

Greenhouse and Nursery Water Treatment Information System

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Belt Filtration

Approximate particle size filtered: 5 - 50 microns

A belt filter is made up of a two layers of filter media (fabric or paper) spread over a perforated metal belt that runs through a series of rollers (Werner, 2009). Water enters between the two fabric layers, and as it is fed through the rollers, pure water is squeezed out with particulate matter left behind between the fabric layers. Often, before being fed between two fabric layers, the water first enters a gravity drainage section, where it collects in a basin lined with filter fabric and pure water leaks out due to gravity, leaving particulate water behind on the filter fabric (Snyman et al., 2000). This filter can be used to remove a variety of particle sizes, including large amounts of organic material.

REFERENCES

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