

# NADIR UV400 T

## Ultrafiltration Membrane

BIO-CEL UV400 T membrane is a polyvinylidene fluoride (PVDF) ultrafiltration membrane with a nominal molecular weight cut-off (M.W.C.O.) of 400.000 Daltons and high performing fluxes. UV400 T membrane is developed for the removal of macromolecules or concentration of large organic solutes in membrane bioreactor (MBR) applications. UV400 T membrane sheet is available in dry flat sheet rolls.

### MEMBRANE CHARACTERISTICS

Membrane Chemistry	Polyvinylidene fluoride (PVDF)
Backing Material	Non-Woven Polyester
Nominal Pore Size (µm)	0.06
Permeability LMH/bar (GFD/psi) <sup>a</sup>	≥ 1200 (≥ 48)
Thickness (µm)	200 - 220
pH Range	2.0 - 11.0
Chlorine Tolerance <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

### Americas

USA: +1 805 964 8003  
sales.mnus@microdyn-nadir.com

### Asia

APAC: +65 6457 7533  
info.wfs@mann-hummel.com  
China: +86 10 8413 9860  
waterchina@mann-hummel.com

### Europe

Germany: +49 611 7118 7480  
Italy: +39 0721 1796201  
info.wfs@mann-hummel.com

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