



FilterBlue

Housings for filter cartridges

Model: FilterBlue FBL

FilterBlue 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.

FilterBlue 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.

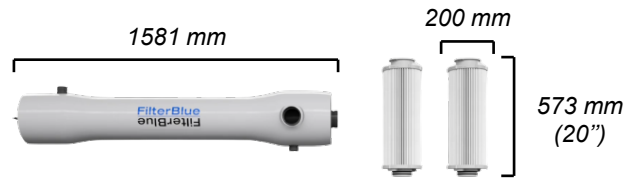
Their uniqueness represents a natural trade protection from the attacks of standard products and their undisputable quality always ensures better performance than any other alternative.



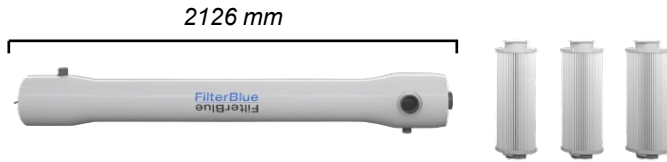
high flow rate in small footprint

FilterBlue housings

FilterBlue housings are produced in two different lengths:







FilterBlue 2x20''
Contains 2 cartridges of 20''
Flow rate up to 36 m³/h



FilterBlue 3x20''
Contains 3 cartridges of 20''
Flow rate up to 54 m³/h

FilterBlue containers are made in 4 versions:

-  PVC heads (standard)
Working pressure : 10 bar - PED
-  Stainless steel AISI 316 heads
Working pressure : 20 bar - ASME X / ASME X STAMP
-  Duplex SAF 2205 heads
Working pressure : 20 bar - ASME X / ASME X STAMP
-  Super Duplex SAF 2507 heads
Working pressure : 20 bar - ASME X / ASME X STAMP

FilterBlue housings guarantee:



High flow

Products with lengths (2x20'' and 3x20''), diameters (8''- 200mm) and connections (3''- DN80) such as to ensure from flow rates from 36 m³/h to 54 m³/h



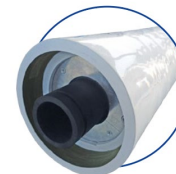
High pressure resistance

Possibility to operate up to 10 bar (20 bar on request)



Absolute corrosion resistance

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



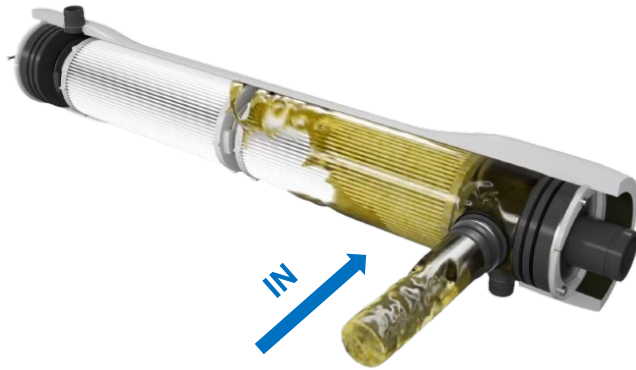
filtered outlet cap



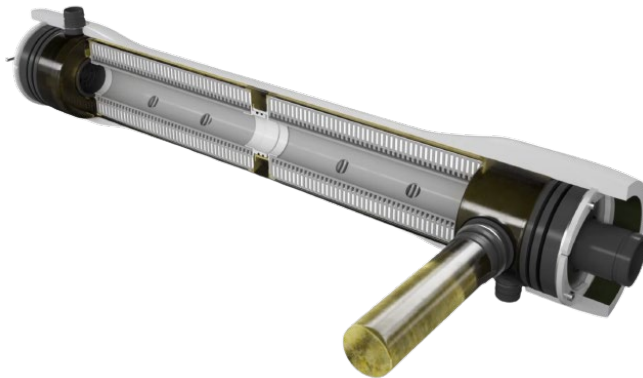
sealing cap

FilterBlue: operating

- ① The water to be filtered enters through the side inlet of the **FilterBlue** container without impacting directly on the body of the filter cartridges, thanks to the special design of the outlet cap.



