



FilterMax

Housings for filter cartridges

Model: FilterMax FMX

FilterMax housing and filtration cartridges

The market is now saturated with *standard*, poor quality filter cartridges of dubious origin, produced by companies with limited expertise and marketed to resellers, water treatment plant manufacturers and end-users at very low prices.

In particular, filter cartridges are marketed to retailers, installers, and end users at lower prices, which consistently take customers away from water treatment plant manufacturers by preventing them from getting a fair economic return from selling filter cartridges on their systems.

Everblue has been studying, designing and manufacturing housings filter cartridge and related filter elements in Italy since 2001 using top-quality European materials. High quality standards respected and guaranteed at all stages ensure innovative and reliable products.

FilterMax housings and filter cartridges represent, technically and economically, the best solution available on the market for the construction of high flow filtration systems as pretreatment of reverse osmosis plants.

Their uniqueness represents a natural trade protection from the attacks of standard products and their undisputable quality always ensures better performance than any other alternative.



the cheapest
filtration system
for high flow rate

FilterMax housings

FilterMax housings are produced in two different heights:

FilterMax housings guarantee:



High flow

Products with lengths (1x13" and 1x20"), diameters (6") and connections (2" / 3") such as to ensure flow rates from 18 m³/h to 27 m³/h



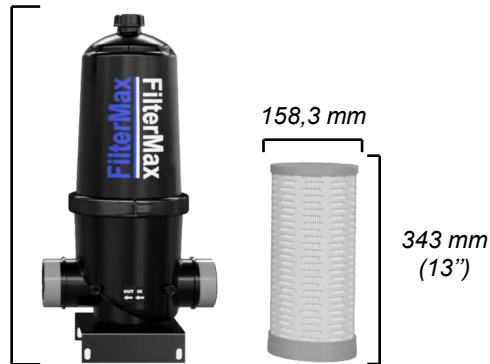
High pressure resistance

Possibility to operate up to 6 bar

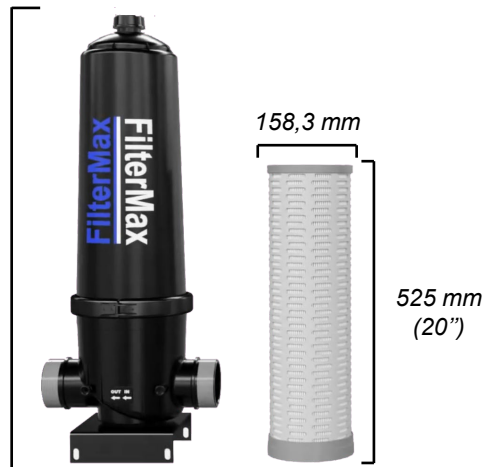


Absolute corrosion resistance

Durability guarantee in seawater filtration



FilterMax 1x13"
Contains 1 cartridge of 13"
Flow rate up to 18 m³/h



FilterMax 1x20"
Contains 1 cartridge of 20"
Flow rate up to 27 m³/h

FilterMax: operating

- 1 The water to be filtered enters through the inlet of the **FilterMax** container without impacting directly on the filter cartridge body, thanks to internal housing geometry.



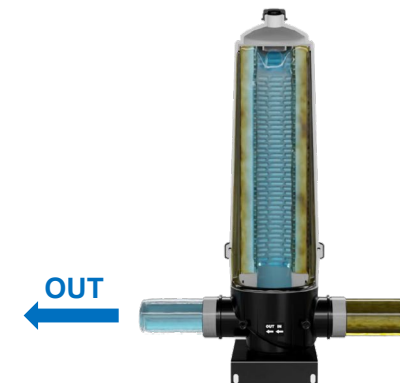
- 2 The water is distributed as shown, evenly over the entire surface of the filter cartridge, ensuring a constant filtration efficiency over time.



- 3 The water then passes from the outside to the inside of the filter cartridge that in this way will retain the foreign particles and suspended solids contained in it.



- 4 Once the water has finished its path inside the **FilterMax** container and its cartridge, it is free to flow through the fully purified and filtered outlet cap.



