



# FilterBlanc

**Housings for filter cartridges**

**Model: FilterBlanc FBC**

# FilterBlanc 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.

**FilterBlanc** 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.

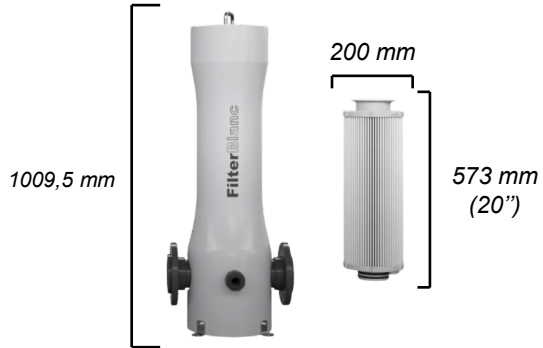
Their uniqueness represents a natural trade protection from the attacks of standard products and their undisputable quality always ensures better performance than any other alternative.



high flow rate in small footprint

# FilterBlanc housings

FilterBlanc housings are produced in two different heights:



**FilterBlanc 1x20"**  
Contains 1 cartridges of 20"  
Flow rate up to 18 m<sup>3</sup>/h



**FilterBlanc 2x20"**  
Contains 2 cartridges of 20"  
Flow rate up to 36 m<sup>3</sup>/h

FilterBlanc housings guarantee:



## High flow

*Products with lengths (1x20" and 2x20"), diameters (8"- 200mm) and connections (3"- DN80) such as to ensure flow rates from 18 m<sup>3</sup>/h to 36 m<sup>3</sup>/h*



## High pressure resistance

*Possibility to operate up to 10 bar*



## Absolute corrosion resistance

*Made with plastics (heads) and fiberglass (body) of absolute quality.*

# FilterBlanc: operating

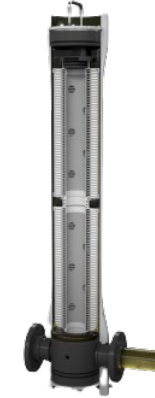
- ① The water to be filtered enters through the inlet of the **FilterBlanc** container without impacting directly on the filter cartridge body, thanks to the special shape of the outlet cap:



- 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.

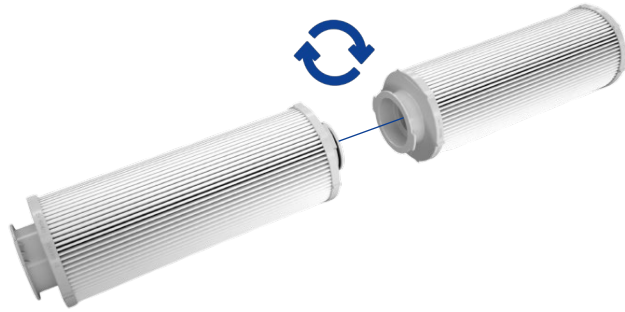


- ④ Once the water has finished its path inside the **FilterBlanc** container and its cartridges, it is free to flow through the fully purified and filtered outlet cap.



# FilterBlanc: quick and easy cartridge replacement

- A** Insert the **FilterBlanc** cartridges one on top of the other, then rotate clockwise until the end of the stroke:



- B** Insert the complete handle into the cartridge block, then turn clockwise until the end of the stroke:



- C** Insert the cartridge block, complete with handle, into the body of the **FilterBlanc** container (1). Next, Insert the closure cap into the body of the container **FilterBlanc**, insert the 3 tightening rings, then insert and screw the fixing screws (2). The filtered water outlet cap always remains fixed on the container:



*The cartridges are extracted from the **FilterBlanc** container by performing the reverse operations with respect to insertion. Inserting and removing cartridges is very easy and takes only a couple of minutes.*

# Why choose **FilterBlanc**?

## Uniqueness

**FilterBlanc** 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

**FilterBlanc** housings are **easy** to use:

- A single operator opens and closes the **FilterBlanc** container manually in a few minutes.
- The **FilterBlanc** filter cartridges are quickly inserted and removed by quick coupling with each other thanks to the bayonet connection.



