

# NADIR UP150 T

## Ultrafiltration Membrane

NADIR UP150 membrane is a polyethersulfone (PES) ultrafiltration membrane with a nominal molecular weight cut-off (M.W.C.O.) of 150,000 Daltons. UP150 membrane is commonly used in the removal of macromolecules or concentration of large organic solutes in both water and process applications, and can be used for membrane

### MEMBRANE CHARACTERISTICS

Membrane Chemistry	Polyethersulfone (PES)
Backing Material	Non-Woven Polyester
Nominal M.W.C.O. (Da)	150,000
Permeability LMH/bar (GFD/psi) <sup>a</sup>	≥ 285 (≥ 11.6)
Thickness (μm)	200 - 240
pH Range	2.0 - 11.0
Maximum Cleaning Concentrations <sup>b</sup>	1,000,000 ppm-hours

a) Test conditions: Clean water, 2 bar (29 psi), 20°C (68°F), crossflow operation. Membrane specifications may change without notice as design revisions occur.

b) pH must be between 10 - 11 during chlorine cleaning.

### 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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