

OCHEMATE NÜF® N80-1812-200 NF element

Feature

With Breakthroughs in Membrane Materials and element structure, OCHEMATE NÜF® Nanofiltration products offer most effective and high- quality solution to bring healthy and good taste drinking water. NÜF® elements can operate without additional vessel, and can operate under extremely low pressure to produce high flow permeate water when used properly.

NÜF® Home-use Nanofiltration element Feature:

- Differentiated technology with innovation. Using hollow fiber structure instead of normal rolled elements.
- Real selective filtration. Unwanted compounds are removed while maintaining beneficial compounds. The permeate water quality meets the “Healthy Water” standard requirements.
- Using safe and biodegradable material that do not cause harm or contribute to the environment.

Product Types

TPFP modified-Polyamide composite hollow fiber element.

Product Specifications

Product	Part Number	Applied pressure		Permeate flow rate		Stabilized salt rejection (%)	
		(psig)	(Mpa)	(gpd)	(L/min)		
N80-1812-200	00190104	45	0.31	225	0.56	MgSO4	91%
						CaCl2	65%
						NaCl	15%

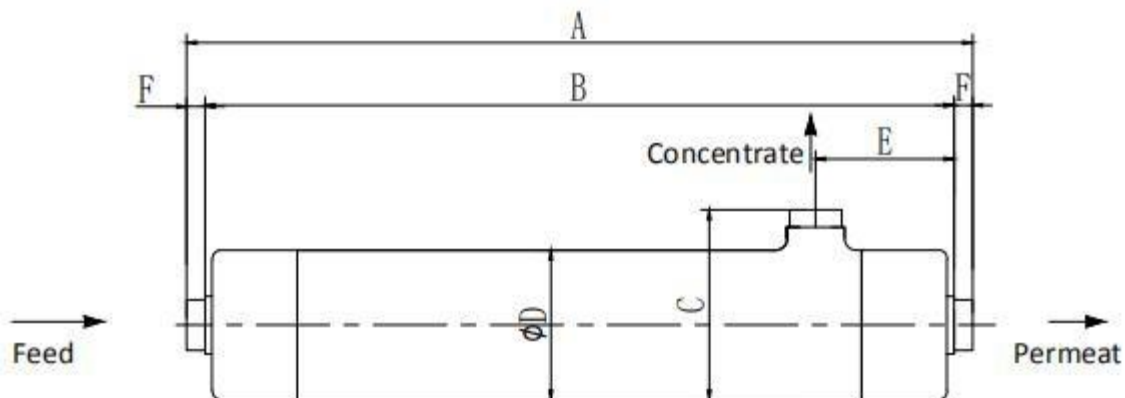
1. Test standard condition: 250 ppm MgSO₄ / 250ppm NaCl / 250ppm CaCl₂, 77°F (25°C), 15% recovery rate, pH 7.

2. Minimum MgSO₄ salt rejection is 90%.(GB/T 30306-2013)

3 Permeate flow rate is 225GPD +/-20%.

4. Permeate flow rate is related to testing conditions including the operation pressure. Per some customer’s testing under 5 bar, one N80-1812-200 produces flow rate as high as 500GPD, and two pieces of elements produce 1000GPD.

Element Dimensions



Dimen sions— inches (mm)	A		B		C		D		E		F	
	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)
N80- 1812- 200	12.59	320	12.00	305	3.27	83	2.56	65	2.36	60	0.31	8

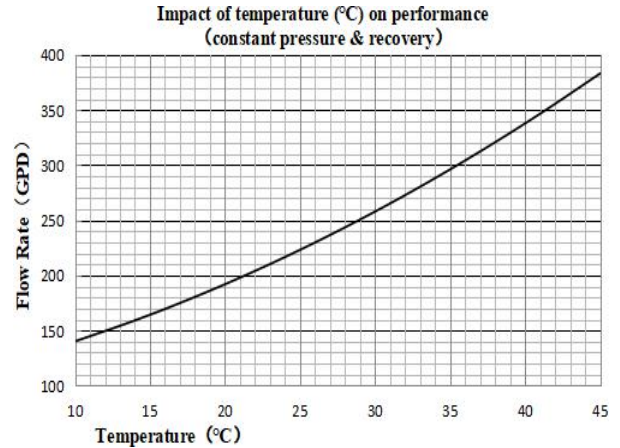
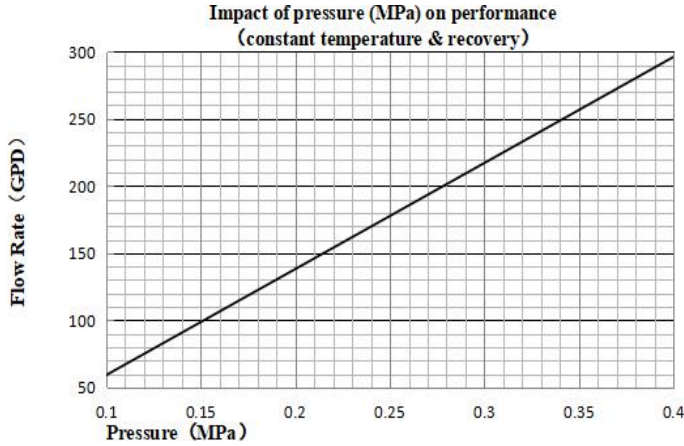
N80-1812 Home Drinking Water element is encapsulated design and do not need extra pressure vessels.

Guidelines

Hollow Fiber Temperature Limits	45°C(113°F)
Highest Endure Pressure	0.6 MPa (87 psi)
PH Endure range	5~9
SDI	<5
Residual chlorine tolerance	<0.1 ppm
Recommended operating temperature	5°C ~ 45°C(113°F)
Recommended operating pressure	0.1 ~ 0.5 MPa (70 psi) highest operation pressrue 0.6 MPa
Recommended operating pH range	4 ~10
Feed water SDI ₁₅	<5
Recommended feed water residual chlorine	<0.1 ppm

*Note: The pH endure range above is under 25°C and will be shorter if temperature increases. Recommended highest long time operation pressure is 0.5 Mpa (70psi) .

Other Information



- At the first use, it is suggested that rinse the protective agent from NÜF® membrane through connecting water for one hour. The permeate water from this one hour should be discharged. Please do not use this water for drinking or cooking.
- Keep elements moist at all times after initial wetting.
- The membrane shows some resistance to short-term attack by chlorine (hypochlorite). Continuous exposure, however, may damage the membrane and should be avoided.
- It is regarded as forbidden that the permeate water backflow into inflow side.

Please contact your Ochemate Representative for more information, and to discuss any other options that may benefit or be required for your NÜF® application.

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