NEOFLUX 90 series – Nanofiltration Membranes

Product description:

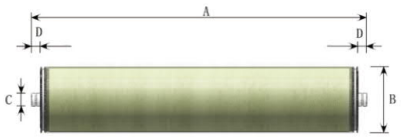
NEOFLUX 90 series membranes deliver high flux paired with excellent removal efficiency for both monovalent and divalent salts. They also achieve high rejection rates for organic compounds—including pesticides, herbicides, and THM precursors—and exhibit strong removal capabilities for natural organic compounds (NOCs). In water treatment processes, these membranes not only reduce water hardness but also effectively remove toxic/harmful substances, turbidity, color, and organics. Additionally, they enable the recovery of valuable multivalent salts and small-molecule organics. Requiring low net driving pressure, these membranes can efficiently remove impurities or recover useful substances even under very low operating pressures—resulting in low system energy consumption and operational costs. They are well-suited for papermaking, printing and dyeing industries, as well as municipal water treatment systems.

Product Highlights:

* Excellent removal efficiency for various particles and components
* Ideal for removing TOC and THM precursors
* Salt removal achievable under ultra-low pressure, ensuring low energy consumption

Product Dimensions:

Membrane Code	*Dim. A*		*Dim. B*		*Dim. C*		*Dim. D*	
	mm	*inch*	*mm*	*inch*	*mm*	*inch*	*mm*	*inch*
NEOFLUX-90-400	1016	40	201	7.9	29	1.125		
NEOFLUX-90-82	963	37.9	99	3.9	19	0.75	26.7	1.05



Product Specifications:

Membrane Code	Effective Area		Permeate flowrate		Min Rejection (%)	Stable Rejection (%)	MWCO (Da)	Material
	(m2)	(ft2)	(m3/d)	(gpd)				
NEOFLUX-90-400	37	400	31	8200	-	≥99	90	
NEOFLUX-90-82	7.6	82	6	1580	-	≥99	90	

Note: Flux and rejection rate is based on the following standard test conditions: 0.48 MPa (70 psi) pressure, 25°C (77°F), 2000 ppm $MgSO_4$ solution , and 15% recovery.

Operation & Cleaning Limits:

* Maximum Operating Pressure: 41 bar (600 psi)
* Maximum Operating Temperature: 45°C (113°F)
* Maximum Element Pressure Drop: 1.0 bar (15psi)
* pH Range Continuous Operation: 3-10
* pH Range Short-Term (Cleaning): 2-12
* Maximum Feed SDI (SDI_{15}): 5.0
* Free Chlorine Tolerance: < 0.1 ppm

Notes:

* Permeate flow for individual elements may vary ±15 percent from the value specifed.
* Active membrane area guaranteed ±4%.
* Stabilized salt rejection is generally achieved within 24-48 hours of continuous use; depending uponfeedwater characteristics and operating conditions.