



3E-NF90 Series NF membrane offers good water flux and high level of rejection with consistently pure end-product, perfect for blackish water treatment by removing undesired salts and other hazardous materials to get good quality drinking water.

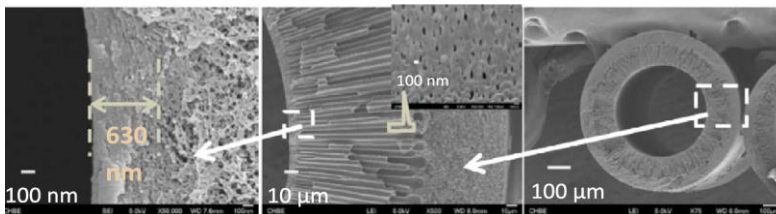
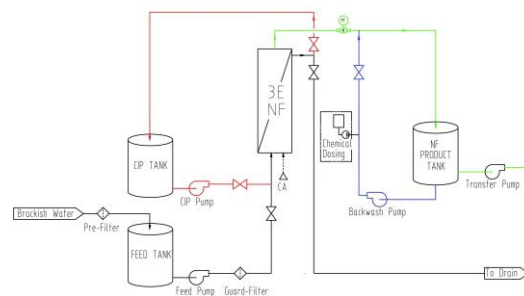
3E-NF90 Series NF membrane has 90% rejection of 2000PPM $MgSO_4$, it can be used for:

- 1). bacteria and virus removal
- 2). antibacterial compounds removal
- 3). heavy metal removal
- 4). other hazardous contents in the water removal

Application:

- Pharmaceutical wastewater treatment
- Brackish water treatment
- Municipal wastewater recycles
- Industrial wastewater recycles
- Cooling tower blowdown water recycle
- Water treatment of coal mine
- Material separation and recycling

SCHMATIC DIAGRAM
3E NF FOR BRACKISH WATER TREATMENT



Mat'l	Series	Eff. Mem. area, m ²	Water Flux T/day	Salt rejection 500ppm NaCl	Salt rejection 2000ppm MgSO ₄	** Max recovery rate; %	Max operating pressure; bar	Max pH range	Max Free-chloride resistance; ppm
PES	3E-90NF90A	11.8±0.5	3.8±0.2	86.7±3%	91.3±3%	20%	8.0	1-10	1000
	3E-160NF90A	56.3±0.5	18.2±0.5	86.7±3%	91.3±3%	20%	8.0	1-10	1000
	3E-250NF90A	121.0±0.5	39.2±0.5	86.7±3%	91.3±3%	20%	8.0	1-10	1000
Test conditions		Water temperature: 25°C; pH: 7.5-8; Test pressure: 5.0bar							
Note		** Max recovery rate is tested without recycling of system concentrated water; Present recycle rate per membrane module is 15%; max 18%.							

Note: for detailed technical profile, please discuss with our technician.

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