# 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.

#### 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

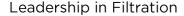
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b) pH must be between 10 - 11 during chlorine cleaning.