TROX® TECHNIK
The art of handling air

MFCA

COMPACT CONSTRUCTION FOR SPECIAL APPLICATIONS

Final filters for the separation of suspended particles to meet the highest requirements

- Filter classes E11, H13
- Performance data tested to EN 1822
- Filter media for special requirements, glass fibre papers with spacers made of thermoplastic hot-melt adhesive
- Low initial differential pressure due to ideal pleat position and largest possible filter area

Application

Application

- Mini Pleat filter cartridge type MFCA for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply and extract air 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

- Particulate filters E11, H13

Construction

- AL: Casing made of aluminium

Construction features

- Casing made of perforated sheet metal, aluminium

- As standard, the filter cartridge is fitted with a continuous seal on the upstream side

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
- Casing made of aluminium

INFORMATION TECHNIQUE

Filter class according to EN 1822	E11	H13
Efficiency according to EN 1822	>95 %	>99.95 %
Initial differential pressure at nominal volume flow rate	100 Pa	200 Pa
Recommended final differential pressure	450 Pa	600 Pa
Maximum operating temperature	80°C	80°C
Maximum relative humidity	100 %	100 %

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

Use 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. The filter media are made of high-quality, moisture-resistant glass fibre papers, with spacers made of thermoplastic hot-melt adhesive.

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

Mini Pleat filter cartridges are available in standard sizes, filter classes E11, H13.

As standard, Mini Pleat filter cartridges are fitted with a continuous seal.

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
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Construction

- AL: Casing made of aluminium

Sizing data

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

MFCA

MFCA – H13 – AL / 175 × 280

1 **2** **3** **4**

1 Type
MFCA Mini Pleat filter cartridge

2 Filter class
E11 Particulate filter according to EN 1822
H13 Particulate filter according to EN 1822

3 Construction
AL Casing made of aluminium

4 Nominal size [mm]
D × H