



3E-NF20 nanofiltration membrane with high water flux and low separation rate can be used for industrial fields and consumer sectors. They have excellent separation performance, especially suitable for household water softeners. It can be used at a very low cost to 1) remove bacteria and viruses from drinking water ; 2)remove antibacterial compounds from feed water ; 3) reduce organic pollutants in water; 4) reduce water hardness and heavy metals.

Application:

- Material separation
- Production of high-quality bottled water
- Domestic water softener
- Whole house water purification
- Reuse of freshwater aquaculture wastewater

3E-NF20 series have been successfully applied in the following fields:

- 1) In the project of recycling freshwater and seawater aquaculture wastewater, replace the UF/RO method method or MBBR process; reduce the investment and operation cost of the system.
- 2) In the direct drinking water project, the UF/RO method is replaced in some areas with high water.



Specification parameters

Mat'l	Series	Eff. Mem. area, m ²	Water Flux T/day	Salt rejection 2000ppm MgSO ₄	Max operating pressure; bar	Max pH range	Max Free-chloride resistance; ppm
PES	3E-160NF20 (Ø 160×1200)	25.0±0.5	17.3±0.5	22.3±3.0	4.0	2-12	1000
	3E-200NF20 (Ø 200×2000)	60.0±0.5	41.5±0.5	21.6±3.0	4.0	2-12	1000
Test conditions		1) Feed water temperature: 25°C; pH: 7.5-8; Test pressure: 3.0 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.

For more information, contact:

Telephone: +65 62056498, +65 65159384

Mobile (WhatsApp & Skype): +65 92376398

Email: sales@3ememtech.com

Website: www.3ememtech.com

3E Memtech Pte LTD

84 Toh Guan Rd E, #04-01

PUB Water Hub, S'pore 608501

REF: NF20-0922