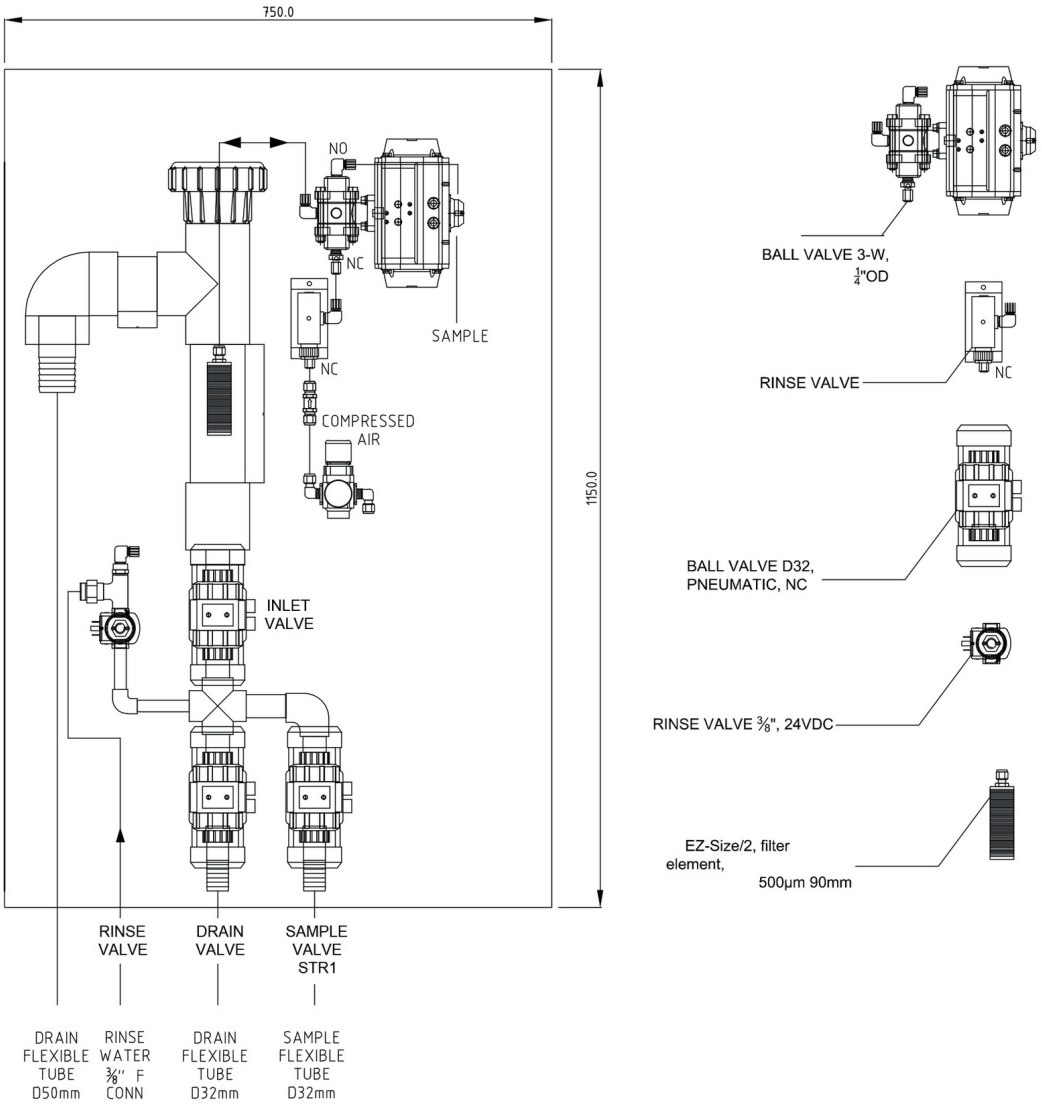
Technical Data*

Cleaning	Automatic blowback by solenoid controlled instrument air
Pore Size	200 µm 500 µm
Required Fast Loop	2 m/s
Sample Temperature	Max. 65 °C (149 °F)
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 analyzer
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 (39.7 lbs.)

**Subject to change without notice.*

Dimensions - Drawings



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

DOC053.53.35212.Oct20

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