FilterMax: quick and easy cartridge replacement

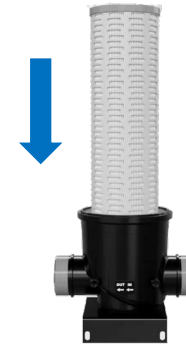
A Open the clamping flange of the **FilterMax** housing:



B Completely remove the lid of the **FilterMax** housing :



C Insert the desired cartridge into the body of the **FilterMax** housing :



D Reinsert the lid into the **FilterMax** housing and make sure to close the clamping flange:



*The extraction of the cartridge from the **FilterMax** container takes place by performing the operations in reverse with respect to insertion. Inserting and removing the cartridge is very easy and takes only a couple of minutes.*

Why choose FilterMax?

Uniqueness

FilterMax housings are **unique** products because:

- They are the combination of the best technologies currently available on the market.
- They are made to be fitted 3 types of cartridges (depth, pleated and washable).
- They are produced in 2 different heights that are easily assembled into batteries with special assembly kits (frame and manifolds).



Simplicity

FilterMax housings are **easy** to use:

- A single operator opens and closes the FilterMax container manually in a few minutes.



Why choose FilterMax: modularity

FilterMax housings and cartridges allow the construction of ideal **modular** batteries to meet all flow rates at reduced costs.



FilterMax
1-2RS
Flow rate up to 54 m³/h



FilterMax
1-3RS
Flow rate up to 81 m³/h



FilterMax
1-4RS
Flow rate up to 108 m³/h

FilterMax filtration cartridges

FilterMax filtration cartridges are made in three different version to meet all filtration requirements:

Depth filtration cartridges

NP95MX

Polypropylene Melt Blown



High filter volume

High loading capacity of particles with heterogeneous size

Pleated filtration cartridges

PP95MX

Polypropylene Pleated



High filter surface

High loading capacity of particles with homogeneous size

Washable filtration cartridges

TPL95MX

Pleated Polyester Net
TekBlue



Washable

High particle loading capacity with possibility of reuse



FilterMax filtration cartridges guarantee:



Long life

The high filtering surface/volume allows a significant storage capacity of suspended solids that is equivalent to a long service life and a consequent reduction in operating costs



High flow

The large surface/volume allows high flow rates to be treated using filter housings and batteries having small footprints




High efficiency

The high particle removal efficiency of the filter septa enables the production of quality water for all usage needs

FilterMax NP95MX depth filtration cartridges

Depth filtration cartridges

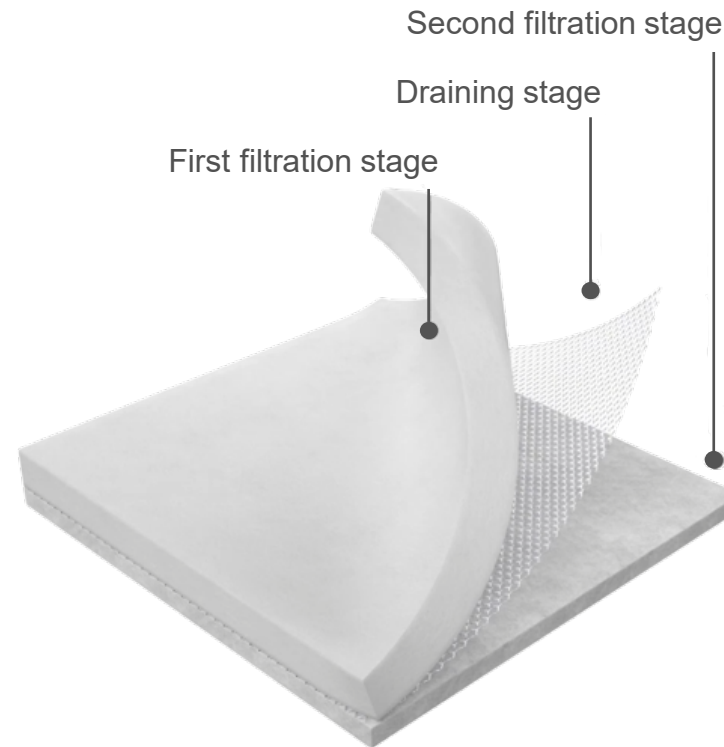
NP95MX
Polypropylene Melt Blown



double gradient

High filter volume

High loading capacity of particles with heterogeneous size



The **FilterMax NP95MX** cartridges are made of extruded polypropylene with internal support and rigid molded polypropylene terminals.

