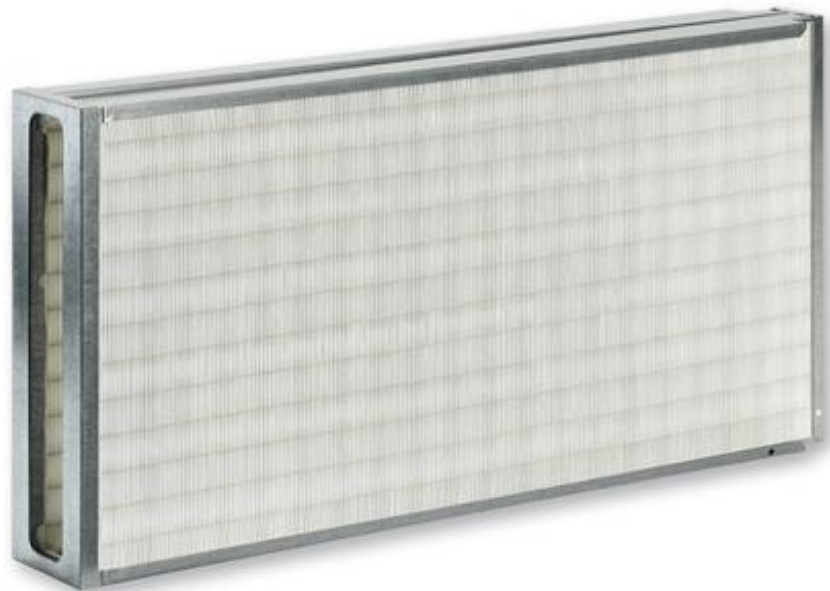


Type MFE



VERY COMPACT, FOR MODULAR INSTALLATION

Prefilters or final filters for the separation of fine dust, or particulate filters for the most critical requirements in ventilation systems

- Filter classes F9, E11, H13
- Performance data to EN 779 or EN 1822
- Eurovent certification for fine dust filters
- Filter media for special requirements, made of glass fibre papers, with spacers made of textile threads
- Low initial differential pressure due to ideal pleat position and largest possible filter area

APPLICATION

Application

- Mini Pleat filter element type MFE for the separation of fine dust and suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply and extract air in ventilation systems with large volume flow rates and the requirement for long filter life
- Fine dust filter: Prefilter or final filter for the separation of fine dust in ventilation systems.
- Particulate filter: Main or final filter used for the most critical requirements of air cleanliness and sterility in areas such as industry, research, medicine, pharmaceuticals, and nuclear engineering

Special characteristics

- Leakage test, standard for all particulate filters of filter class H13

DESCRIPTION

Filter classes

- Fine dust filter F9
- Particulate filters E11, H13

Construction

- GAL: Frame made of galvanised steel
- AL: Frame made of aluminium

Accessories

- Adhesive tape for sealing off the filter elements, width: 19 mm, length: 55 m
- Order number: ACC-AT
- One roll suffices for about 50 filter elements of size 600 × 65 × 202 mm, for about 100 filter elements of size 86.5 × 202 × 600 mm, or for about 70 filter elements of size 86.5 × 303 × 600 mm

Construction features

- The filter elements are joined together by a special adhesive tape which also provides an air-tight seal between the filter elements and the mounting frame or installation casing
- The special adhesive tape for sealing off the filter elements must be ordered separately

Materials and surfaces

- Filter media made of high-quality, moisture-resistant glass fibre papers, pleated
- Spacers provide a uniform spacing of the pleats
- Joint sealing compound made of permanently elastic two-component polyurethane adhesive
- Frame made of either galvanised sheet steel or aluminium

TECHNICAL INFORMATION

FUNCTION

Filter class according to EN 779	F9
Average efficiency according to EN 779	>95 %
Initial differential pressure at nominal volume flow rate for nominal size 600 × 65 × 202 mm	50 Pa
Recommended final differential pressure for nominal size 600 × 65 × 202 mm	250 Pa
Initial differential pressure at nominal volume flow rate for nominal sizes 86.5 × 202/303 × 600 mm	120 Pa
Recommended final differential pressure for nominal sizes 86.5 × 202/303 × 600 mm	300 Pa
Maximum operating temperature	100 °C
Maximum relative humidity	100 %

Filter class according to EN 1822	E11	H13
Efficiency according to EN 1822	>95 %	>99.95 %
Initial differential pressure at nominal volume flow rate for nominal size 600 × 65 × 202 mm	140 Pa	160 Pa
Recommended final differential pressure for nominal size 600 × 65 × 202 mm	400 Pa	400 Pa
Initial differential pressure at nominal volume flow rate for nominal sizes 86.5 × 202/303 × 600 mm	190 Pa	220 Pa
Recommended final differential pressure for nominal sizes 86.5 × 202/303 × 600 mm	600 Pa	600 Pa
Maximum operating temperature	100 °C	100 °C
Maximum relative humidity	100 %	100 %

SPECIFICATION TEXT

Mini Pleat filter elements MFE for the separation of fine dust and suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply and extract air in ventilation systems.

Use as fine dust filters, i.e. as prefilters or final filters in ventilation systems; or as particulate filters, i.e. main or final filters for the most critical requirements of air cleanliness and sterility in areas such as industry, research, medicine, pharmaceuticals, and nuclear engineering.

Large volume flow rates and long filter life due to the very compact, modular structure. Filter medium is made of high-quality, moisture-resistant glass fibre papers, with spacers.

Low initial differential pressure due to ideal pleat position and largest possible filter area.

Mini Pleat filter elements are available in all commercial sizes, filter classes F9, E11, H13.

The filter elements are joined together by a special adhesive tape which also provides an air-tight seal between the filter elements and the mounting frame or installation casing.

The special adhesive tape must be ordered separately.

Mini Pleat filter elements used as fine dust filters are certified by Eurovent.

Special characteristics

- Leakage test, standard for all particulate filters of filter class H13

Materials and surfaces

- Filter media made of high-quality, moisture-resistant glass fibre papers, pleated
- Spacers provide a uniform spacing of the pleats
- Joint sealing compound made of permanently elastic two-component polyurethane adhesive
- Frame made of either galvanised sheet steel or aluminium

Construction

- GAL: Frame made of galvanised steel
- AL: Frame made of aluminium

Sizing data

- Filter class
- Volume flow rate [m³/h]
- Initial differential pressure [Pa]
- Nominal size [mm]

ORDER CODE

MFE

MFE – H13 – GAL / 600 × 65 × 202



1 Type

MFE Mini Pleat filter element

3 Construction

GAL Frame made of galvanised steel

AL Frame made of aluminium

2 Filter class

F9 Fine dust filter according to EN 779

E11 Particulate filter according to EN 1822

H13 Particulate filter according to EN 1822

4 Nominal size [mm]

B × H × T

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