

VZ3000

Ultra Filtration System

Key Features and Technical Excellence

- **Virus Removal Performance:** Overcomes the limitations of conventional UF filters in virus removal. Its ultra-fine 0.02 μ m pores allow **minerals dissolved in water to pass through** while completely blocking **bacteria and viruses**.
- **Mineral Preservation:** Unlike reverse osmosis systems, it retains beneficial natural minerals like calcium and magnesium in the water, providing healthy drinking water.
- **Cost-Effectiveness and Eco-Friendliness:** Low electricity consumption and **minimal wastewater** during purification result in low maintenance costs and environmental friendliness.
- **Easy Maintenance:** Extended filter replacement cycles and simple self-replacement enhance user convenience.

Specification

Model	VZ3000
Type of system	Ultra Filtration
Membrane material	PESm
Pore size	0.02 μ m
Flow Rate	normal 3,000 L/hour
Performance	Bacteria 6 Log, Virus 4 Log
Size(WxDxH mm)	800 x 500 x 1900
Power source	AC220V 50/60Hz 1Ph

Applications

- **Drinking water supply:** municipal, hospital, hotel, resort island, emergency supply, tsunami relief.
- **Hydroponics:** reusing culture solution.
- **Aquaculture:** Removes marine microorganisms and viruses to enhance the quality of aquaculture.
- **Industrial water treatment:** pre-treatment for pure water system, waste water reusing, food and beverage, Biotechnology, Pharmaceuticals.



Components

• UF Membrane

PESm hydrophilic membrane material
0.02 μ m pore size
Bacteria 6 log, Virus 4 log removal
NSF / ANSI 419 virus remove
IWW Bacterial reduction



Touch Panel / PLC control

TFT full color LCD touch screen
High speed PLC control
Maximized reliability
PID control applied(option)



Backwash Pump / VFD

Multistage centrifugal pump
High energy efficiency
Non-corrosive stainless steel



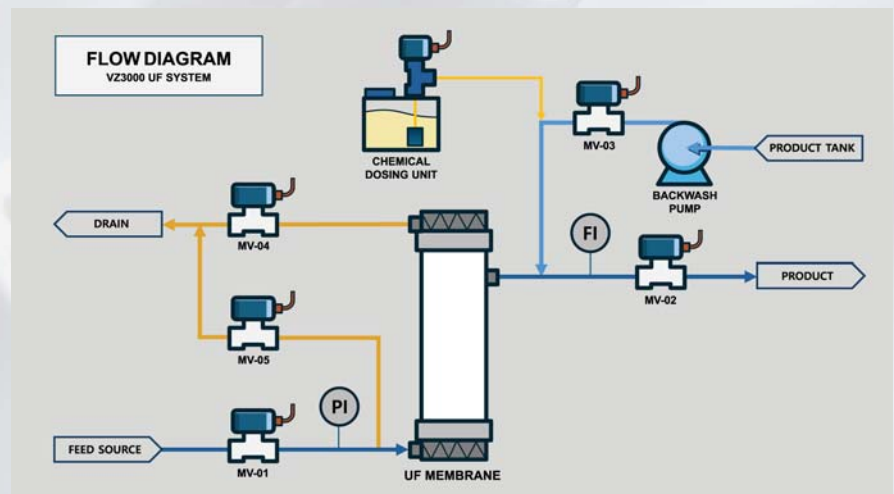
Chemical dosing unit / CEB

Multistage centrifugal pump
High energy efficiency
Non-corrosive stainless steel



Option items

Feed tank / pump
Pre-treatment MMF / Softner / AC filter
UV Sterilizer
Product tank / pump
Electric generator 3kVA
Solar power



Applications



AI generated

