

Facts about 'Reverse Osmosis' and 'Ultraviolet' alternatives

Reverse osmosis

- Demineralization of drinking water
- Waste of water
- Need for a tank
- High pressure loss because of small pore size
- Need for a pump to operate the system
- Use of electricity
- Bacteria growth in the tank
- High maintenance costs

Ultraviolet

- Unsafe and unreliable bacteria treatment
- Bacteria can hide behind sediments and particles
- UV is not a filtration process (bacteria will be killed or paralyzed but remain in the drinking water)
- Lifetime of the UV lamp unpredictable
- Use of electricity
- High maintenance costs

Stiebel Eltron's knowledge and engineering in water technology is embedded in several water filtration units and is especially designed to meet the user's needs.

Therefore Stiebel Eltron water filters are the most trusted solution to provide clean and safe drinking water for people who are concerned about health and water safety.



AS / NZS 3497  
WMKA 22044

I ♥ STIEBEL

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**Ultrafiltration Technology**  
0.01 Micron Water Filter by  
Stiebel Eltron / Germany





## Stream

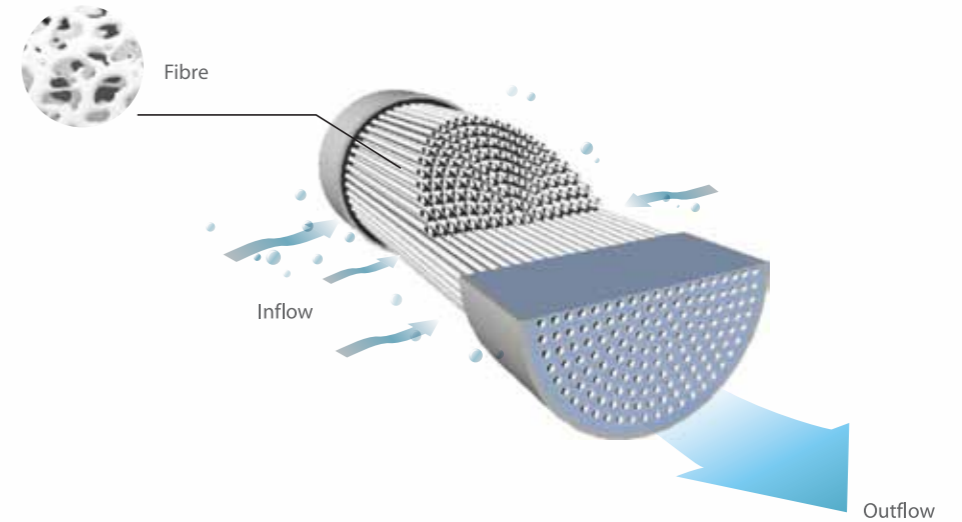
The 'Stream' water filter provides the highest quality drinking water. User friendly design, the "Push & Click" function and other features make the 'Stream' the most complete and unique under sink filtration system on the market.



## Our Technology

ULTRAFILTRATION is the key technology of Stiebel Eltron's filtration systems, using hollow fibre with a poresize down to 0.01 micron.

Stiebel Eltron's ultrafiltration technology provides absolutely bacteria free drinking water for you and your family.

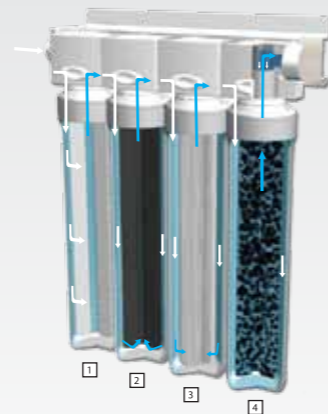


### Feature list

- Ultrafiltration (UF) Membrane**  
 A micro-porous structured hollow fibre works as an efficient filter to remove bacteria and particles down to 0.01 micron.
- Anti-bacterial Carbon**  
 Silver impregnated carbon powder in the last filtration step prevents any contamination from the outside of the filter and also prevents the growth of bacteria inside the filter (4 stage unit only).
- Modern Design**  
 The lively, fashionable and modern design of the filter is combined with a functional 'Push & Click' system.
- Push & Click Filter System**  
 The 'Push & Click' function makes the filter change very easy and requires only a push of the button to change the filter cartridge. A 'Click' will signal that the filter is inserted properly into the adaptor.
- Different Stages – Different Sizes**  
 The 'stream' is available in 10" and 3 or 4 stage systems. This gives you the option to decide on the best filter system according to the water quality in your area and the filter application.
- Encapsulated Filter**  
 The filters inside the cartridges are clean and protected against contamination from the outside e.g. during filter replacement and cleaning.
- Space Saving**  
 A swing function enables you to install the filter in areas with minimum available space under the sink. Combined with the 'Push & Click' function the change of filter is very simple.
- Automatic Shut-Off**  
 If the cartridge is removed from the adaptor or the cartridge is not inserted properly the water flow will automatically shut off. Operation and filter exchange are clean and safe.

### Filter stages

1. PP sediment filter (1 µm)
2. Activated carbon block filter (0.5 µm)
3. Ultrafiltration – hollow fibre membrane (0.01 µm)
4. Granular silver impregnated carbon filter



## Filter Media



### Pre-filter - Polyethylene (PE), 5~10 µm

Pre-filters made from Polyethylene remove sediments and larger particles bigger than 5 ~ 10 micron.



### Activated Granular Carbon

The granular coconut shell based activated carbon powder removes residual chlorine, VOCs, THMs, herbicides and pesticides, unpleasant taste and odours, mold spores and partly heavy metals.



### Pre-filter - Polypropylene (PP), 1 µm

The small pore size pre-filters remove sediments, silt and particles bigger than 1 micron. In accordance to its structure the PP is used in the "stream" water filters.



### Antibacterial Granular Carbon

Granular carbon powder improves the taste of the water by removing chlorine, VOCs and THMs. Silver ions added in the carbon prevent a growth of filtered bacteria inside the filter.



### Activated Carbon Block, 0.5 ~ 5 µm

This filter media is made from coconut shells and has an extraordinary filter performance. The activated carbon blocks herbicides and pesticides, absorbs chlorine, VOCs, THMs and is able to remove heavy metals like lead and mercury.

