

**Information brochure**  
**FilterBlue Maxi – Housings and cartridges**

## FilterBlue Maxi housings and filtration cartridges (BL)

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

FilterBlue Maxi 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.

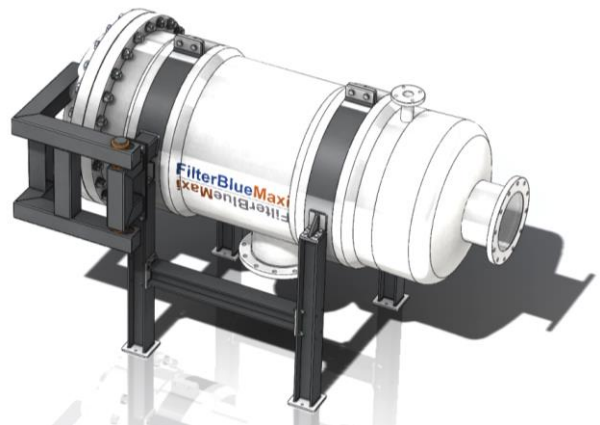
**FilterBlue Maxi containers and its filter cartridges (BL) represent , technically and financially, the best solution available on the market for the construction of high flow filtration plants.**

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

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

FilterBlue Maxi containers offer 3 great benefits:

- Easy maintenance and replacement cartridges = **save time**
- Minimum installation space = **more compact and simple to handle**
- Made exclusively in fiberglass FRP = **certified high quality**



## FilterBlue Maxi housings

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

- high pressure resistance = possibility to operate up to 6 bar
- absolute corrosion resistance = guaranteed long life also in sewage filtration

FilterBlue Maxi containers are produced in four different lengths:

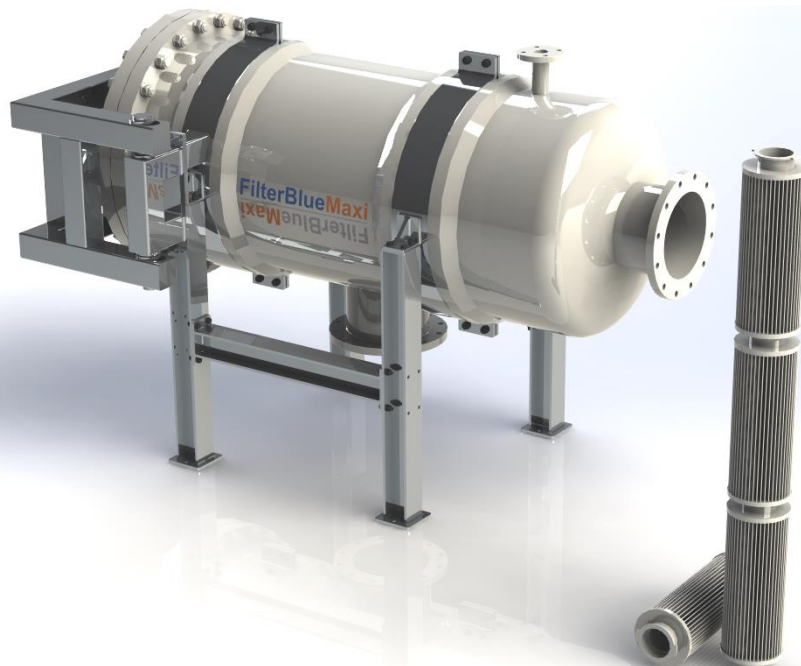
- FilterBlue 12X20" contains 12 cartridges of 20" (flow rate 216 m<sup>3</sup>/h)
- FilterBlue 21X20" contains 21 cartridges of 20" (flow rate 318 m<sup>3</sup>/h)
- FilterBlue 39X20" contains 39 cartridges of 20" (flow rate 702 m<sup>3</sup>/h)
- FilterBlue 57X20" contains 57 cartridges of 20" (flow rate 1026 m<sup>3</sup>/h)

The containers are also available in ASME design version.

