

# | PAPER BELT FILTER (3 TO 10 M<sup>3</sup>/H)

To optimise water flows



## Description

Paper belt filters can be used for various liquid flows in your greenhouse. Moor Filtertechniek supplies a specially selected line of products for greenhouse and other horticultural uses, divided into belt filters for low-flow (3 to 10 m<sup>3</sup>/h) and high-flow (10 to 150 m<sup>3</sup>/h) use. Moor Filtertechniek's paper belt filters are compact stainless-steel (304) models, complete with stainless-steel reservoir, pumps and switch box.

A belt filter is suitable for various purposes, such as:

- o discharge water from a sand filter
- o filtration of drain water
- o filtration of basin water
- o filtration of water from flood and drain (hydroponic) systems
- o pre-filtration for UV filters

## Types of band filtration

A belt filter is also called a fleece filter or paper belt filter. Two different types of belt filters with a capacity of up to 10 m<sup>3</sup>/h have been selected. The flat-bed filters, used for heavy contamination and/or low flow rates, and the deep-bed filters, used for heavy, light contamination and/or higher flow rates.

A filter fabric, also called filter paper or filter medium, is used for the filtration. The filter fabric is usually a nonwoven material, and sometimes a textile filter material for special applications. The filter micron rating is about 15 to 50 microns. The filter fabric is supplied on a roll with a length of about 100 metres. The width depends on the type of belt filter.

We will be pleased to advise you on the best type of belt filter and filter fabric for your specific application.

## Operation

The belt filter works in a very simple way. Water is guided across the filter fabric. Any dirt particles larger than the pores in the filter fabric, will be trapped. After some time, the fabric will become clogged, causing the permeability to decrease and the water level to rise above the fabric. A float ensures that a trolley motor is switched on, providing the paper belt filter with new filter fabric and transporting the dirty filter fabric to the waste container.

## Maintenance

Thanks to the simple principle, a belt filter requires very little maintenance, just periodic replacement of the filter fabric.

### DEEP BED FILTER

MODEL		MAX. FLOW (M <sup>3</sup> /HR)	WIDTH OF FILTER FABRIC
EVO	300	3m <sup>3</sup>	300 mm
EVO	500	6m <sup>3</sup>	500 mm
EVO	700	10m <sup>3</sup>	700 mm



### FLAT-BED FILTER

MODEL		MAX. FLOW (M <sup>3</sup> /HR)	WIDTH OF FILTER FABRIC
EASY	50	3m <sup>3</sup>	500 mm
EASY	100	6m <sup>3</sup>	700 mm
EASY	150	9m <sup>3</sup>	1.000 mm
EASY	200	12m <sup>3</sup>	1.000 mm
EASY	250	15m <sup>3</sup>	1.000 mm



**MOOR FILTERTECHNIEK**

For more information, see our website [www.moor.nl](http://www.moor.nl), call our employees +31 (0)174 51 50 50 or mail [sales@moor.nl](mailto:sales@moor.nl).