NEOFLUX 150 series – Nanofiltration Membranes

Product description:

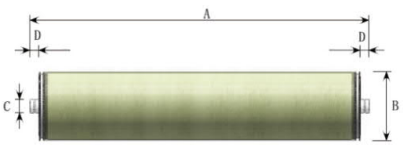
NEOFLUX 150 are manufactured with a proprietary formula and advanced production technology, specifically engineered for specialized solute concentration and separation processes. These membranes deliver stable, reliable performance paired with superior fouling resistance. Notably, these membranes fill a critical gap in the molecular weight cut-off (MWCO) range of existing NF membranes—enabling precise separation for diverse applications, including TOC and THM precursor removal, monovalent salt separation, decolorization, and the concentration of small-molecule organics.

Product Highlights:

* Unique MWCO characteristics fill the critical gap between existing NF membranes
* Precise separation capabilities for fine materials and small-molecule organics
* Excellent chemical stability ensures long-term longevity across diverse applications
* Superior fouling resistance reduces cleaning frequency and extends service life

Product Dimensions:

Membrane Code	Dim. A		Dim. B		Dim. C		Dim. D	
	mm	inch	mm	inch	mm	inch	mm	inch
NEOFLUX-150-400	1016	40	201	7.9	29	1.125		
NEOFLUX-150-82	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-150-400	37	400	34	8950	-	≥98	150	
NEOFLUX-150-82	7.6	82	7	1850	-	≥98	150	

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.