The **FilterMax NP95MX** cartridges guarantee very high load capacity thanks to the **double gradient** double filtering layer.

The first layer accumulates the coarsest particles while the second layer performs the final finishing by retaining the smaller particles.

These cartridges are ideal for treating non-refined water with high presence of suspended solids (up to a maximum of 1 ppm TSS) with heterogeneous particle distribution.

FilterMax NP95MX cartridges are produced in the following filtration grades: 1-10 μ , 5-20 μ , 20-50 μ , 50-90 μ with 95% removal efficiency (99.98% absolute on request).

FilterMax PP95MX pleated filtration cartridges

Pleated filtration cartridges

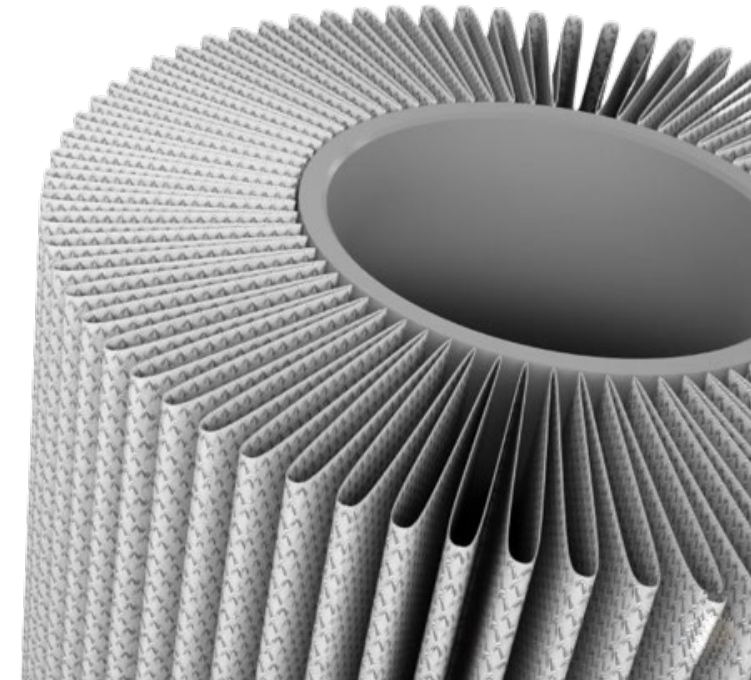
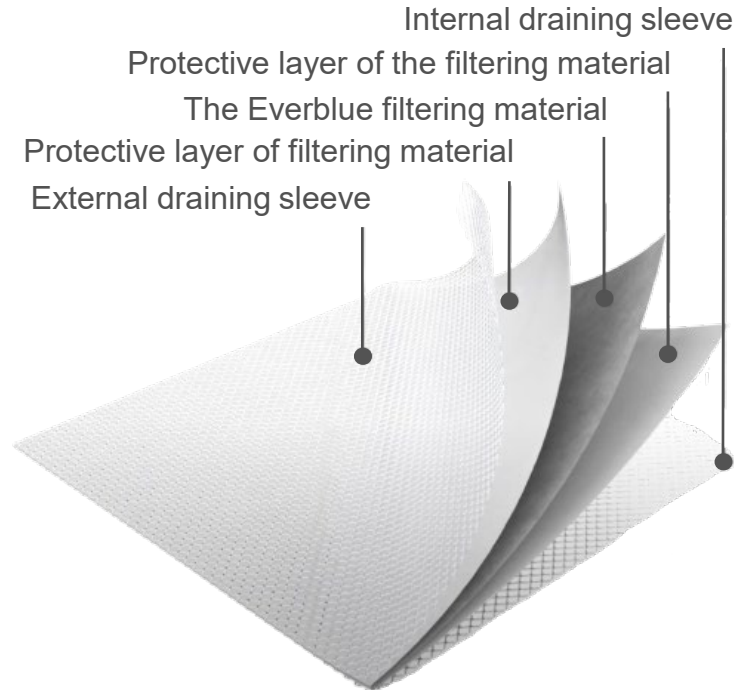
PP95MX
Polypropylene Pleated



5 Layers

High filter surface

High loading capacity of particles with homogeneous size



FilterMax PP95MX cartridges consist of: 3-layer polypropylene filtering septum supported by an external PP drainage net and an internal PP drainage net (**5 Layers** filtering system); internal support and moulded rigid polypropylene terminals. The external drainage net of the **5 Layers** filter system prevents the crease from closing due to the increase in pressure due to the dirty filter material, always ensuring the constant outflow of filtered water towards the internal support of the cartridge.

