

NADIR UH004 P

Ultrafiltration Membrane

With a nominal molecular weight cut-off (M.W.C.O.) of 4,000 Daltons, NADIR UH004 flat sheet is a hydrophilic polyethersulfone (PES) membrane with high rejection of solids. UH004 flat sheet membrane can be configured in a wide variety of element designs for food, dairy and process separations as well as water purification. UH004 membrane sheet is available in dry flat sheet rolls and is FDA compliant. - 14. NP030 membrane sheet is available in dry flat sheet rolls and is FDA compliant.

MEMBRANE CHARACTERISTICS

Membrane Chemistry	Polyethersulfone (PES)
Backing Material	Polypropylene
Nominal M.W.C.O. (Da)	4,000
Permeability LMH/bar (GFD/psi) ^a	≥ 7.0 (≥ 0.3)
Thickness (µm)	210 - 250
pH Range	0.0 - 14.0
Chlorine Tolerance ^b	200 ppm (sanitization)

a) Test conditions: Clean water, 4 bar (58 psi), 20°C (68°F), crossflow operation. Membrane specifications may change without notice as design revisions occur.

b) For daily short term cleaning: maximum 50°C (125°F), 30 min.

IMPORTANT INFORMATION

Standard Sizes: NADIR flat sheet membrane is available in an A4 sample size of 200 mm x 300 mm (7.87 in x 11.81 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 & Membrane 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).

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