

NADIR® NP030 P

“Nanofiltration” Membrane

NADIR® NP030 is a polyethersulfone (PES) membrane that exhibits nanofiltration characteristics when exposed to high pressure. Its stabilized molecular weight cut-off is in the range of 500-600 Daltons after operation at 40 bar (580 psi). NP030 membrane is durable enough to be used in concentrated acid environments and caustic recovery systems with a pH range of 0 - 14. NP030 membrane sheet is available in dry flat sheet rolls and is FDA compliant.

MEMBRANE CHARACTERISTICS

Membrane Chemistry	Backing Material	Na ₂ SO ₄ Rejection Bounds (%) ^a
Polyethersulfone (PES)	Polypropylene	80 - 95

Permeability LMH/bar (GFD/psi) ^b	Thickness (µm)	pH Range
≥ 1 (≥ 0.04)	210 - 250	0.0 - 14.0

a Test conditions: 5,000 ppm Na₂SO₄, 40 bar (580 psi), 20°C (68°F). Membrane specifications may change without notice as design revisions occur.

b Test conditions: Clean water, 40 bar (580 psi), 20°C (68°F).

IMPORTANT INFORMATION

Standard Sizes: NADIR flat sheet membrane is available in an A4 sample size of 210 mm x 297 mm (8.27 in x 11.69 in) and in a nominal roll size of 150 m x 1016 mm (492 ft x 40.0 in). Custom lengths may be available on request.

Initial Flush: MANN+HUMMEL Water & Fluid Solutions recommends flushing membrane for 30 minutes and discarding permeate during the flush prior to operation.

Storage: Membrane shipped dry should be stored away from direct sunlight in a cool, dry place. Please see Membrane Storage Guide - Flat Sheet Membrane (TSG-O-011).

Contact

Europe

Germany: +49 611 962 6001
Italy: +39 0721 1796201
info@microdyn-nadir.com

Americas

USA: +1 805 964 8003
sales.mnus@microdyn-nadir.com

Asia

Singapore: +65 6457 7533
China: +86 10 8413 9860
waterchina@mann-hummel.com