# NADIR UH030 P

## Ultrafiltration Membrane

With a nominal molecular weight cut-off (M.W.C.O.) of 30,000 Daltons, NADIR UH030 flat sheet is a hydrophilic polyethersulfone (PES) membrane that can be configured in a wide variety of element designs for food, dairy and process separations as well as water purification. UH030 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)	30,000
Permeability LMH/bar (GFD/psi) <sup>a</sup>	≥ 35.0 (≥ 1.4)
Thickness (µm)	210 - 250
pH Range	0.0 - 14.0
Chlorine Toleranceb	200 ppm (sanitization) at pH $\geq$ 10.5

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.

#### IMPORTANT INFORMATION

**Standard Sizes:** NADIR flat sheet membrane is available in a 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).

### Contact

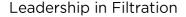
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b) For daily short term cleaning: maximum 50°C (125°F), 30 min..