



**Glass Filter Media**

# **BEST FILTRATION MEDIA FOR WATER & WASTEWATER TREATMENT**





# ABOUT PURE WATER ENTERPRISES

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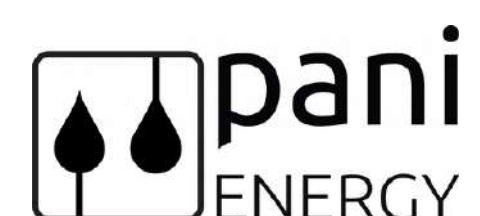
We at Pure Water Enterprises are the Indian Channel Partners for Nature Works' range of glass media products. We are a well established wastewater treatment company with more than 25 year's of experience, headquartered in Mumbai .

Our unparalleled experience in the water treatment industry comes from being leading manufacturers as well as channel partners for various technologies such as RO membranes, MBR, UF/NF membranes, ion exchange resins, etc. in India.

We work as Channel partners for various other water treatment multinationals such as Veolia (formerly Suez), Xylem, Purolite, Aquaporin, Pani Energy, etc. We understand water better than most, and our entire team works as your team to help you solve your toughest challenges.



Representing **6 Principles** and more serving more than **1,500 customers** all across India.



# ABOUT NATURE WORKS

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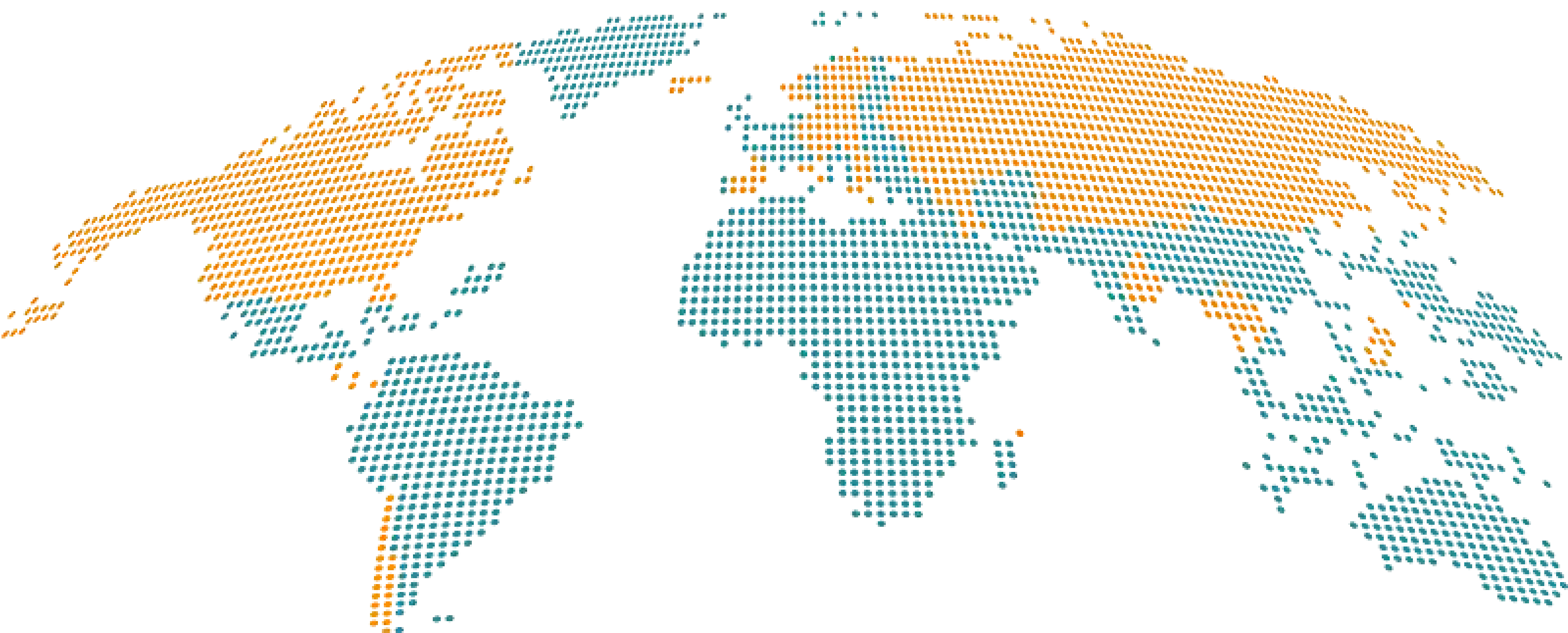
Nature Works has been at the service of efficiency and technology applied to water filtering since 2009, and can be found in home, public and industrial filtration sites around the world.

