



Everblue

Information brochure
FilterMax – Housings and cartridges

FilterMax housings and filtration cartridges

EVERBLUE produces unique extremely high-quality cartridges and filter housings that are absolutely one of their kind.

FilterMax housings and filtration cartridges meet all the flow rate requirements thanks to their modularity and versatility.

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.

These companies or their retailers constantly steal customers from water treatment plant manufacturers, preventing them from having a fair financial income by selling filter cartridges through their systems.

FilterMax containers and filter cartridges represent, technically and financially, the best solution available on the market for the construction of high flow filtration plants (starting at 18 m³/h).

Their uniqueness represents a natural trade protection from the attacks of standard products.

Their undisputable quality always ensures better performance than any other alternative.

FilterMax containers and filter cartridges offer 3 great benefits:

- Perfect modularity = one type of filter for all the flow rates
- Minimum installation space = more compact and simple to handle
- Low investment costs = greater competitiveness



FilterMax housings

FilterMax containers, made exclusively with high quality European raw materials, guarantee:

- high pressure resistance = possibility to operate up to 8 bar
- absolute corrosion resistance = guaranteed long life also in sea water filtration

FilterMax housings are produced in two different lengths:

- FilterMax 1X13" contains 1 cartridge of 13"
- FilterMax 1X20" contains 1 cartridge of 20"

The FilterMax containers can be mounted easily and quickly in filtration batteries suited to meet all the flow rate requirements..

The housings model FilterMax are made with high quality PA (glass fiber reinforced) to ensure perfect performances.

The FilterMax housings warrant as well as a high quality:

- High flow rate
- Corrosion resistance (ideal for sea water application)
- Easy installation
- Easy cartridges replacement
- Modularity
- Small footprint

*the most economic
filtration system
for high flows*



FilterMax filtration cartridges

FilterMax filtration cartridges, produced with high quality materials and certified for food manufacturing guarantee:

- long life = significant reduction of operating costs for the plant
- high flow = reduced size and quantity of containers (reduced dimensions)
- high efficiency = high quality of filtered water

FilterMax filtration cartridges are made in 3 different versions to meet all filtration requirements.

Type of cartridges FilterMax

External diameter : 160 mm

Internal diameter : 70 mm

Height : 13" – 20"



TPL
WASHABLE NET

filstar
inside



PP
PLEATED

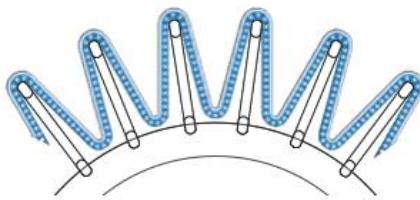
5 Layers



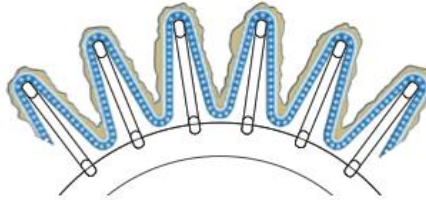
PP
MELT BLOWN

2 double gradient

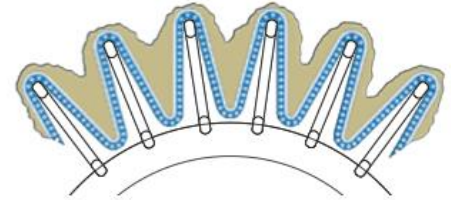
**IL SISTEMA DI FILTRAZIONE CON SUPPORTO FILSTAR
FILSTAR INSIDE FILTRATION SYSTEM**



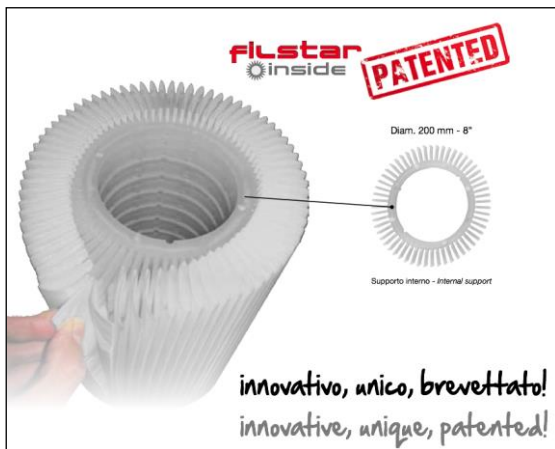
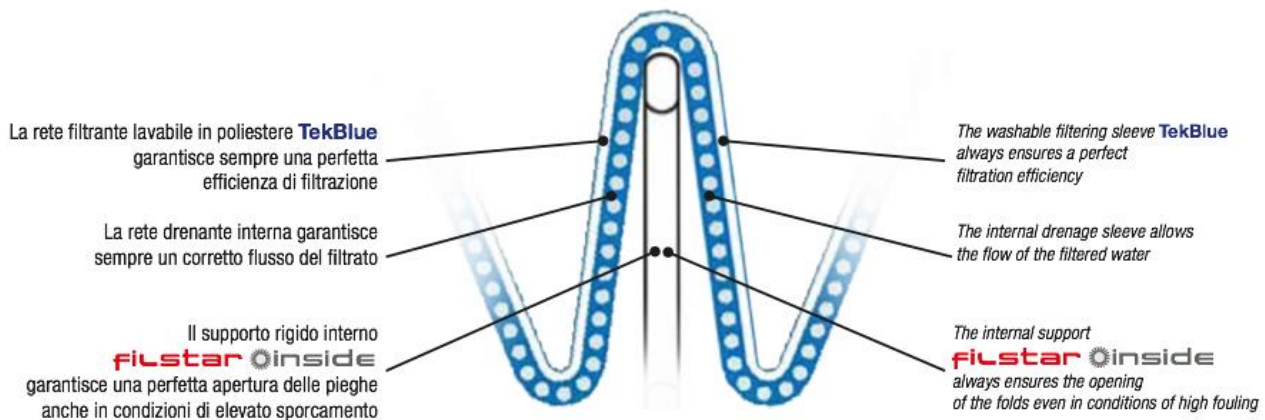
Cartuccia pulita
Clean cartridge



