

3E-NF01 nanofiltration membrane series (MWCO 5.0-8.0 KDa, also known as dense ultrafiltration) have high water flux and high impurity removal rate. It is especially suitable for the pretreatment of municipal and industrial water (including wastewater), which can remove viruses, bacteria and green algae in the water, reduce the hardness of the water, and reduce the biological pollution and scaling of the subsequent RO membrane. 3E-NF01 series has the advantages of low energy consumption and maintenance cost, which can greatly reduce the maintenance cost.

3E-NF01 nanofiltration membrane series have been applied in the following fields:

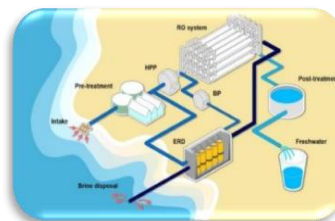
- 1) In municipal and industrial water reuse projects, used for pretreatment of RO membrane instead of ultrafiltration membrane; Reduce RO membrane pollution and system maintenance cost
- 2) In the direct drinking water project, replaces UF/RO membrane method and greatly reduces the cost of direct drinking water.

Applications:

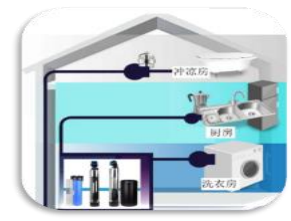
- High quality bottled water made from mountain spring water
- Domestic drinking water terminal purification
- Whole house water purification
- Pretreatment of water reuse
- Seawater desalination pre-filtration



Pretreatment for Seawater desalination and water reuse



Whole house water purification



Specification parameters

Mat'l	Series	Eff. Mem. area, m ²	Water Flux T/day	Salt rejection 2000ppm MgSO ₄	Max Free-chloride resistance; ppm	Max operating pressure; / Max pH range
PVDF	3E-160NF01 (Ø 160x1200)	22.4±0.5	34.9±0.5	1.0±0.5	1000	2.0 bar / (2-12)
	3E-200NF01 (Ø 200x2000)	60.0±0.5	93.6±0.5	1.0±0.5	1000	2.0 bar / (2-12)
Test conditions		1) feed water temperature: 25°C; pH: 7.5-8; Test pressure: 1.0 bar; 2) External pressure membrane module, operating temperature range 5-40°C.				

Note: For technical enquiries, please consult with our technicians and ask for the latest version of the technical manual.

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