With their roots from Spain, Nature Works has been at the forefront of advancements in filtration materials, with the highest quality virgin as well as recycled glass filtration media available in the market.

Their commitment to quality is backed by industry leading certifications such as NSF and Bureau Veritas, which guarantees Nature Works product features, production processes and traceability, as well as the absence of free silica and biofilm.



Present in over **30 countries** and more than **1,50,000 filtration sites** all over the world.





# ABOUT OUR GLASS FILTRATION MEDIA

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## Hi-Tech Virgin Media

Our Hi-Tech range of glass media manufactured by Nature Works is the highest quality glass media available in markets. This media is manufactured by using recycled brand new glass, that has never been transformed nor has been in touch with urban waste

Since this media has never been contaminated or been in contact with any bacteria or impurities, we have obtained the following certifications with ease - NSF50/NSF61, Absence of Free Silica Bureau Veritas Certified, Accredited Absence of Biofilm and IFTS.

## NW40 Recycled Media

NW40 is a family of filter media based on recycled glass that has been developed for liquid filtration. Among other features, it has been purified through the most advanced ecological process and is packaged in HQ recyclable bags.

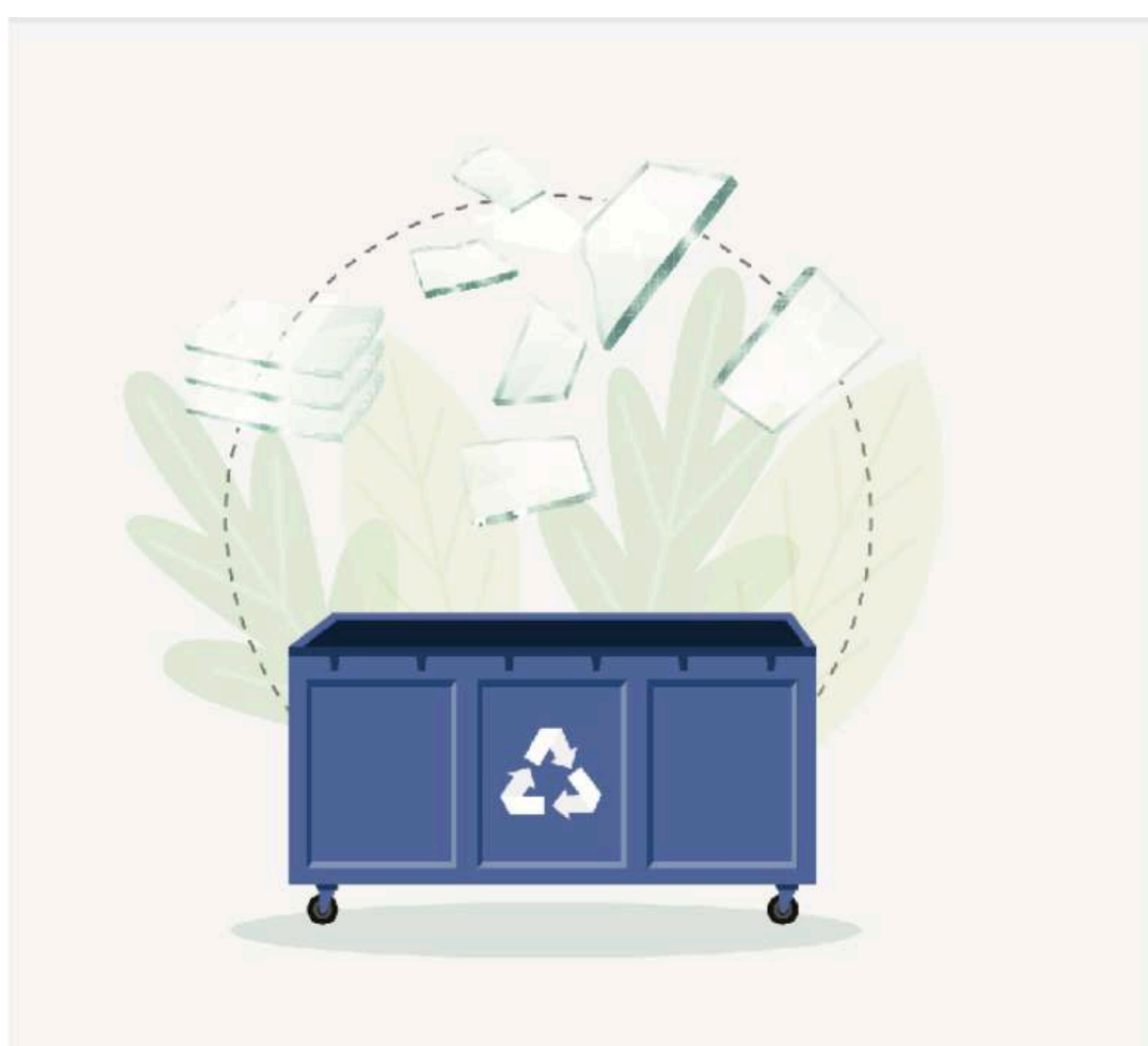
Each type of industrial filtration has different typical suspended matter with different size ranges, therefore each "Stage type" of NW40 is focused on retaining different size ranges, simultaneously optimising savings, efficiency and maximizing utility.

