

TRISEP® & NADIR® Membrane Products

TRISEP® Reverse Osmosis (RO)

ACM1	Higher Rejection RO	NaCl	99.5% ¹
ACM2	“Standard” High Rejection RO	NaCl	99.5% ¹
ACM3	Higher Productivity RO	NaCl	99.3% ¹
ACM4	Low Energy RO	NaCl	99.3% ¹
ACMX™	Ultra-Low Pressure RO	NaCl	99.0% ^{2,7}
X-20™	Low-Fouling RO	NaCl	99.5% ¹
SB20	High Rejection Cellulose Acetate	NaCl	98.0% ³
SB50	Higher Productivity Cellulose Acetate	NaCl	96.0% ³

TRISEP® Nanofiltration (NF)

TS80	Higher Rejection / “Softening” NF	MgSO ₄ NaCl	99.0% ⁴ 80.0% ⁵
TS50	Higher Rejection NF for Separations and Desalting	MgSO ₄ NaCl	99.0% ⁴ 50.0% ⁵
TS40	NF for Purification, Separation, and Demineralization	MgSO ₄ NaCl	99.0% ⁴ 40.0% ⁵
XN45	NF for Purification, Separation, and Demineralization	MgSO ₄ NaCl	96.0% ⁴ 20.0% ⁵
UA60	Open NF for Purification, Separation and Demineralization	MgSO ₄ NaCl	80.0% ⁴ 10.0% ⁵
SB90	Cellulose Acetate NF for Low Pressure Water Purification	NaCl	85.0% ⁶
SBNF	Cellulose Acetate NF for Color Removal	MWCO	2,000 Da

TRISEP® Ultrafiltration (UF)

UF5	PES UF Membrane	MWCO	5,000 Da
UF5XT*	Extreme PES UF Membrane	MWCO	5,000 Da
UF10	PES UF Membrane	MWCO	10,000 Da
UF10XT*	Extreme PES UF Membrane	MWCO	10,000 Da
UE50	PES UF Membrane	MWCO	100,000 Da
UB50	PES UF Membrane	Pore Size	0.03 µm
UB70	PVDF UF Membrane	Pore Size	0.03 µm

TRISEP® Microfiltration (MF)

MF01	PES MF Membrane	Pore Size	0.10 µm
TM10	PVDF MF Membrane	Pore Size	0.20 µm

NADIR® Nanofiltration (NF)

NPO30*	Acid/Caustic Stable PES NF Membrane	Na ₂ SO ₄	80 - 95% ⁸
NPO10*	Acid/Caustic Stable PES NF Membrane	Na ₂ SO ₄	35 - 75% ⁸

NADIR® Ultrafiltration (UF)

UH004*	PESH UF for Protein Concentration	MWCO	4,000 Da
UPO05*	PES UF for Protein Concentration	MWCO	5,000 Da
UPO10*	PES UF for Protein Concentration	MWCO	10,000 Da
UPO20*	PES UF for Protein Concentration	MWCO	20,000 Da
UH030*	PESH UF for Protein Concentration	MWCO	30,000 Da
UH050*	PESH UF for Protein Concentration	MWCO	50,000 Da
US100*	PSH UF for Treatment of Fermentation Broth	MWCO	100,000 Da
UP150*	PES UF for MBR	MWCO	150,000 Da
UV150	PVDF UF Membrane for E-Coat Paint	MWCO	150,000 Da
UC500	Regenerated Cellulose (RC) for Environmental, Metal, Paint, Paper & Pharmaceutical Applications	MWCO	500,000 Da

NADIR® Microfiltration (MF)

MPO05*	PES MF for Cell Separation	Pore Size	0.05 µm
MVO20	PVDF MF for Particle Filtration	Pore Size	0.20 µm

¹ 2,000 mg/L NaCl @ 15.5 bar (225 psi), 25°C (77°F), pH 8

² 500 mg/L NaCl @ 6.9 bar (100 psi), 25°C (77°F), pH 8

³ 2,000 mg/L NaCl @ 29.0 bar (420 psi), 25°C (77°F), pH 5.5

⁴ 2,000 mg/L MgSO₄ @ 7.6 bar (110 psi), 25°C (77°F), pH 8

⁵ Approximate rejection at 2,000 mg/L NaCl @ 7.6 bar (110 psi), 25°C (77°F), pH 8

⁶ 2,000 mg/L NaCl @ 15.5 bar (225 psi), 25°C (77°F), pH 5.5

⁷ Two versions of ACMX™ membrane currently available

⁸ 5,000 mg/L Na₂SO₄ @ 40 bar (580 psi), 20°C (68°F)

* Available on PP backing

Contact

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