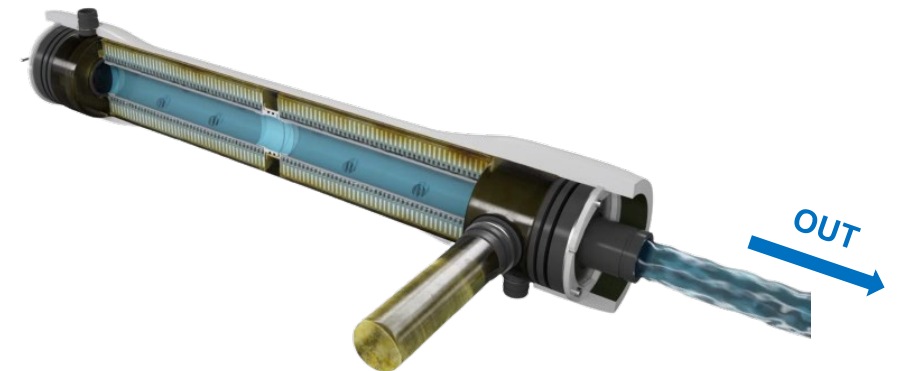
- ② The water is distributed as shown, evenly over the entire surface of the filter cartridges.



- ③ The water then passes through the filter cartridges from the outside to the inside. The forced passage of water through the cartridges allows the filter media to retain the particles contained in it.

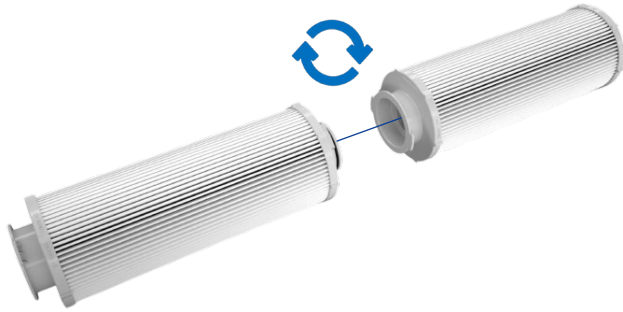


- ④ Once the water has finished its path inside the **FilterBlue** container and has passed through the cartridges, it is free to flow completely purified and filtered through the outlet cap.



FilterBlue: quick and easy cartridge replacement

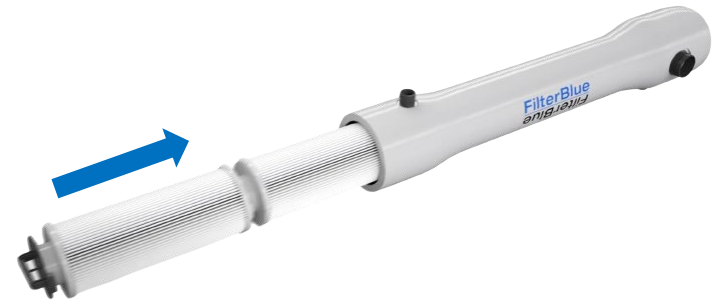
A Insert the cartridge in the next cartridge, and turn it all way:



B Insert the handle in the cartridges block, and turn it all way:



C Once the cartridge block is mounted with the appropriate handle, you can insert it into the **FilterBlue** container:



D Finally, insert the closure cap into the body of the **FilterBlue** container. Lock the closing cap with the 3 tightening rings by fixing them with the respective screws:



The filtered water outlet cap always remains fixed on the container. The cartridges are extracted from the **FilterBlue** container by performing the reverse operations. Inserting and removing cartridges is very easy and takes only a couple of minutes.

Why choose FilterBlue?

Uniqueness

FilterBlue 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 lengths that are easily assembled into batteries with special assembly kits (frame and manifolds).



Simplicity

FilterBlue housings are **easy** to use:

- A single operator opens and closes the FilterBlue container manually in a few minutes.
- The FilterBlue filtration cartridges are inserted and removed quickly by coupling to one another thanks to the appropriate bayonet attachment.
- They have 4 different configurations, by changing the position of the caps.



Why choose FilterBlue: modularity

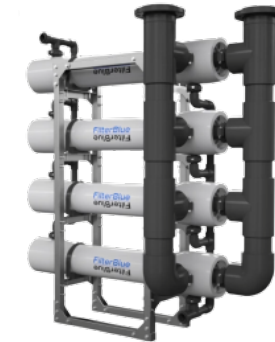
FilterBlue housings and cartridges allow the construction of ideal **modular** batteries to meet all flow rates at reduced costs.



