

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	Backing Material	Nominal M.W.C.O. (Da)
Polyvinylidene Fluoride (PVDF)	Non-Woven Polyester	150,000

Permeability LMH/bar (GFD/psi) ^a	Thickness (µm)	pH Range	Maximum Cleaning Concentrations ^b
≥ 285 (≥ 11.6)	210 - 250	1.0 - 12.0	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 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).

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