The housings model FilterBlue Maxi are made with high quality materials to ensure perfect performances warrant as well an excellent quality:

- high flow rate
- high pressure resistance
- vacuum resistant
- easy installation
- easy substitution of cartridges
- small footprint thanks to modular installation
- compact in size despite high flow rate

high flow rate



## FilterBlue Maxi and filtration cartridges (BL)

FilterBlue Maxi 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 high filtering surface
- high efficiency = high quality of filtered water

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

### Type of cartridges for housing FilterBlue Maxi

- Inner diameter : 90 mm
- External diameter : 200 mm
- Height : 20"

*TPL -Washable sleeve  
Pleated Polyester Net*



**filstar**  
inside

*PP95  
Polypropylene Pleated*



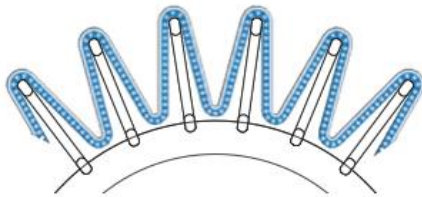
**5** Layers

*N95  
Polypropylene Melt Blown*

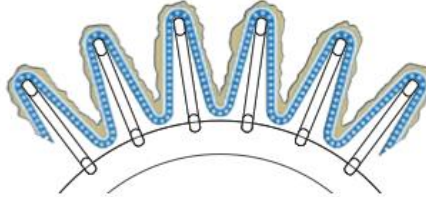


**2** double  
gradient

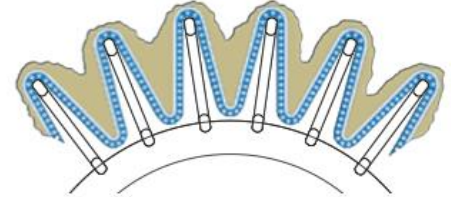
**IL SISTEMA DI FILTRAZIONE CON SUPPORTO FILSTAR**  
**FILSTAR INSIDE FILTRATION SYSTEM**



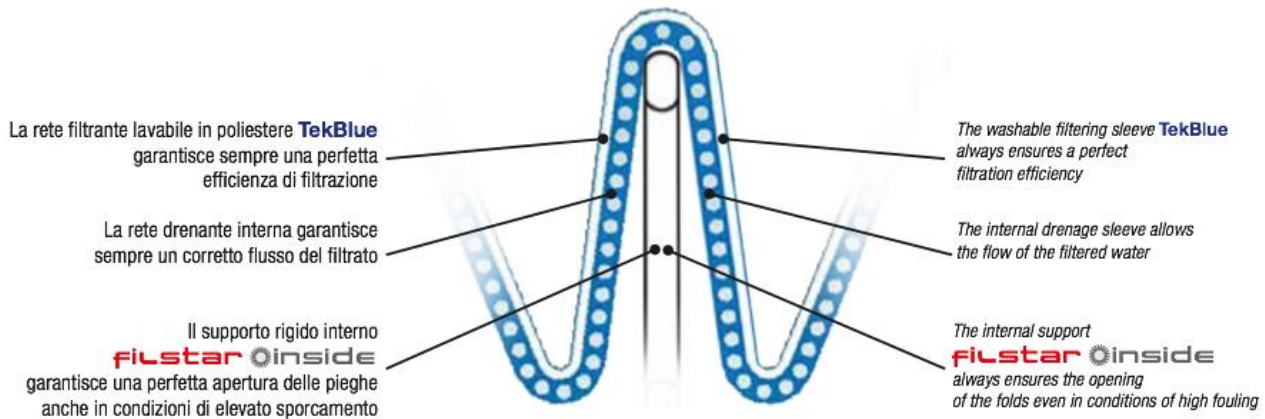
Cartuccia pulita  
Clean cartridge



Cartuccia con deposito  
Cartridge with deposit



Cartuccia con elevato deposito  
Cartridge with a high deposit



**FilterBlue TPL95BLF** cartridges are produced with pleated polyester mesh.

The **FilterBlue TPL95BLF** 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 **FilterBlue TPL95BLF** 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.

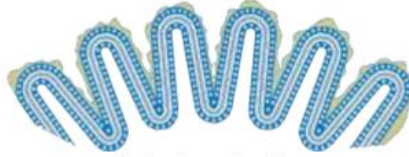
These cartridges are ideal for use in filtration of water with a high presence of suspended solids (up to a maximum of 2 ppm TSS) with a heterogeneous distribution of particles.