FilterBlue
BL-2-2RS
Flow rate up to 72 m³/h



FilterBlue
BL-2-3RS
Flow rate up to 108 m³/h



FilterBlue
BL-2-4RS
Flow rate up to 144 m³/h



FilterBlue
BL-3-2RS
Flow rate up to 108 m³/h



FilterBlue
BL-3-3RS
Flow rate up to 162 m³/h



FilterBlue
BL-3-4RS
Flow rate up to 216 m³/h

FilterBlue filtration cartridges

FilterBlue 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



FilterBlue filtration cartridges guarantee:



Long life

The high filtering surface/volume allows a significant dirt holding capacity 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

FilterBlue N95BL depth filtration cartridges

Depth filtration cartridges

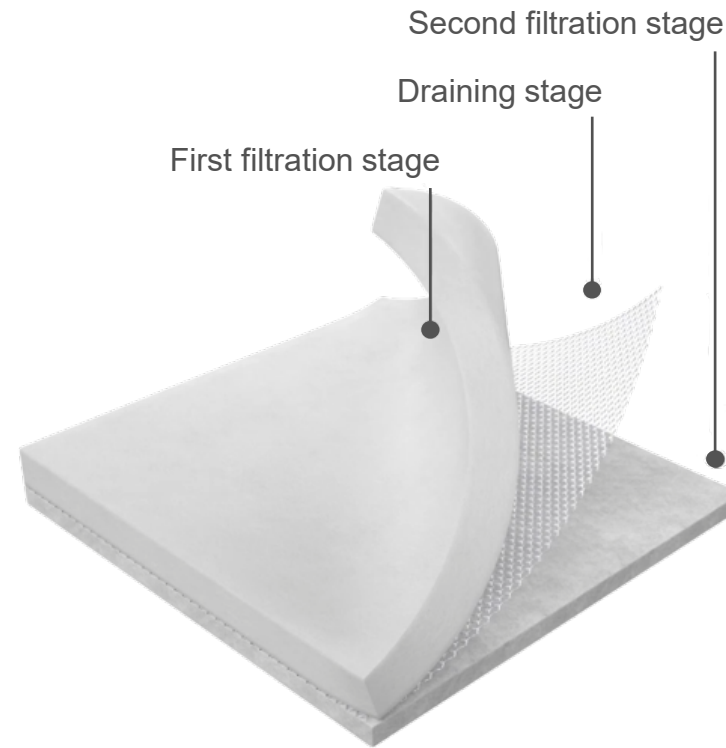
N95BL
Polypropylene Melt Blown



double gradient

High filter volume

High loading capacity of particles with heterogeneous size



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

FilterBlue N95BL 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).