## ORIGINS OF OUR GLASS MEDIA OFFERINGS

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✔ **Hi-Tech Virgin Media** : Virgin glass obtained from flat glass. Bacteria & Contaminant free.

✔ **NW40 Recycled Media** : Bottles, jars, pieces of glass from urban glass banks and urban waste.







# BEST FILTRATION MEDIA FOR WATER & WASTEWATER

The efficiency of Nature Works® is based on the elimination of the most common particulate matter found in the water & wastewater effluents. This simultaneously maximizes savings and efficiency. We achieve this thanks to a highly selected grain curve and to a surface treatment technology of the grains, which allows us to avoid Biofilm, keep the microchannels open and make the media particles totally safe.

Filtration plays a big part in the hygiene and safe functioning of water & wastewater treatment plants, and Nature Works® Glass media provides the highest level of filtration to provide access to high quality water.



#### Significantly Higher Quality Water -

Provides extremely high quality outlet water, thanks to its outstanding filtration and bacteria resistance.



#### Higher Cost Savings and Low Maintenance -

Glass media enables low backwash frequency and lower chemical consumption. High filtration also extends equipment life.



#### Significant SDI & Turbidity Reduction -

High filtration capacity of the glass media enables the removal of all kinds of impurities. This means crystal clear water.



#### No Biofilm/Slime problems -

The anti-compaction technology of our media prevents channelling, which helps in preventing algae/slime formation.



