



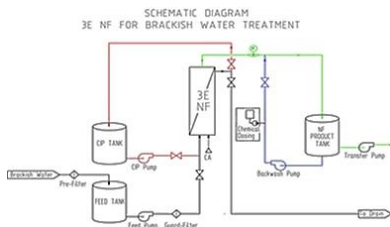
3E-NF40 nanofiltration membrane with high water flux and medium separation rate can be used for: 1) dye wastewater treatment, 2) removal of antibacterial compounds from feed water; 3) reduction of water hardness (heavy metals) 4) removal of bacteria and viruses from drinking water. It is especially suitable for low-cost dye wastewater treatment and reuse.

## Application:

- Material Separation
- Food wastewater recycles
- Water reuse of dye wastewater
- Treatment and reuse of other types of high-salinity wastewater
- Whole house water purification

3E-NF40 nanofiltration membrane, has been successfully used in the following fields.

1. In seawater fish farming wastewater recycling project, replacing UF/RO method or MBBR process; reducing the investment and operation cost of the water recycle system
2. In direct drinking water projects, replacing UF/RO method in some areas where water quality is free from arsenic and fluorine pollution, and reducing the cost of direct drinking water.



## Specification parameters

Mat'l	Series	Eff. Mem. area, m <sup>2</sup>	Water Flux T/day	Salt rejection 2000ppm MgSO <sub>4</sub>	Max operating pressure; bar	Max pH range	Max Free-chloride resistance; ppm
PES	3E-160NF40 (Ø 160x1200)	25.0±0.5	8.4±0.5	41.3±3.0	7.0	2-12	1000
	3E-200NF40 (Ø 200x2000)	60.0±0.5	20.0±0.5	41.6±3.0	7.0	2-12	1000
Test conditions		1) Feed water temperature: 25°C; pH: 7.5-8; Test pressure: 6.0 bar 2) External pressure membrane module, operating temperature range 5-40°C. Maximum cleaning transmembrane differential pressure: 0.5 bar 3) Acid and alkali resistance (5% NaOH solution; 20% sulfuric acid solution)					

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

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