FilterBlue PP95BL pleated filtration cartridges

Pleated filtration cartridges

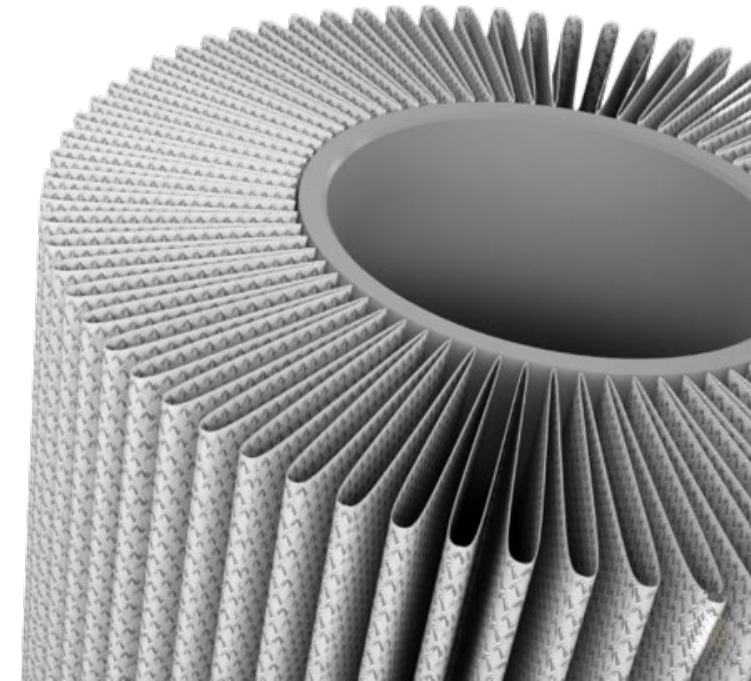
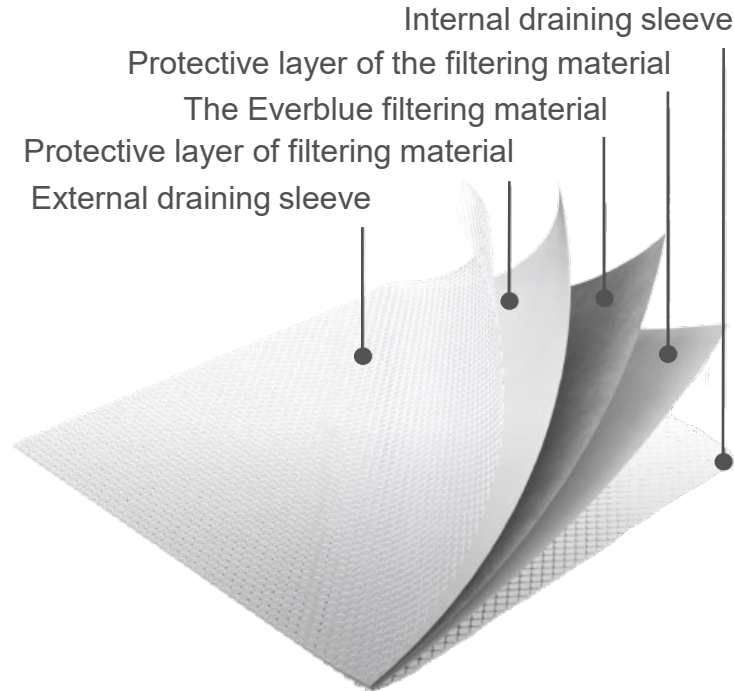
PP95BL
Polypropylene Pleated



5 Layers

High filter surface

High loading capacity of particles with homogeneous size



FilterBlue 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.

FilterBlue 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).

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



everblue.it

FilterBlue TPL95BL washable filtration cartridges

Washable filtration cartridges

TPL95BL
Pleated Polyester Net
TekBlue



500 CLEANING GUARANTEED

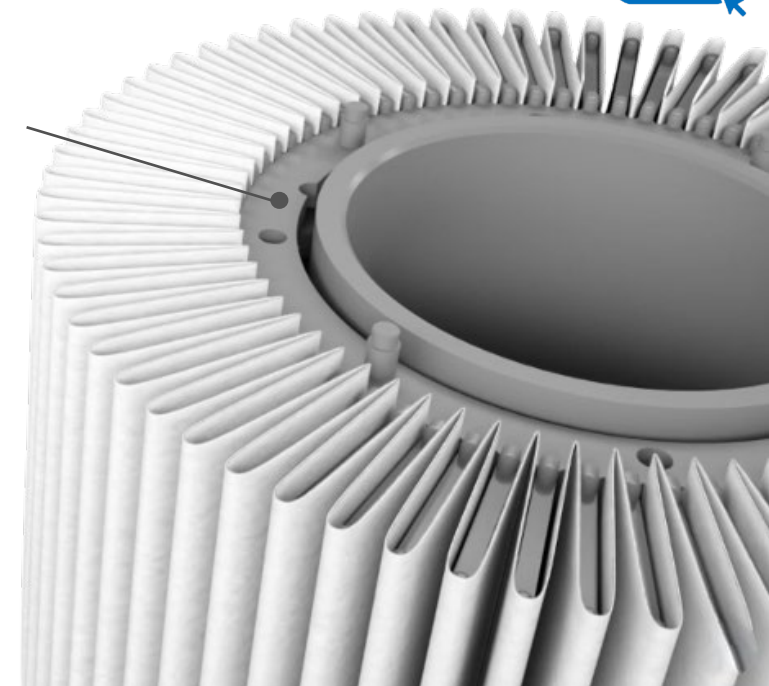


Washable

High particle loading capacity with possibility of reuse




Rigid polypropylene structure
filstar inside
PATENTED



The **FilterBlue 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).

FilterBlue 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.

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

More info



Data Sheet
FilterBlue



Video
FilterBlue



Case History
FilterBlue

Company authorized to the use of the brand



Contact Us



Everblue

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

www.everblue.it

[+39 0525-1920100](tel:+3905251920100)

info@everblue.it

