

纳滤膜种类

北京品超思瑞科技有限公司 美国Sterlitech膜和膜试验产品总代理 010-63150800 www.pcsr-tech.com

NF Flat-Sheet Performance Comparison by Manufacturer:

DOW FILMTEC™

Series	NF	NF90	NF270
Feed	Foods/Beverages	Industrial/Commercial	Surface/Ground
Type	High Rejection	Low Energy, Low Pressure	Organics Removal, Softening
pH Range	2-11	2-11	2-11
Flux (GFD)/psi	26.5-39.5/130	46.0-60.0/130	72.0-98.0/130
MgSO ₄ Rejection	99.0%	99.0%	99.2%
Pore size/ MWCO	~200-400 Da	~200-400 Da	~200-400 Da
Polymer	Polyamide-TFC	Polyamide-TFC	Polyamide-TFC

GE Osmonics™

Series	Duracid NF	DK	DL	HL	CK
Feed	Industrial/Commercial	Foods/Industrial	Foods/Industrial	Industrial/Commercial	Industrial/Commercial
Type	Acid Purification, Mineral Concentration	High Rejection	Low Energy, Low Pressure	Softening	Chlorine Resistant, Softening
pH Range	0-9	2-10	2-10	3-9	2-8
Flux (GFD)/psi	10-19/225	22/100	28/220	39/100	28/200
MgSO ₄ Rejection	98.0%	96.0%	98.0%	98.0%	94.0%
Pore size/ MWCO	~150-200 Da	~150-300 Da	~150-300 Da	~150-300 Da	~2000 Da
Polymer	Polyamide-TFC	Polyamide-TFC	Polyamide-TFC	Polyamide-TFC	Cellulose Acetate

Synder Filtration™

Series	NDX	NFG	NFW	NFX
Feed	Foods/Industrial/Waste	Foods/Industrial/Waste	Foods/Industrial/Waste	Foods/Industrial/Waste
Type	NA	High Flux, Softening	Softening	High Rejection, Softening
pH Range	4-9	4-10	4-10	3-10.5
Flux (GFD)/psi	35-45/110	55-60/110	45-50/110	20-25/110
MgSO ₄ Rejection	95.0%	50.0%	97.0%	99.0%
NaCl Rejection	NA	10.0%	20.0%	40.0%
Pore size/MWCO	~500-700 Da	~600-800 Da	~300-500 Da	~150-300 Da
Polymer	Polyamide-TFC	Polyamide-TFC	Polyamide-TFC	Polyamide-TFC

TriSep™

Series	TS40	TS80	SB90	XN45
Feed	Foods/Industrial/Waste	Foods/Industrial/Waste	Liquid Foods	Foods/Industrial/Waste
Type	Process	Softening	Chlorine Resistant	Process
pH Range	2-11	2-11	N/A	2-11
Flux (GFD)/psi	20/110	20/110	30/225	35/110
MgSO ₄ Rejection	90.0%	99.0%	97.0%	95.0%
NaCl Rejection	40-60%	80-90%	85.0%	10-30%
Pore size/MWCO	~200 Da	~150 Da	~150 Da	~500 Da
Polymer	Polypiperazine-amide	Polyamide-TFC	Cellulose Acetate	Polypiperazine-amide

Nanostone™

Series	NF4	NF8
Feed	NA	NA
Type	Partial Desal, Sulfate Removal	Partial Desal
pH Range	3-10	3-10
Flux (GFD/psi)	46/150	77/150
Pore size/MWCO	~150 Da	~300 Da
Polymer	Polyamide-TFC	Polyamide-TFC

Microdyn Nadir™

Series	NP010	NP030
Thickness	210-250 μm	210-250 μm
Type	Acid/Caustic Preparation, Metal, Chemical	Acid/Caustic Preparation, Metal, Chemical
pH Range	0-14	0-14
Na ₂ SO ₄ Rejection	35-75%	80-95%
Processing Temp.	5-95°C	5-95°C
Polymer	PES	PES
Backing	PE/PP	PE/PP
Water Flux	>200 l/mh/40 bar	>40 l/mh/40 bar
Pore size/MWCO	~1000 Da	~500 Da