

# EZ9200 Series Self-cleaning Microfiltration Systems

## Applications

- Wastewater
- Surface water



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

## Self-cleaning microfiltration system - compatible with EZ1000 and EZ2000 colorimetric analysers

### About the EZ9000 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 EZ9000 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 EZ9200 and EZ9250 are filtration systems designed especially for colorimetry applications where absorbance interference may present an issue. The unit uses a hydrophilic PES membrane that wets out quickly and with a large effective membrane surface for superior flow rates. The membrane preferably sits in a buffer container mounted on the filtration panel. Prime features include:

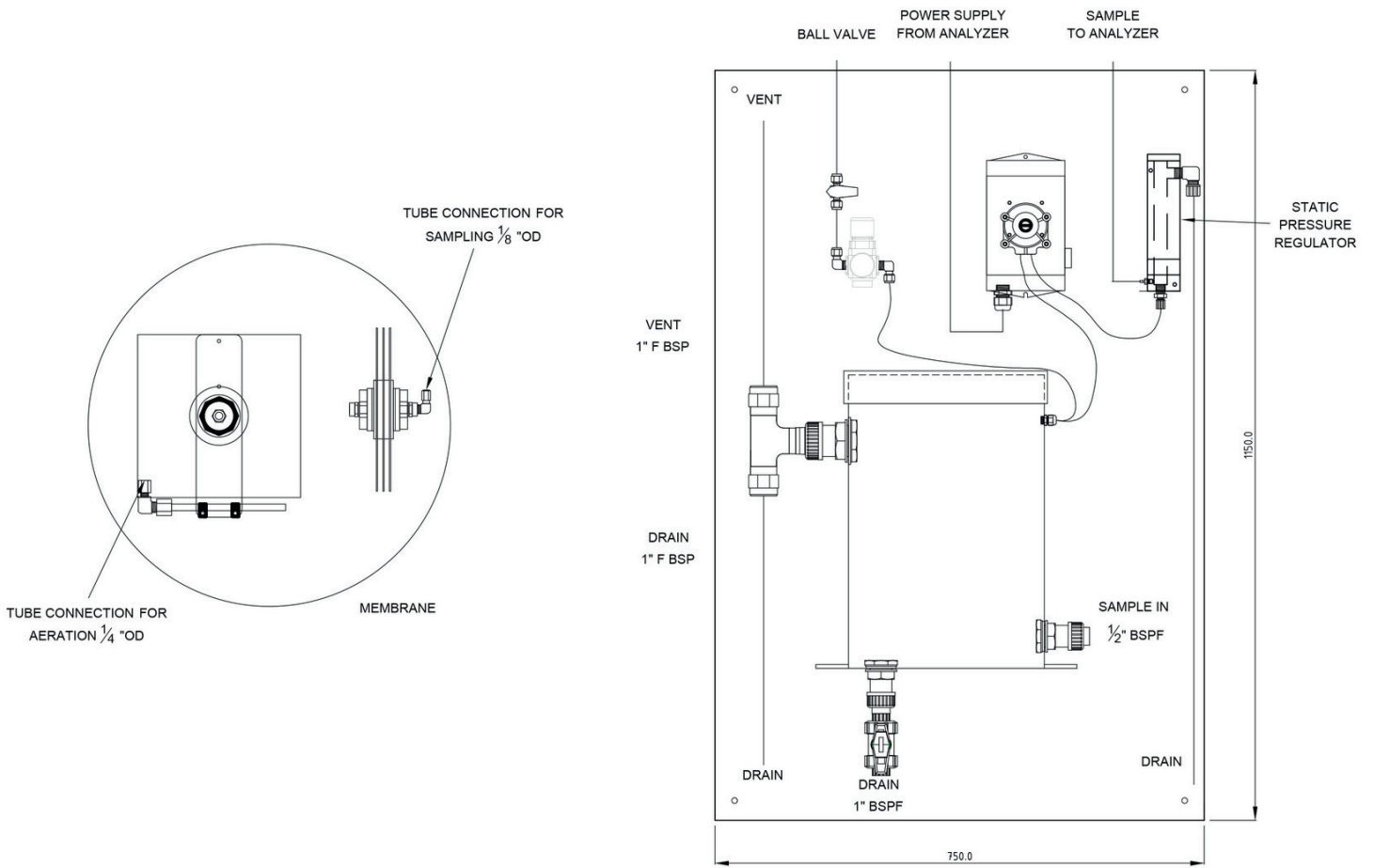
- Membrane filter with pore size  $<1 \mu\text{m}$  designed for immersion in a buffer container, also directly (in situ)
- Automatic cleaning by instrument air
- Static Pressure Regulator assures a constant, readily available sample level
- PLC or analyser controlled cleaning frequency

**Technical Data\***

<b>Cleaning</b>	Automatic cleaning by means of continuous instrument air
<b>Pore size</b>	0.04 µm
<b>Sample temperature</b>	Max. 65 °C
<b>Instrument air</b>	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
<b>Drain</b>	Sample return line 1" BSF; overflow Static Pressure Regulator 3/8" OD
<b>Power</b>	24 VDC, powered by analyser 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 PES (polyethersulphone) Piping: PVC Tubing: Norprene, PFA, PE Static Pressure Regulator: PMMA 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

*\*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 maximise instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.

## Order Information - Part Number Configurator

Microfiltration system, standard version, for immersion	EZ9200.99	0	7	X	X	X	X
Microfiltration system, with buffer tank, for bypass	EZ9250.99						
<b>Cleaning</b>							
N/A		0					
<b>Pore size</b>							
0.04 µm			7				
<b>Power supply</b>							
Powered through analyser				0			
Stand-alone unit - 24 VDC needed				1			
<b>Length of tubing-heating</b>							
Standard (EZ9250 only)						0	
Up to 3 m (EZ9200 only)						A	
Up to 6 m (EZ9200 only)						C	
Up to 10 m (EZ9200 only)						E	
Up to 15 m (EZ9200 only)						G	
Up to 20 m (EZ9200 only)						I	
<b>Other options</b>							
Manual (continuous) sample pump, incl. overflow vessel without drain valve							0
Sample pump controlled by analyser, incl. overflow vessel without drain valve <sup>1)</sup>							1
Manual (continuous) sample pump, incl. overflow vessel with drain valve							2
Sample pump controlled by analyser, incl. overflow vessel with drain valve <sup>1)</sup>							3
<b>Number of sample streams</b>							
1 stream							1

<sup>1)</sup> Not in combination with stand-alone unit power supply