

# NADIR UV150 T

## Ultrafiltration Membrane

NADIR UV150 is a 150,000 Dalton molecular weight cut off (M.W.C.O.) polyvinylidene fluoride ultrafiltration membrane that is used in e-coat applications to reduce wastewater, allow for paint recovery, and reduce chemical and discharge costs. UV150 membrane sheet is available in dry flat sheet rolls and is FDA compliant.

### MEMBRANE CHARACTERISTICS

Membrane Chemistry	Polyvinylidene Fluoride (PVDF)
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)	210 – 250
pH Range	1.0 – 12.0
Maximum Cleaning Concentrations <sup>b</sup>	Butyl glycol 20% Acetic/Lactic acid 10%

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) Typical cleaning concentrations are 5% butyl glycol, or 3% acetic or lactic acid.

### 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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