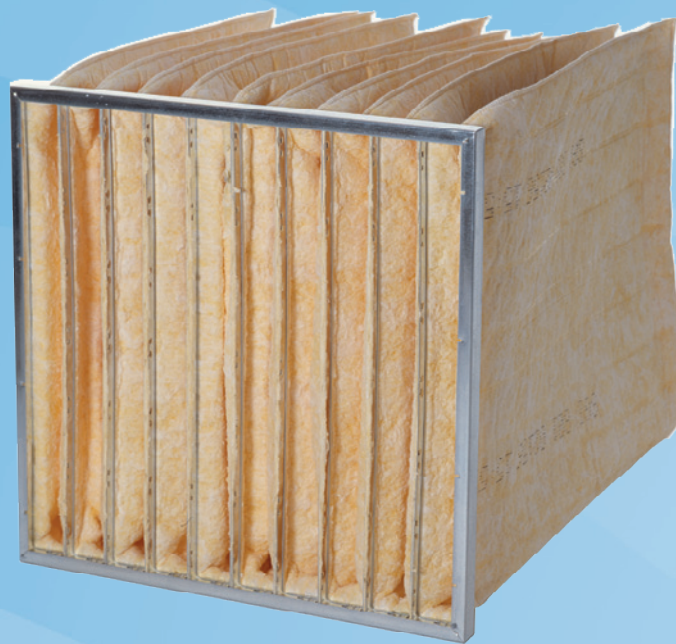


BAG FILTERS

Glass Fibre Fine Filters F8-F9



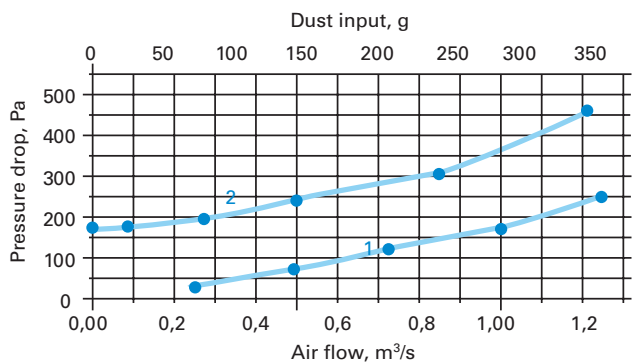
Typical applications

Fine filters are designed for purification of intake and circulation air in air-conditioning systems installed in facilities such as offices, public premises and industry.

Class F8 fine filters remove a notable part of the emissions caused by traffic and energy production from the air, and also separate efficiently e.g. cigarette smoke, bacteria, as well as particles causing dirt collection and darkening.

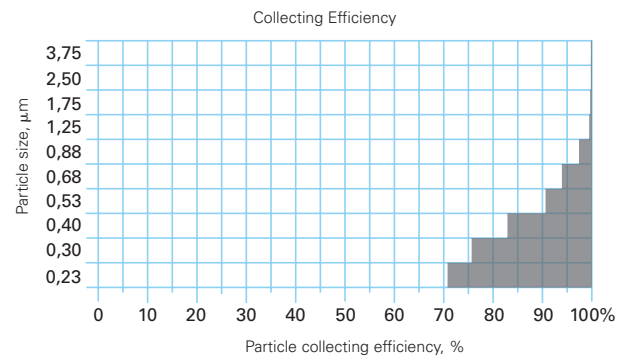
Materials

The filtration materials of the fine filters are made of micro glass fibre, adapting a completely new manufacturing technology. The sturdy and rigid filter media is non-flammable and bio-soluble. Thanks to the strong structure of the material, the filters are easier to handle and keep their shape better. Bag filters made of micro glass fibre are based on mechanical deep filtration, thus the material will not become clogged on the surface, but rather it will fill up throughout its depth. In this way the filter will remain at the specified performance level, even in difficult environmental conditions, through the whole service life.



Curve 1
Pressure drop as a function of air volume flow (clean filter)

Curve 2
Pressure drop as a function of dust input with the test volume flow



Structure

The inner and outer frames of the filters are made of galvanized steel. To ensure tightness, the filter pockets are glued to the outer frame. Correct opening of the filter pockets is ensured by using distance holders sewn on the fabric; reliable and correct functionality as well as high dust holding capacity is thus ensured. The sewing seams are sealed with hot melt glue.

Sizes

Halton Clean Air Oy is offering wide selection of standard filter sizes. As per special order, we can also manufacture filters with tailored dimensions.

Quality and environment

The operations of Halton Clean Air Oy are certified with the ISO 9001:2000 Quality and ISO 14001 Environmental standards.

To ensure that quality requirements are met, a sample filter is manufactured of each new material batch and then tested by VTT.

Specifications

Filter class EN 779:2002	F8/F9		
Initial pressure drop	175 Pa		
Initial collecting efficiency	0,4 µm 84 %	1,0 µm 99 %	2,5 µm 99,9 %
Material	Glass fibre		
Frame	Galvanized steel		
Max. operating temperature	93 °C		
Relative humidity	Max. 100 %		