

06 3ENF-40 NF MEMBRANE

Introduction

3ENF-40 membrane has high water flux and medium rejection rate, used for: 1) dyeing wastewater treatment, 2) filtering antimicrobial compounds, 3) reducing water hardness (heavy metals), 4) removing bacteria and viruses. Developed for low-cost dyeing wastewater treatment.

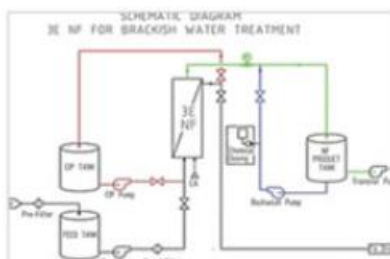


It has been successfully used for:

- Mariculture wastewater reuse project, replacing double-membrane or removing bed biofilm reactor process, lowering system investment and operating costs
- Direct drinking water project, reducing hardness for healthy water

Applications

- Material separation
- Food wastewater recycle
- Whole house water purification
- Dyeing wastewater treatment
- Treatment and reuse of other types of high-salt wastewater



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)
PES	3E-160NF40F (Ø160×1200)	23.5±0.5	10.0±0.5	45.0±5.0	1000	5.0bar/(2-12)
	3E-200NF40F (Ø200×2000)	63.0±0.5	27.0±0.5	45.0±5.0	1000	5.0bar/(2-12)
Test Conditions	1) Water temperature 25°C; pH 7.5-8.0, test pressure 3.0bar; 2) Outside-in membrane module, temperature 5-40°C, max. backwash pressure 0.5bar, max. operating 3.0bar 3) ID/OD: 0.50/0.98mm					

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