

# RESIDENTIAL NANO FILTRATION (NF) MEMBRANE



## RESIDENTIAL NANO FILTRATION MEMBRANE SERIES

puroxy residential nano filtration membrane has high water output and stable performance, which is specialized in removing dissolved organic carbon and softening water meanwhile. it selectively allows certain lmw and low-valent ions pass through. it can effectively remove nitrate, pesticide, herbicide, household chemicals, bacteria, viruses. meanwhile, it remains part of  $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{Ca}^{2+}$  in water, so that its output water has good test. on the other side, its output flow rate is high with low operating pressure. sometimes it doesn't need a pump, which can effectively reduce the cost and compress size of a direct drinking system.

### Specification and Main Performance of membrane Elements

Model	Average Rejection	Minimum Rejection	Average Permeated Flow(GPD)	Active Membrane Area $\text{ft}^2(\text{M}^2)$
NF-2012-150	40-50	60	150	6.0 (0.56)
NF-2012-150	60-70	60	150	6.0 (0.56)
NF-2012-150	80-85	60	150	6.0 (0.56)

#### Testing Conditions:

Testing Pressure	90psi (0.62MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution	250ppm
pH Value of Testing Solution	7.5
Recovery Rate	15%

#### Operation Limits and Conditions:

Max. Working Pressure	300psi(2.07MPa)
Max. Working Feedwater flow	2gpm
Max. Feedwater Temperature	45c
Max. Pressure SDI	5
Max. Pressure Drop	15psi(0.1Mpa)
Residual Chlorine Decline	<0.1ppm
pH Range of Feedwater	3.0-10.0