99,64%

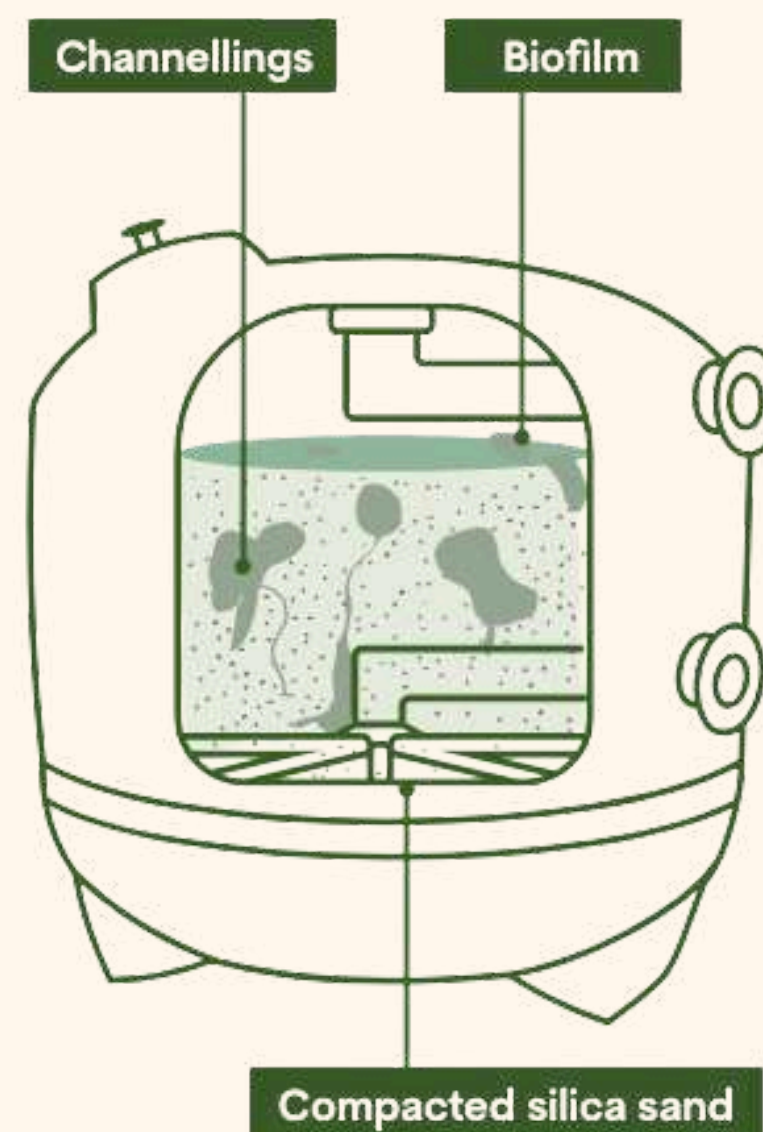
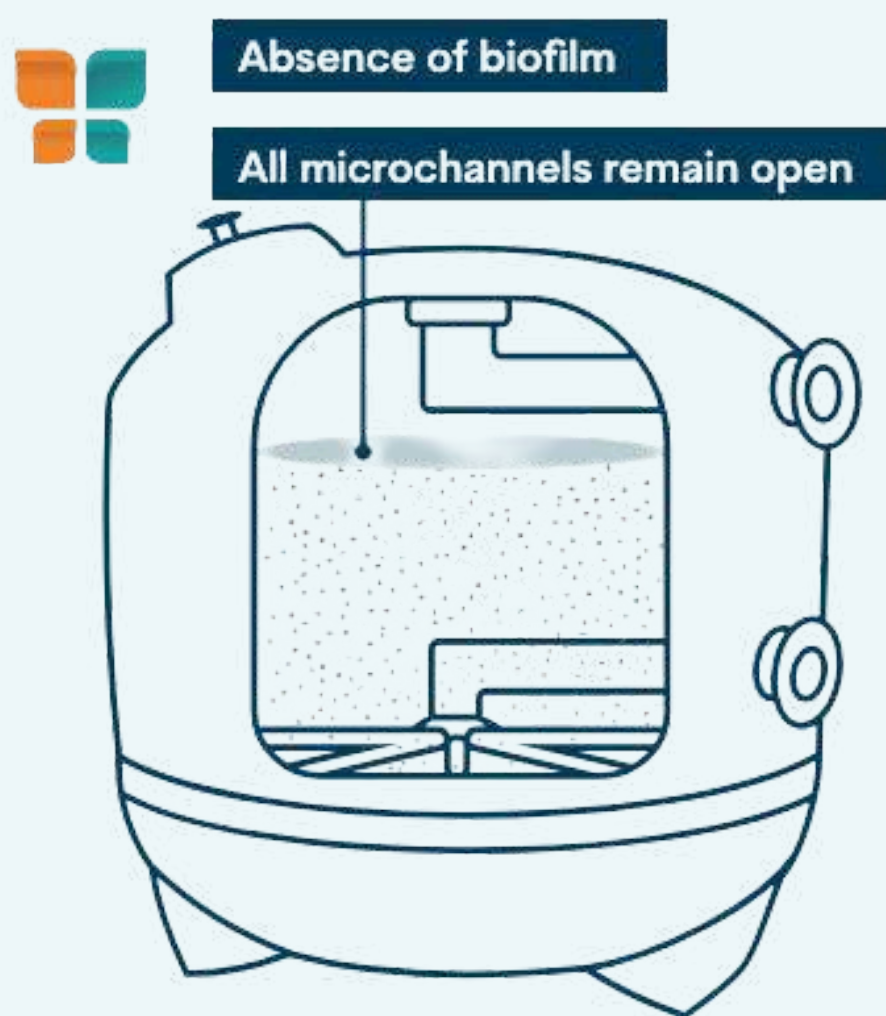
FILTRATION  
PERFORMANCE  
IFTs TESTED

IFTs TESTED FOR -  
99.64% FILTRATION OF  
ALL IMPURITIES



# ADVANTAGES OF NATURE WORKS OVER SAND/SILICA MEDIA

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## Advantages of Nature Works

- Absence of Free Silica - Bureau Veritas Certified.
- Accredited Absence of Biofilm.
- Media life more than 10 years.
- Minimum energy, chemicals and water consumptions.
- Extremely High filtration quality.
- Negligible loss of pressure.

