ExcellNano™ NF-2

Nanofiltration Membranes

SnowPure's Excell**Nano**™ process NF membranes are uniquely designed for special industrial process separations. Based on 2-layer chemistry, the thin-film PA microscopic surface is tough and highly selective. These proprietary aromatic membranes are a selective-rejection chemistry, and are available only from SnowPure.

2-Layer Excell**Nano**™ membranes can be used to separate:

- ♦ Divalent ions from monovalent ions
    - ♦ Sulfate from brine
    - ♦ Hardness from brine
    - ♦ Metals from water and brine
    - ♦ Organics from water and brine

Excell**Nano**™ **NF** membranes are available in spiral-wound or flat-sheet form.

	SXN2-K	SXN2-L
MgSO₄ Rejection* %, minimum	99%	98%
NaCl Rejection** %, depends on conditions	20-70%	10-50%
MW Cutoff (approx)** Daltons	150-300	200-450
Operating Flux GFD (LMH)	10-22 (16-36)	14-30 (24-50)

* 2000 ppm MgSO₄, 110 psi, 25C

** depends highly on which ions are present and in what concentrations

*** depends on chemical nature and polarity of species

MADE IN USA

Membrane Parameters	SXN-K	SXN-L
Operating Flux, GFD (LMH)	10-22 (16-36)	14-30 (24-50)
Maximum Operating Pressure, psi (bar)	400 (27)	400 (27)
Typical Operating Pressure, psi (bar)	100 (7)	70 (5)
Maximum Temperature, C	50	50
Operating pH range (recommended)	4-9	4-9
Cleaning pH range (limits)	2-10	2-10

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SnowPure's Separation Technologies

- Electropure™ EDI
- Zapwater™ Laboratory EDI
- Electropure™ ED—Electrodialysis
- EXCELL™ Membranes (IX, NF, UF)
- SPUV™ High Efficiency UV
- GTM-Gas Transfer Membranes
- DC Power Supplies

Doing business with SnowPure

- Electropure™ EDI technology was born in 1977, before Ionpure
- SnowPure is privately held
- SnowPure is your partner, not a competitor
- High quality technology training and OEM support
- Focus on Customer Service, rapid response.

Benefits of Excell™ Membranes

- USA Membrane Technology
- Manufactured in USA
- Highly controlled process
- 34 years of broad membrane experience
- Reliable, robust, proprietary membranes
- ISO-9001 compliant quality system

Technology Training and OEM System Design Support

- SnowPure believes strongly in training—this helps ensure field success with our technologies.
- SnowPure assists new OEM customers through their system design phase, both during the OEM training and the design process. Support includes reviews of P&I diagrams and feedwater requirements.
- Combined with ongoing Technical Service, we help ensure success.

SNOWPURE

www.snowpure.com