

# ECO filter CLOTH FILTER

## Clean water streams without backwash water

### Fully automatic cloth filtration for greenhouse horticulture

Solid contaminants in water streams can cause clogging, contamination, and additional strain on the water system. Examples include organic material, plant debris, and suspended particles in drain water, basin water, rinse water, or water from ebb and flow systems.

The ECOfilter cloth filter removes these solid contaminants in a simple and reliable manner. The system uses filter cloth and requires no backwash water. This keeps the filtration process straightforward and physically separates contaminants from the water stream.

The ECOfilter is suitable as a standalone filter unit within various water streams in the greenhouse.

### Physical separation of solid contaminants from water

The ECOfilter uses a filter cloth that physically separates solid contaminants from the water stream. The water passes over the cloth without pressure, leaving dirt particles behind on the filter cloth.

When the filter cloth becomes saturated, the system automatically feeds a clean section of the cloth. The used filter cloth is discharged to the collection tray along with the captured contaminants. Once the roll of filter cloth is completely used up, it must be replaced manually.

Because the ECOfilter operates without backwash water, the filtration process remains simple and straightforward. Combined with its robust construction and available larger capacities, the system is highly versatile for water streams in the greenhouse.



## Practical benefits

- Physical separation of solid contaminants from water
- No backwash water required
- Simple and robust filtration principle
- Automatic feed of clean filter cloth
- Suitable for higher capacities
- Easy to use and low-maintenance

### Better control of water streams in the greenhouse

The quality of water streams affects the overall health of the water. The cleaner the water stream, the lower the risk of contaminants and unwanted contamination spreading further through the water system.

The ECOfilter helps remove solid contaminants, plant debris, and organic material from the water stream. This keeps the water easier to manage and allows downstream disinfection systems to operate more effectively.

Cleaner water also helps keep pipes, water silos, and other parts of the water system clean. This reduces the load on the installation and keeps the system easier to manage.



### Applications in the greenhouse

The ECOfilter is suitable for, among other things:

- drain water
- basin water
- rinse water
- wastewater
- water from ebb and flow systems
- pre-filtration for water treatment or disinfection

### Robust filtration with fine filtration performance

The ECOfilter is made of stainless steel and designed for long-term use in greenhouse water systems. Depending on the application, it can filter down to 5 microns, removing even finer solid contaminants from the water.

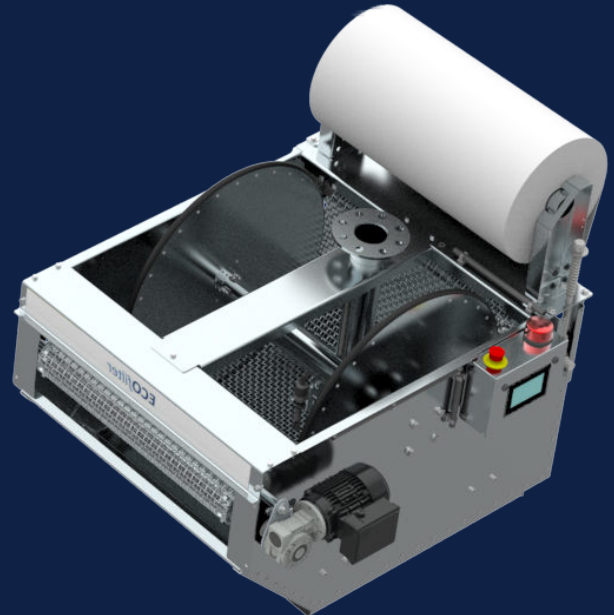
Thanks to its pressureless operation and simple design, the system remains easy to use. The ECOfilter is therefore suitable as a standalone filter unit for larger water streams, but can also be used as part of a larger water treatment system if desired.

### Suitable for your water system

The appropriate ECOfilter model can be selected based on the flow rate, contamination level, and desired capacity. Van der Ende Group is happy to help you find the best solution for your situation.

### Want to know more?

For more information, visit our website [www.vanderendegroup.nl](http://www.vanderendegroup.nl) or contact us at [sales@vanderendegroup.com](mailto:sales@vanderendegroup.com).



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