Cartuccia con deposito
Cartridge with deposit



Cartuccia con elevato deposito
Cartridge with a high deposit



FilterMax TPL95MX cartridges are produced with pleated polyester mesh.

The **FilterMax TPL95MX** cartridges are made with a **TekBlue** pleated polyester mesh filter together with a drainage mesh in PP.

Both meshes are kept perfectly open and in place by a special rigid polypropylene structure: the **filstar inside** system.

When the pressure increases because of the augmented filth inside the filtering material, the **filstar inside** system prevents the fold from closing and guarantees the

constant outflow of the filtered water towards the inner support of the cartridge. Moreover, the stiffness of the folds guaranteed by the **filstar inside** system allows easy and effective washability even with low pressure water jets (recommended pressure 2 bar - max 3 bar).

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

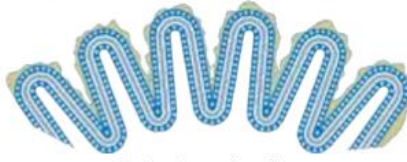
These cartridges are ideal for use in filtration of water with a high presence of suspended solids (up to a maximum of 2 ppm TSS) with a heterogeneous distribution of particles.

(For more detailed information, see TECHNICAL MANUAL - FILTRATION)

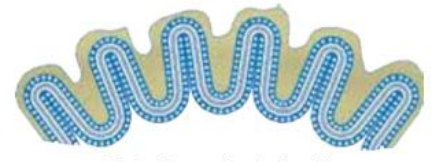
IL SISTEMA DI FILTRAZIONE A 5 STRATI 5 LAYERS FILTRATION SYSTEM



Cartuccia pulita
Clean cartridge



Cartuccia con deposito
Cartridge with deposit



Cartuccia con elevato deposito
La rete drenante interna garantisce sempre il flusso del filtrato anche in condizioni di elevato deposito (alto delta P)

Cartridge with a high deposit
The internal drainage sleeve ensures the filtered stream even in conditions of high deposit (high delta P)

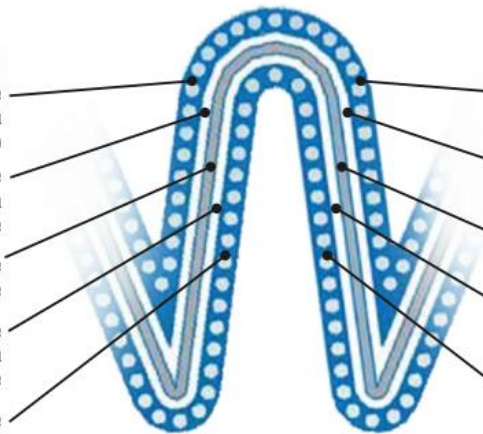
La rete drenante esterna assicura sempre l'alimento all'interno di ciascuna piega anche in condizioni di elevato sporcamento

Gli strati protettivi del materiale filtrante garantiscono una elevata resistenza meccanica del setto di filtrazione

L'elemento filtrante EVERBLUE garantisce sempre una perfetta efficienza di filtrazione

Gli strati protettivi del materiale filtrante garantiscono una elevata resistenza meccanica del setto di filtrazione

La rete drenante interna impedisce la chiusura completa della piega garantendo sempre il flusso del filtrato



External draining sleeve always ensures the feed within each fold even in conditions of high fouling

Protective layers of filtering material guarantee a high mechanical resistance of the filtration media.

The EVERBLUE filter element guarantees always a perfect filtering efficiency

Protective layers of filtering material guarantee a high mechanical resistance of the filtration media

The internal drainage sleeve prevent the full closure of the fold always guaranteeing the flow

FilterMax PP95MX5L cartridges are produced using pleated polypropylene.