## Disadvantages of Silica/Sand

- Free silica presence.
- Highly prone to Biofouling.
- Limited durability.
- High chemicals, water and energy consumptions
- Preferential channeling presence reduces filtration quality.
- High pump pressure required

## CERTIFIED ABSENCE OF FREE SILICA

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The crystal silica is a compound mineral that can be found in rocks and sand and may be found in filtration sand. A long term exposure to this compound could lead to various lung problems.

Free silica is considered a cancerous substance by IARC International Agency for Cancer Research).

**Nature works avoid this hazard as it has no free silica in its composition. Certified by Bureau Veritas Certification Number BV ES026775-A-CPI.**

## DURABILITY - ANTI-COMPACTION TECHNOLOGY

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Most of the filter medias available on the market come to the end of their useful life prematurely due to the effect of compaction (caking), a process where the segregation of fine and thick grains block the microchannels of the filtering mass.

In order to avoid this result, Nature works has developed the **Anti-compaction Technology**, a **precise selection of the calibre of the grain, designed to extend the life of the media indefinitely.**

## OUR CERTIFICATIONS

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**BUREAU VERITAS -**  
Fresh Water Treatment &  
Silica absence Certification



**ABSENCE OF BIOFILM -**  
Certified to not form  
Biofilms

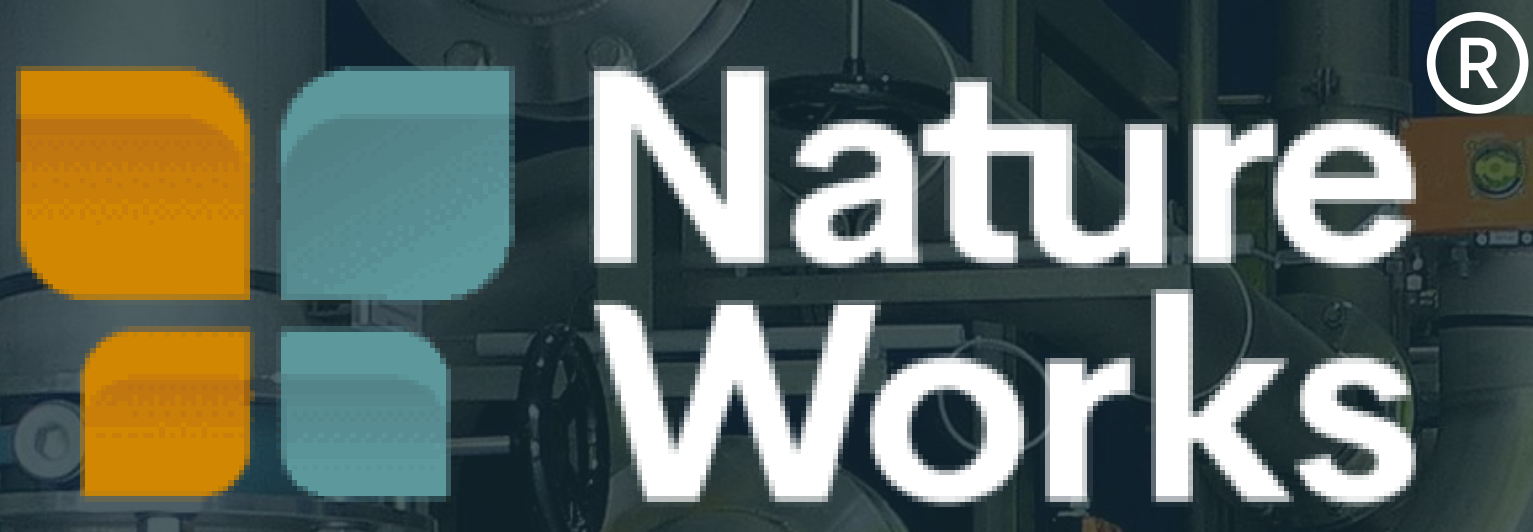


**IFTS -**  
Lab Testing Certified



**NSF 50/61 Certified -**  
For Swimming Pool/Industrial  
& Drinking Water  
Applications





PURE WATER

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