

ECOFILTER CLOTH FILTER

for filtering water streams from 16 m³/h to 200 m³/h



[Cloth filter](#) [Coolant filtration](#) [Water treatment](#)

Description

The ECOfilter is a fully automatic cloth filter for removing solids from water streams in greenhouse horticulture and industry. Thanks to its pressureless filtration principle, the system offers a simple and reliable solution for a wide range of filtration applications.

The cloth filter operates without backwash water, preventing the release of contaminated backwash water and avoiding unnecessary water loss.

The ECOfilter is fully manufactured from stainless steel 304 and designed for long service life and easy maintenance.

An ECOfilter is suitable for, among other applications:

- o filtration of drain water
- o filtration of basin water
- o filtration of rinse water
- o filtration of wastewater
- o filtration of process water in industrial applications
- o applications in ebb and flow systems

Operation

The contaminated water flows pressurelessly over the filter cloth, where contaminants larger than the pores of the filter cloth remain on the cloth.

When the filter cloth becomes saturated, new filter cloth is automatically supplied. The used filter cloth, together with the captured contaminants, is automatically discharged into a collection tray.

Because the system operates without backwashing and without intensive mechanical stress on the contamination, organic contaminants remain intact and efficient filtration is achieved.



Benefits

The ECOfilter combines simple operation with high filtration performance and low operational costs..

Key benefits of the ECOfilter:

- o no backwash water
- o no emission of contaminated backwash water
- o fully automatic operation
- o pressureless filtration principle
- o energy savings on filter pumps
- o maintenance friendly design
- o suitable for fine filtration down to 5 microns
- o high operational reliability
- o efficient removal of organic contamination

Maintenance

The ECOfilter is low maintenance due to its simple operating principle. Periodically, the filter cloth needs to be replaced and the collection tray emptied.

Due to the limited number of mechanical components, the ECOfilter is reliable in operation and maintenance work remains limited.

Specifications

PROPERTY	SPECIFICATION
Filtration	down to 5 microns
Housing	stainless steel 304
Filter cloth	polyester / paper
Conveyor belt	stainless steel 304
Operation	pressureless
Automation	fully automatic

Type ECOfilter

TYPE	MAX. FLOW RATE
BFG 18-27	16 m³/h
BFG 27-27	34 m³/h
BFG 27-60	80 m³/h
BFG 39-60	100 m³/h
BFG 39-60_XL	170 m³/h
BFG 51-60	200 m³/h

