

Clariphex

NEOFLUX 280 series – Nanofiltration Membranes

Product description:

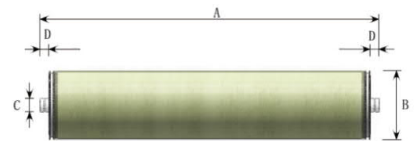
NEOFLUX 280 deliver ultra-high flux while effectively removing TOC and trihalomethane (THM) precursors. These membranes exhibit selective permeability for divalent salts—allowing moderate passage rates—while enabling higher passage rates for other salts. This unique selectivity makes the this series ideal for applications including organic matter removal from surface and groundwater, water softening, and diverse concentration and purification processes involving inorganic salts, organics, natural drugs, and fermentation broths.

Product Highlights:

- * Exceptional permeate flux rates drive high productivity
- * Effective removal of TOC and THM precursors ensures water quality
- * Selective salt separation capabilities enable targeted applications
- * Energy-efficient operation under ultra-low pressure conditions reduces operational costs

Product Dimensions:

| Membrane Code | Dim. A | | Dim. B | | Dim. C | | Dim. D | |
|-----------------|--------|------|--------|------|--------|-------|--------|------|
| | mm | inch | mm | inch | mm | inch | mm | inch |
| NEOFLUX-280-400 | 1016 | 40 | 201 | 7.9 | 29 | 1.125 | | |
| NEOFLUX-280-82 | 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 |
|-----------------|-------------------|--------------------|---------------------|-------|-------------------|----------------------|-----------|----------|
| | (m ²) | (ft ²) | (m ³ /d) | (gpd) | | | | |
| NEOFLUX-280-400 | 37 | 400 | 47 | 12410 | - | ≥97 | 280 | |
| NEOFLUX-280-82 | 7.6 | 82 | 9.2 | 2430 | - | ≥97 | 280 | |

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 MgSO₄ 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 (SDI₁₅): 5.0
- * Free Chlorine Tolerance: < 0.1 ppm

Notes:

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