## Why choose **FilterBlanc**: modularity

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



**FilterBlanc**  
FBC-2RS  
Flow rate up to 72 m<sup>3</sup>/h



**FilterBlanc**  
FBC-3RS  
Flow rate up to 108 m<sup>3</sup>/h



**FilterBlanc**  
FBC-4RS  
Flow rate up to 144 m<sup>3</sup>/h



# FilterBlanc filtration cartridges

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

## Depth filtration cartridges

### N95BL

Polypropylene Melt Blown



High filter volume

High loading capacity of particles with heterogeneous size

## Pleated filtration cartridges

### PP95BL

Polypropylene Pleated



High filter surface

High loading capacity of particles with homogeneous size

## Washable filtration cartridges

### TPL95BL

Pleated Polyester Net  
TekBlue



Washable

High particle loading capacity with possibility of reuse



FilterBlanc 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*



# FilterBlanc N95BL depth filtration cartridges

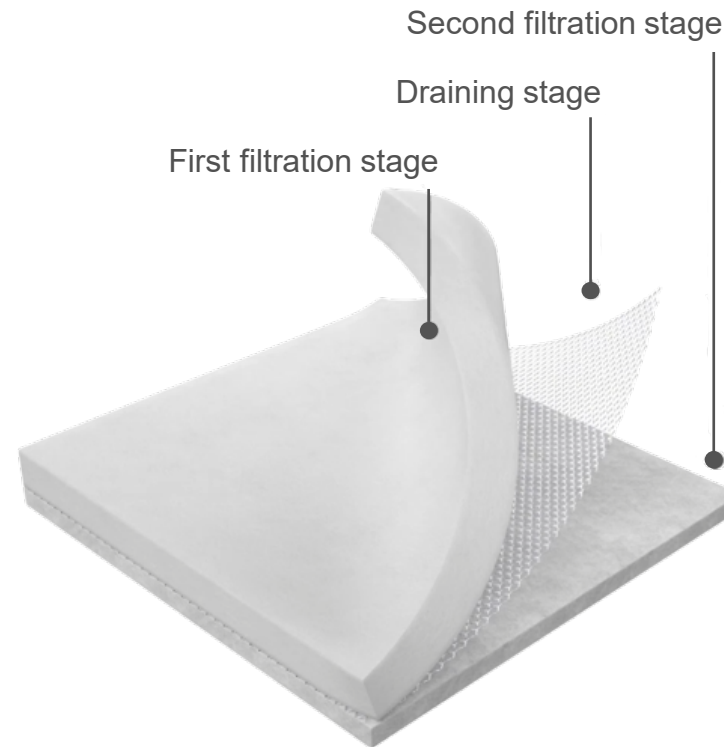
**Depth filtration cartridges**

**N95BL**  
*Polypropylene Melt Blown*

**double gradient**

*High filter volume*

*High loading capacity of particles with heterogeneous size*



The **FilterBlanc N95BL** cartridges are made of extruded polypropylene with internal support and rigid molded polypropylene terminals.

The **FilterBlanc 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 a maximum of 1 ppm TSS) with heterogeneous particle distribution.

**FilterBlanc N95BL** cartridges are produced in the following filtration grades: 1-10  $\mu$ , 5-20  $\mu$ , 20-50  $\mu$ , 50-90  $\mu$  with 95% removal efficiency (99.98% absolute on request).

