

SELF-CLEANING **EKOFIBER** SCREEN FILTER

EKOLU TECHNOLOGY

Trusted filtration systems since 1948



Filtering element



Features



Composition



SELF-CLEANING EKOFIBER FILTER



EKOFIBER FILTER FEATURES

EkoFiber is a hydraulic automatic screen filter designed to deliver continuous and reliable filtration. Its fiberglass reinforced polyester (FRP) body provides an optimal balance between structural strength and long-term stability, ensuring dependable performance and extended service life, even in outdoor installations or harsh working environments.

Its fully hydraulic design enables automatic cleaning cycles without interrupting the flow or relying on external power, which helps maintain continuous operation while reducing operating costs.

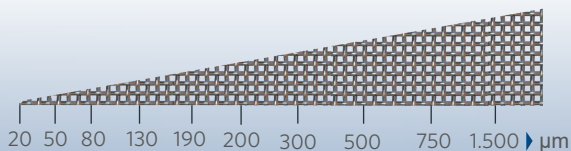
Available in **3"** and **4"** diameters, EkoFiber combines structural robustness, high hydraulic efficiency and low maintenance requirements in a compact and versatile filtration solution.



FILTERING ELEMENT

Cartridge+pre-filter configuration. The stainless-steel screen is injected into a tubular structure made of polyamide or PVC, ensuring high mechanical strength and uniform filtration across the entire surface.

For demanding applications like desalination, the screen can be manufactured in super duplex stainless steel, as this material provides superior corrosion resistance and extended durability in aggressive environments.

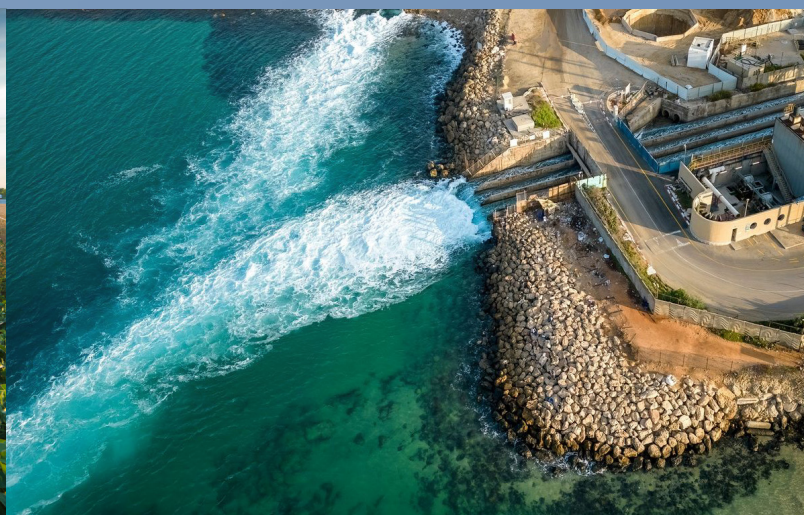


APPLICATIONS

EkoFiber is particularly suited for irrigation systems requiring stable and efficient filtration to ensure effective emitter protection. Its integrated pre-filter allows safe operation with surface water, well water or reclaimed water sources by reducing the incoming solids load.

In water treatment applications, EkoFiber provides a robust and flexible solution for industrial processes, tertiary treatment and water reuse systems.

When configured with internal components manufactured in super duplex stainless steel, the filter can operate in highly aggressive water conditions, such as saline water or streams with high chloride concentrations.



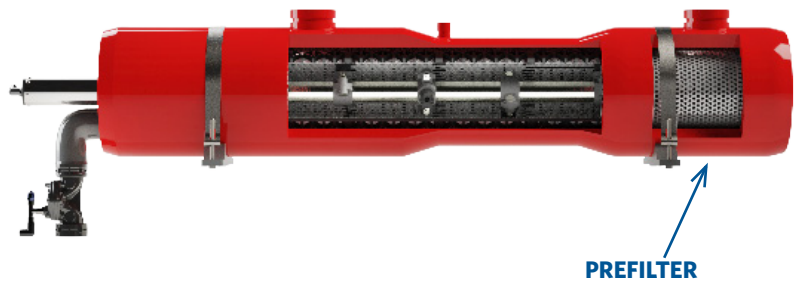
EKOFIBER FILTER COMPOSITION

Ekofiber incorporates a pressure vessel manufactured from FRP, engineered with specific liner-type layers that enhance its mechanical performance and ensure excellent dimensional stability.

This design, together with its high resistance to UV radiation, allows the filter to maintain its structural integrity and operational performance in outdoor installations and highly corrosive environments.

The system includes an integrated pre-filtration stage acting as a first retention barrier, removing coarse solids before they reach the main filtering element. This configuration reduces the solids load on the screen, limits pressure losses and optimizes both the efficiency and frequency of the cleaning cycles.

Ekofiber can be supplied as a single unit or integrated into modular skid assemblies, enabling compact installations, simplified future expansion and efficient management of flow distribution and backwashing cycles.



Modular skid configuration to increase flow capacity and filtration surface area

OUR LAMA PRODUCTS ARE AVAILABLE GLOBALLY



SALES AND TECHNICAL SUPPORT



Laboratory R&D
Technology and Innovation



User Manual
Available on Our Website



Quality Controls
On All Our Products



by
h₂O
innovation®

CANADA

330 rue St-Vallier E., Suite 340, Quebec City, QC, G1K 9C5, Canada Tlf. (+1) (418) 688-0170 - sales.lama@h2oinnovation.com

SPAIN

Calle Artesanía 1-3-5, Polígono Industrial Guadalquivir, 41120 Gelves (Sevilla) Spain - Telf. (+34) 955 77 77 10 - sales.lama@h2oinnovation.com

TUNISIE - tunisie.lama@h2oinnovation.com

ITALIA - italia.lama@h2oinnovation.com

FRANCE - france.lama@h2oinnovation.com

PORTUGAL - portugal.lama@h2oinnovation.com

CHILE - chile.lama@h2oinnovation.com

MÉXICO - mexico.lama@h2oinnovation.com

PERÚ - peru.lama@h2oinnovation.com