

05 3ENF-20 NF MEMBRANE

Introduction

3ENF-20 membrane has high water flux, low desalination rate for industrial and residential applications like household water softeners. Excellent separation performance removes bacteria, viruses, antimicrobial compounds, organic pollutants, hardness, heavy metal pollution at low cost.



It has been used for:

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

Applications

- Material separation
- Whole house water purification
- High-quality bottled water production
- Household water softener
- Wastewater reuse in seawater aquaculture

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-160NF20F (Ø160×1200)	23.5±0.5	16.0±1.0	30.0±5.0	1000	5.0bar/(2-12)
	3E-200NF20F (Ø200×2000)	63.0±0.5	43.0±1.0	30.0±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.

