



OPERATION MANUAL

Outdoor Microfiltration Membrane



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Outdoor Microfiltration Membrane

The core of the SEERS Ultra Filtration System is a hollow-fibre ultra-membrane bundle, which consists of 1500 pieces of membrane bundled together. Numerous pores of 0.01-micron pore size are found all over each piece of membrane and the membrane bundle is housed in a cartridge. When tap water enters from one end of the filter cartridge, contaminants bigger than 0.01 micron are retained at the cartridge. Soluble trace elements and minerals that are beneficial exit from the cartridge together with the filtered water. In conventional filters, consumers are advised to clean the cartridge regularly to clean the bio-film scaled formed at the membrane as well as remove fine particles and bacteria trapped within the hollow-fibre formed at the inner membrane in order to lengthen the life span of the cartridge and increase the filtering efficiency.



Product Features & Benefits

Membrane pore size	: 0.01 micron (able to remove bacteria and most viruses)
Filtration rate	: 1500 to 1800 litres per hour
Materials	: Outer casing is made out of durable and hygienic stainless steel
Filtration medium	: Double-layer hollow-fibre membrane
Bacteria/viruses removal rate	: 99.9%
Anti-contamination technology prevents the formation of bio-film	
Retains soluble beneficial minerals	
Direct flushing or automatic flushing uses less water than conventional backwash filtration systems; no secondary contamination	
Light and small, can be installed vertically or horizontally	

