

## NANOPURE-Plus 2.0 / NANOPURE 3.0 WATER PURIFIER FILTRATION MEDIA

**Electropositive Charged Filter media with Cellulose Nanofiber offers superior performance and filtration efficiency for water purification.**

NANOPURE-Plus 2.0 and NANOPURE 3.0 are manufactured from the natural substances with innovative filtration technology and strict standards to guarantee the quality of the media, health safety and conservation of the environment.

### FEATURES & BENEFITS

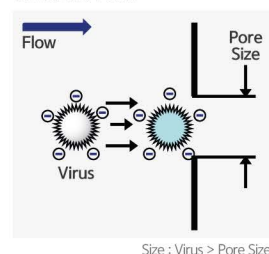
- ° High filtration efficiency and low pressure drop at high flow rate
- ° Non-woven type filter media, based on cellulose nanofiber with electropositive charge on the surface & inside its pore
- ° Removal of microorganism such as virus, bacteria and cyst
- ° Providing healthy water with essential minerals that are crucial for human health
- ° Self-supply of water and sanitation
- ° Various types of filter assembly available

### APPLICATIONS

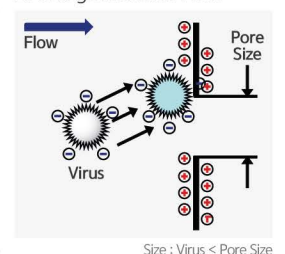
- ° Counter top & Under sink
- ° Faucet type water purifier
- ° Pre filtration of RO membrane filter
- ° Food & Beverage

#### Filteration Mechanism Comparison

##### 1. Filtrate Filter



##### 2. Charge Modified Filter





PRODUCT	BASIS WEIGHT (g/m <sup>2</sup> )	THICKNESS (mm)	MEAN PORE SIZE (μm)	CHARACTERISTICS	REMARKS
MWN 010	250	0.9	0.4	Bacteria Free Virus Free Passed by NSF 42	-
MWNC	150	0.8	0.5	Bacteria Free Virus Free Passed by NSF 42	Added Activated Carbon Powder
MWC250TD	250	0.8	0.8	Bacteria Free Virus Free Passed by NSF 42	Added Activated Carbon Powder

## PROPERTIES

### Electropositive Filter Media

Attracting electronegatively charged microbes to the positively charged surface where the microbes will irreversibly stick.

### Cellulose Nanofiber

Concerning both human health and conservation of the environment by applying eco-friendly cellulose nanofiber.

### Effective in Microbiological Filtration

Four log reduction(99.99%) observed in both bacteria and virus.

### Safety

Achieving all satisfactory results by Korea water purifier standard requirements tests & complies with FDA 21 CFR approvals.

