

02 3ENF-01 NF MEMBRANE

Introduction

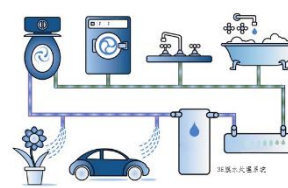
The 3ENF-01 high flux membrane series (molecular weight cut-off range 8.0kDa – 10.0kDa, dense UF) offers high water flux and impurity removal rate. Suitable for municipal and industrial wastewater pretreatment, it removes viruses, bacteria, algae, and reduces hardness, mitigating fouling of subsequent reverse osmosis membrane. With low energy consumption and maintenance costs, 3ENF-01 greatly lowers expenses of municipal and industrial wastewater treatment

It has been used for:

- Water recycle projects, replacing UF membranes for RO pretreatment, reducing maintenance cost
- In direct drinking water projects, substituting double-membrane process, greatly lowering cost

Applications

- High-quality bottled water production
- Household drinking water terminal purification
- Whole-house water purification
- Reclaimed water reuse pretreatment
- Seawater desalination pre-filtration



Parameters

Mat'l	Module No. (Size, mm)	Eff. Mem. Area: m ²	Designed Water Flux t/module/day	Salt Rejection (%) 2000ppm MgSO ₄	Max Free-Chloride Resistance; ppm	Max Opt. Pressure / (Max pH Range)
PVDF	3E-160NF01F (Ø160×1200)	25.0±0.5	44.0±1.0	0.5 – 1.0	2000	2.0bar/(2-12)
	3E-200NF01F (Ø200×2000)	60.0±0.5	105.0±1.0	0.5 – 1.0	2000	2.0bar/(2-12)
Test Conditions	1) Water temperature 25°C; pH 7.5-8.0, test pressure 1.0bar; 2) Outside-in membrane module, temperature 5-40°C, max. backwash 3.0bar, max. operating 2.0bar 3) ID/OD: 0.45/0.85mm					

Note: For engineering design parameters and information, please consult with our technical staff and obtain the latest version of the technical manual.