# FilterBlanc PP95BL pleated filtration cartridges

**Pleated filtration cartridges**

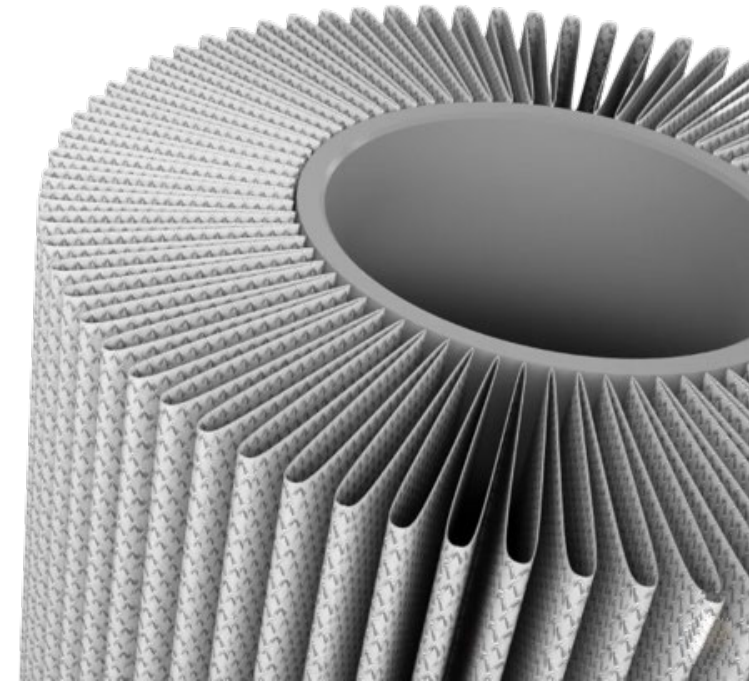
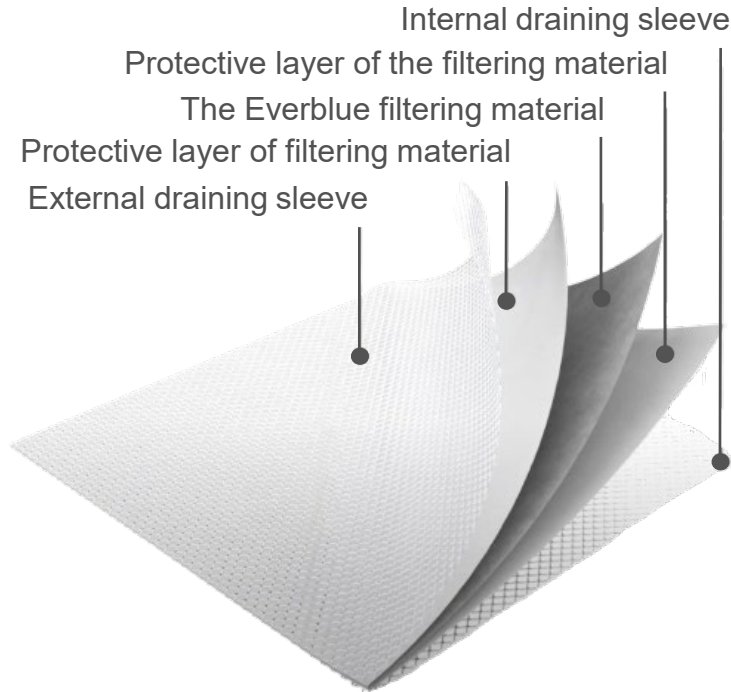
**PP95BL**  
*Polypropylene Pleated*



**5 Layers**

*High filter surface*

*High loading capacity of particles with homogeneous size*



**FilterBlanc PP95BL** 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.

**FilterBlanc PP95BL** 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).

**FilterBlanc PP95BL** cartridges are produced in the following filtration grades: 1, 5, 10, 20, 50  $\mu$  with 95% removal efficiency (99.98% absolute on request).



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# FilterBlanc TPL95BL washable filtration cartridges

Washable filtration cartridges

**TPL95BL**  
Pleated Polyester Net  
TekBlue



**500 CLEANING GUARANTEED**

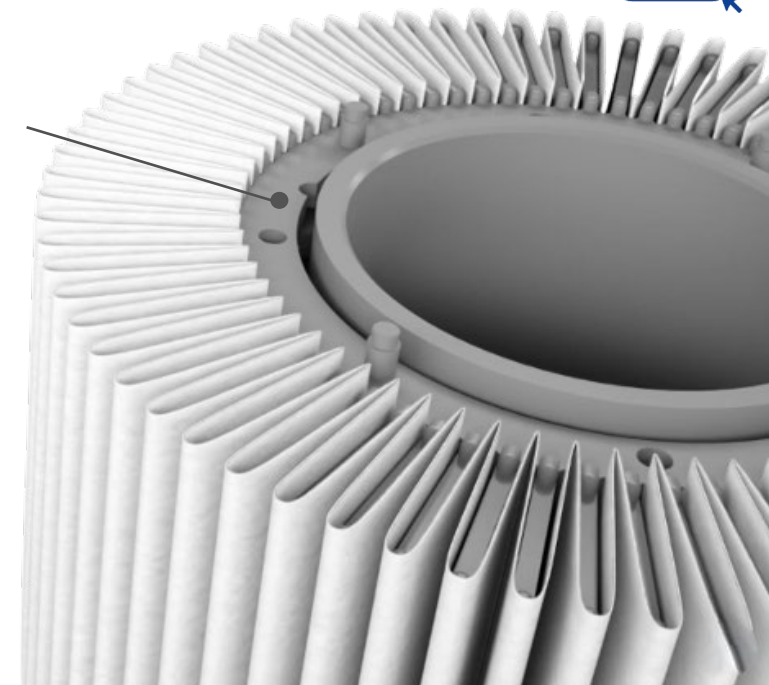


Washable

High particle loading capacity with possibility of reuse




Rigid polypropylene structure  
**filstar** inside  
**PATENTED**



The **FilterBlanc TPL95BL** 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).

**FilterBlanc TPL95BL** 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.

**FilterBlanc TPL95BL** cartridges are produced in the following filtration grades: 20, 50 µ with 95% removal efficiency.

## More info



**Data Sheet**  
**FilterBlanc**



**Video**  
**FilterBlanc**



**Case History**  
**FilterBlanc**

*Company authorized to the use of the brand*





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