*(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)*

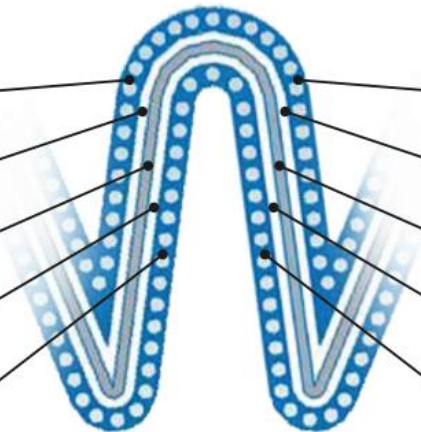
La rete drenante esterna assicura sempre l'alimento all'interno di ciascuna piega anche in condizioni di elevato sporcamento

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

**FilterBlue PP95BL5L** cartridges are produced using pleated polypropylene.

The **FilterBlue PP95BL5L** 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.

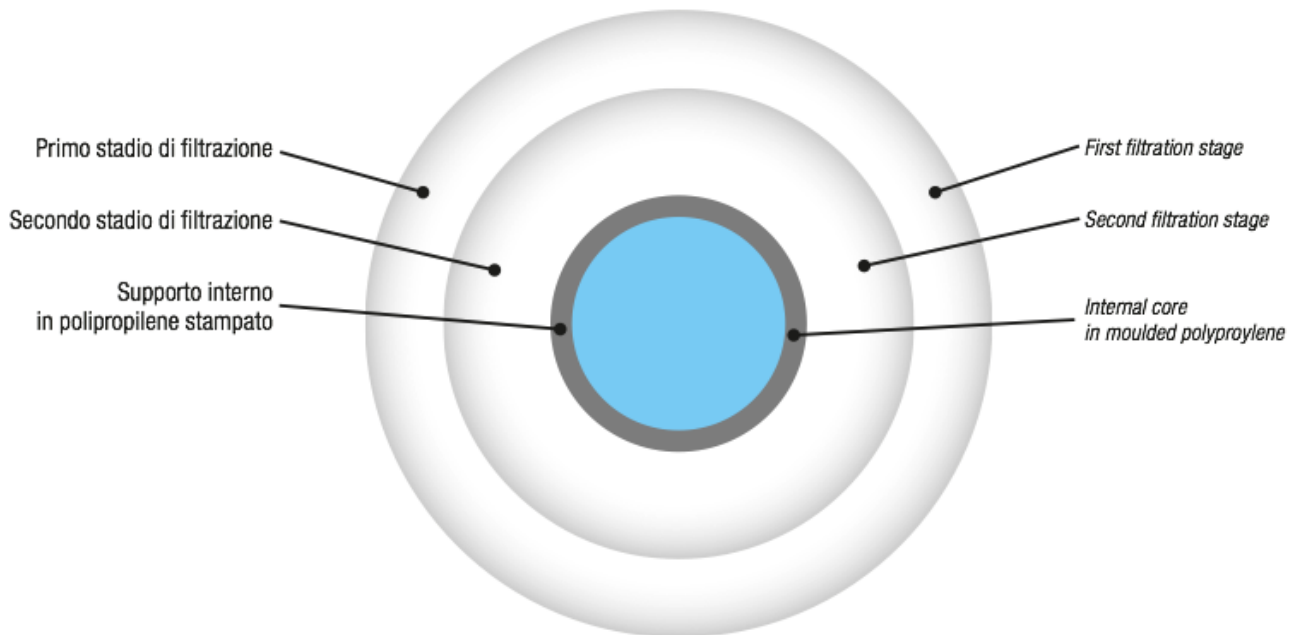
The internal drainage mesh of the **5 Layers** filtering system prevents the fold from closing when the pressure increases because of the filth on the filtering material. This will always guarantee the constant outflow of the filtered water towards the inner support of the cartridge.

Thanks to the special **5 Layers** filtering system, the **FilterBlue PP95BL5L** 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 **FilterBlue N95BL** cartridges are made of extruded polypropylene with internal support and rigid molded polypropylene terminals.

The **FilterBlue N95BL** 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**

**FilterBlue Maxi** housings and its cartridges are very easy to use:

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

**FilterBlue Maxi** product is designed to be used with no chance of making mistakes during installation and operation.

## **Customized Housings and cartridges**

**FilterBlue Maxi** housings and its cartridges can be customized depending on clients requests.

## **Uniqueness**

**FilterBlue Maxi** housings and its 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.



*Company authorized to the use of the brand*



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