FilterMax PP95MX cartridges, thanks to the special filter system **5 Layers**, guarantee a longer life compared to the normal filter cartridges on the market having the same surface.

These cartridges are ideal for the final finishing of water containing homogeneous particle sizes (up to a maximum of 1 ppm TSS).

FilterMax PP95MX cartridges are produced in the following filtration grades: 1, 5, 10, 20, 50 μ with 95% removal efficiency (99.98% absolute on request).



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FilterMax TPL95MX washable filtration cartridges

Washable filtration cartridges

TPL95MX
Pleated Polyester Net
TekBlue



500 CLEANING GUARANTEED

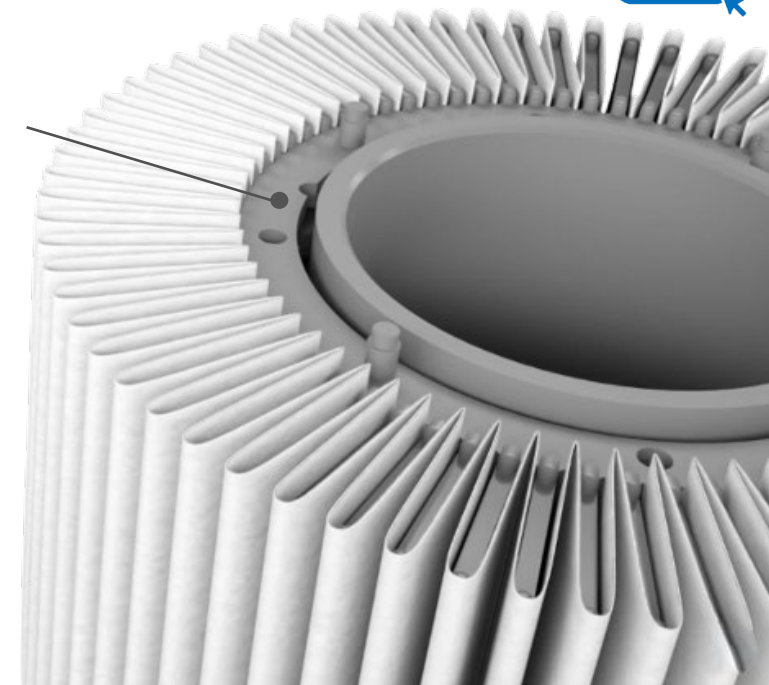
filstar
inside
PATENTED

Washable

High particle loading capacity with possibility of reuse




Rigid polypropylene structure
filstar inside
PATENTED



The **FilterMax TPL95MX** cartridges consist of: moulded rigid internal support, moulded rigid polypropylene terminals and **TekBlue** pleated polyester mesh filtering panel coupled to a PP drainage net. The two nets are always kept perfectly open and in place by a special rigid polypropylene structure: the system **filstar** inside

The system **filstar** inside prevents the closing of the fold due to the increase in pressure as a result of the dirty filter material, always ensuring the constant outflow of filtered water to the inside of the cartridge. Also the rigidity of the folds guaranteed by system **filstar** inside allows easy and effective washability even with low pressure water jets (suggested pressure 2 bar – max 3 bar).

FilterMax TPL95MX cartridges, with patented system **filstar** inside and **TekBlue** filter net, **are guaranteed to be washed at least 500 times**, thus allowing a very high cost savings.

These cartridges are ideal for the filtration of water that has a high presence of suspended solids (up to a maximum of 1 ppm TSS) with a heterogeneous distribution of particles.

FilterMax TPL95MX cartridges are produced in the following filtration grades: 20, 50 µ with 95% removal efficiency.

More info



Data Sheet
FilterMax



Video
FilterMax



Case History
FilterMax

Company authorized to the use of the brand



Contact Us



Everblue

Via Alberto Zanrè, 16 - Loc. Gotra 43051 Albareto (PR)

www.everblue.it

[+3905251920100](tel:+3905251920100)

info@everblue.it

