

# AQUA FLO®

## Residential Reverse Osmosis Membranes



This Membrane is Tested and Certified by NSF International against NSF/ANSI Standard 61 for material requirements only.

COMPONENT

**Aqua Flo residential reverse osmosis membranes provide reliable, consistent high quality performance at the lowest possible cost!**

### Features:

- ◆ **Aqua Flo Platinum (NPI models)** made with high quality Polyamide Thin-Film Composite GE fabric (Made in the USA)
- ◆ **Aqua Flo Value (NPD Models)** made with high quality Polyamide Thin-Film Composite house fabric
- ◆ Superior quality and cost savings
- ◆ 50 & 75 GPD membranes
- ◆ Dry shipped for convenient handling and longer shelf life
- ◆ Individually inspected, qualified & vacuum tested
- ◆ Vacuum packaged, 25 membranes per case
- ◆ All membranes conform to NSF/ANSI Standard 58 for material requirements only
- ◆ Private label option (MOQ 500)

### Advanced Technology:

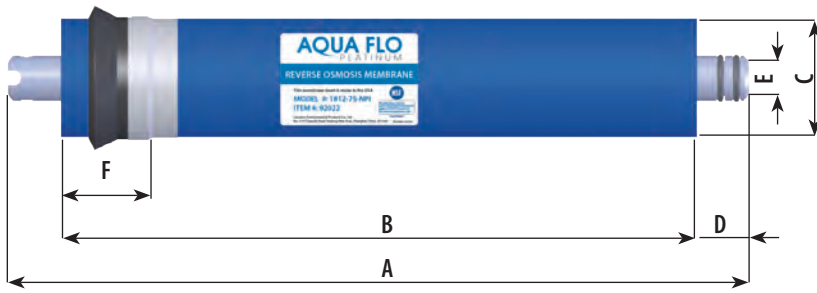
- ◆ Fully automated, state-of-the-art production facility with 1,000,000 annual production capability
- ◆ Tightly controlled, sanitary environment. Strict temperature and moisture levels are maintained to ensure optimal quality





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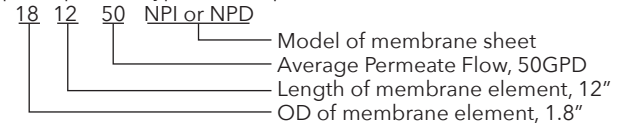
COMPONENT



DIMENSIONS	A		B		C		D		E		F	
Type model	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)
1812-50-NPI	11.74	298	10.08	256	1.65	42	0.83	21	0.67	17	1.38	35
1812-75-NPI	11.74	298	10.08	256	1.77	45	0.83	21	0.67	17	1.38	35
1812-50-NPD	11.74	298	10.08	256	1.65	42	0.83	21	0.67	17	1.38	35
1812-75-NPD	11.74	298	10.08	256	1.77	45	0.83	21	0.67	17	1.38	35

## Model Terminology

Example of product type model specification : 1812-50-NPI



## Product Specifications

Item #	Model	Applied Pressure		Permeate Flow Rate		Typical Stabilized Salt Rejection (%)
		(psig)	(bar)	GPD	(l/h)	
92035	1812-50-NPI	60	4.14	50	7.9	96
92022	1812-75-NPI	60	4.14	75	11.8	96
92094	1812-50-NPD	60	4.14	50	7.9	96
92093	1812-75-NPD	60	4.14	75	11.8	96

1. Permeate flow and salt rejection based on the following conditions: 250 ppm softened tap water, 77° F (25° C), 15% recovery and the specified applied pressure.
2. Minimum salt rejection is 96%
3. Permeate flows for individual elements may vary +/- 20%.

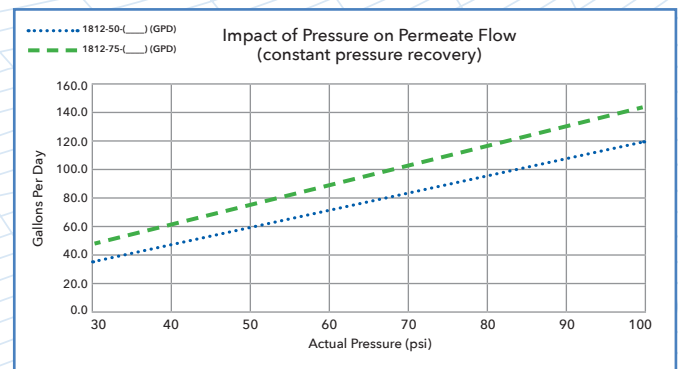
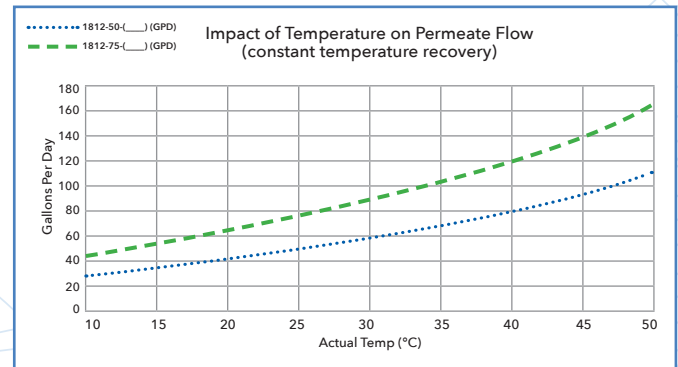
## Operating & Cleaning Limits

Maximum Operating Temperature <sup>1</sup>	113°F (45°C)
Maximum Operating Pressure	150 psig (10 bar)
Maximum Feed Flow Rate	2.0 gpm (7.6 lpm)
pH Range, Continuous Operation <sup>1</sup>	2 - 11
Maximum Feed Silt Density Index (SDI)	SDI 5
Free Chlorine Tolerance <sup>2</sup>	< 0.1 ppm

1. Maximum temperature for continuous operation above pH 10 is 95°F (35°C).
2. Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, Canature WaterGroup Inc. recommends removing residual free chlorine by pre-treatment prior to membrane exposure.

## Additional Important Information:

- ◆ Inspect packaging is in good condition before usage. Store in cool, dry place out of direct sunlight. Avoid freezing.
- ◆ It is recommended that systems using these elements rinse the elements for 24 hours, prior to first use, to meet NSF/ANSI 58 Standard.
- ◆ The first full tank of permeate must be discarded. Do not use this initial permeate for drinking water or food preparation.
- ◆ To ease installation, it is recommended to use a lubricant safe for indirect water contact on all seals. Potential options include water and glycerin based lubricants.
- ◆ Rotate the element about a quarter turn to ease installation and removal of the element. Ensure good interface between the o-rings and brine seal with their connection surfaces.
- ◆ Keep elements moist at all times after initial wetting.
- ◆ To prevent biological growth during prolonged system shutdowns, it is recommended that membrane elements be immersed in a preservative solution. Rinse out the preservative before use.
- ◆ The membrane shows some resistance to short-term attack by chlorine (hypochlorite). Continuous exposure, however, may damage the membrane and should be avoided.
- ◆ If operating limits and guidelines given in this Product Information Bulletin are not strictly followed, the Limited 1 Year Warranty will be null and void. Use of any such chemicals or lubricants will void the Limited Warranty.



Your Local Water Specialist

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