

Nano UF-1000

USER MANUAL



Nano UF-1000 (NUF-1000) Whole House Water Filtration

Bacteria-Free* high quality micro-contamination control water system



Nano UF-1000 whole house water filtering system is a high capacity, high flow and small carbon footprint filter. Nano UF refers to the latest in nano-ultrafiltration membrane technology which separates and removes suspended or particulate matter (including colloids & silt) from the water. Ultrafiltration is more reliable than conventional multimedia filtration that removes particles of 10 microns in size or larger. Nano UF-1000, with pore size of 0.01 micron, efficiently removes bacteria and most viruses. Installing a Nano UF-1000 eliminates the need for clarifiers and multimedia filters.

What does UF typically remove?



Note : 1 micrometer (micron) = 10⁻⁶ meter

What can UF typically reduce?

- Total Organic Carbon (TOC)
- Turbidity
- Color components
- NOM (with Coagulant)

What may UF not remove typically?

- Salt
- Gasoline
- Sugar
- Alcohol
- Molecules with smaller molecular weight

Table 1: Nano UF-1000 delivers very high flow with low inlet pressure required

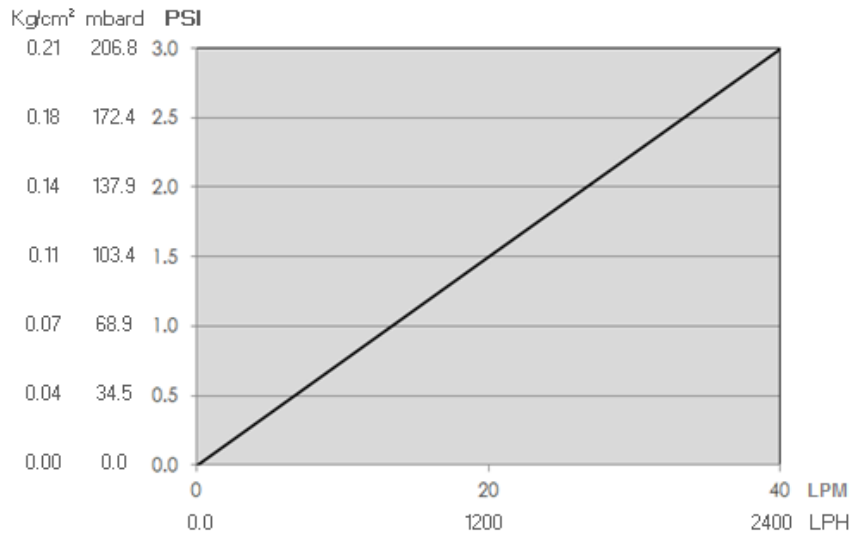


Table 2: Nano UF-1000 Specification

PMW-1000 Flow Rate	1000 LPH
* Bacteria-Free definition exceeds W.H.O. Drinking water microbiological standards	
Total Coliform,	< 1 CFU/100ml
E.Coli	< 1 CFU/100ml
HPC / Total count	< 500 CFU/ml
Taste and odors	Same, No Change
Visible particulates	None
Turbidity	< 1 NTU
TDS, Minerals, Hardness, pH	Same, No Change

Replacement Filters:

Nano-UF capacity per unit per change	500,000 L
Materials: fluoropolymer membrane in stainless steel housing	Membrane
Daily drainage is required for Choice (1) installation	Min 15 mins / 10 litres
Life span (depending on incoming water quality)	1 to 2 years

Supply Water:

Sources: Municipal water, well water or surface water	
Water pressure (10-45 Psi)	0.7- 3 Bar
Turbidity ^	< 5 NTU
Chlorine	1 - 2 PPM
^ Capable of handling occasional poor incoming water quality with 2-3x higher turbidity. Additional sanitization recommended.	
Maximum operating pressure	4 Bar
Maximum operating temperature	40 C

Table 3: Dimension and Weight:

Inlet/Outlet	1/2" NPT Female – 1/2" NPT Female
Dimensions	480 (L) x 150(H)x 120 (D) mm
Weight	2 kg (net weight of Nano UF alone) 3.2 kg (with fittings & full packaging)
Installation	Horizontal or vertical
Space needed	50mm space surrounding the device

Table 4: Installation Guide

