



# 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)	Thickness (µm)
Polyvinylidene Fluoride (PVDF)	Non-Woven Polyester	150,000	210 - 250

Permeability LMH/bar (GFD/psi) <sup>a</sup>	Retention PVP K85 (%) <sup>b</sup>	pH Range	Maximum Cleaning Concentrations <sup>c</sup>	
≥ 285 (≥ 11.6)	90.0 – 97.0	1.0 – 12.0	Butyl glycol Acetic/Lactic acid	20% 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 Test conditions: 4% PVP K85, 2 bar (29 psi), 20°C (68°F), crossflow operation.

c 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:** MICRODYN-NADIR 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).

### Solving Unmet Needs with Customized Products



Headquarters  
MICRODYN-NADIR GmbH  
Building D512  
Kasteler Straße 45  
65203 Wiesbaden  
Germany  
info@microdyn-nadir.de  
www.microdyn-nadir.de

USA Office  
MICRODYN-NADIR US, Inc.  
93 South La Patera Lane  
Goleta, CA 93117  
USA  
info@microdyn-nadir.com  
www.microdyn-nadir.com/en  
www.microdyn-nadir.com/trisep

China Office  
MICRODYN-NADIR (Xiamen) Co. Ltd.  
No. 66 Jinting North Road Xinglin  
Xiamen, China 361022  
infochina@microdyn-nadir.com

Singapore Office  
MICRODYN-NADIR Singapore Pte. Ltd.  
18 Tuas Avenue 8  
639233 Singapore  
info@microdyn-nadir.com