The **FilterMax PP95MX5L** cartridges are made with a 3-layer polypropylene filter set supported by an external drainage mesh in PP and an internal drainage mesh always in PP (**5 Layers** Filter System).

The internal support and terminals are made of rigid molded polypropylene.

The external drainage mesh of the **5 Layers** filtering system can always ensure the water supply within each fold also with high fouling.

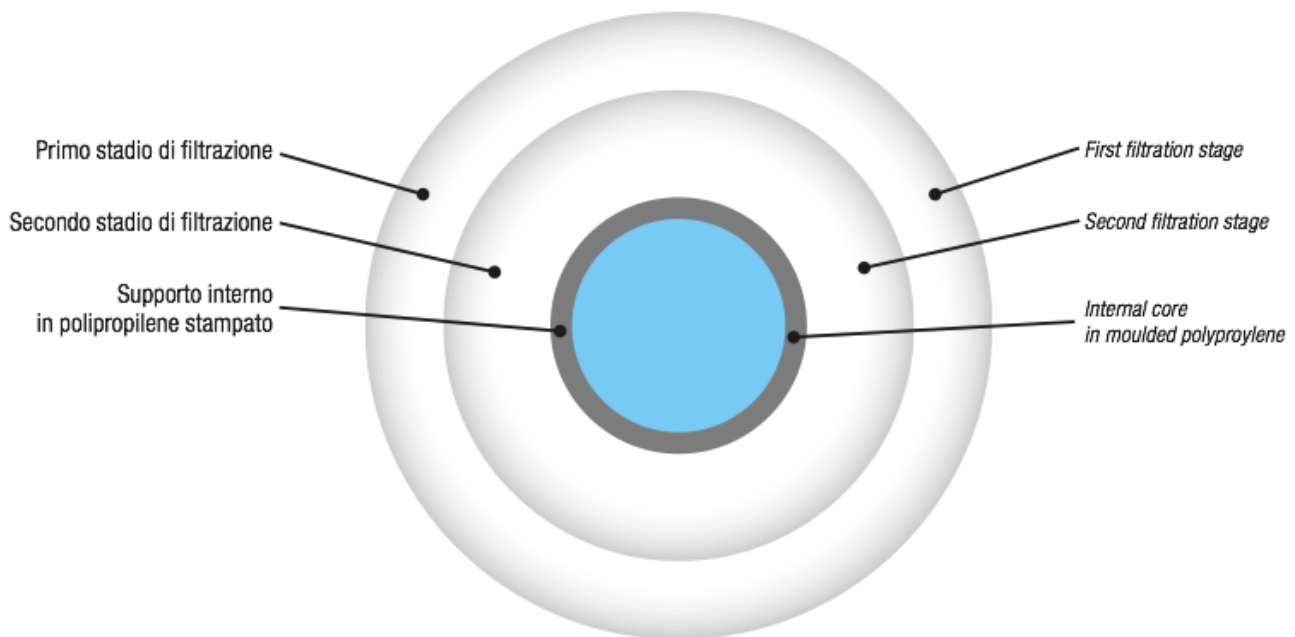
The internal drainage mesh of the **5 Layers** filtering system prevents the fold from closing when the pressure increases because of the filth on the filtering material. This will always guarantee the constant outflow of the filtered water towards the inner support of the cartridge.

Thanks to the special **5 Layers** filtering system, the **FilterMax PP95MX5L** cartridges guarantee a longer life compared to standard filter cartridges on the market with the same filtering surface.

These cartridges are ideal for final finishing of water containing particles with homogeneous dimensions.

(For more detailed information, see TECHNICAL MANUAL - FILTRATION)

IL SISTEMA DI FILTRAZIONE A DOPPIO GRADO THE DOUBLE GRADIENT FILTRATION SYSTEM



The **FilterMax N95MX** cartridges are made of extruded polypropylene with internal support and rigid molded polypropylene terminals.

The **FilterMax N95MX** 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 1 ppm TSS) with heterogeneous particle distribution.

(For more detailed information, check the TECHNICAL MANUAL - FILTRATION)

Simplicity

FilterMax housings and cartridges are very easy to use:

- a single operator opens and closes the **FilterMax** container manually in a few minutes
- the **FilterMax** filtration cartridges are inserted and removed quickly by coupling to one another thanks to the appropriate bayonet attachment.

FilterMax products are designed to be used with no chance of making mistakes during installation and operation.

(Watch our videos on our website www.everblue.it)

Modularity

FilterMax housings and cartridges allow the construction of ideal modular batteries to meet all flow rates at a very low cost.



FilterMax
1-2RS



FilterMax
1-3RS



FilterMax
1-4RS

Uniqueness

FilterMax housings and cartridges are unique products since all materials used for their construction and the technical solutions contained are the combination of the best technologies currently available on the market.

Economical

FilterMax containers and cartridges combine high quality with extraordinary price competitiveness and this makes them extraordinary compared to competitive products.



Company authorized to the use of the brand

