

# Mini Pleat filters

## MFP



Eurovent certification



Tested to VDI 6022



### For the most demanding requirements of air cleanliness and sterility

Prefilters or final filters for the separation of fine dust and suspended particles. Used for industrial, research, medical, pharmaceutical, and nuclear engineering applications.

- Filter groups ISO ePM10, ISO ePM1 (fine dust filter) and EPA, HEPA (particulate filter)
- Performance data tested according to ISO 16890 or to EN 1822-1 and ISO 29463-2 to ISO 29463-5
- Eurovent certification for fine dust filters
- Meets the hygiene requirements of VDI 6022
- 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
- Perfect adjustment to individual requirements due to different pleat depths, filter frame made of various materials
- Fitting into ceiling mounted or wall mounted particulate filters (types TFC, TFW, TFM, TFP), ducted particulate filters (types KSF, KSFS), duct casings for particulate filters (type DCA), or operating theatre ceilings
- Automatic filter scan test for all filters from filter class H14

|                     |   |                 |    |
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## General information

### Application

- Mini Pleat filter panel type MFP 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 is standard for all particulate filters of classes H13, H14

### Classification

- Eurovent certification for fine dust filters
- Hygiene conformity for constructions ALN, ALZ, ALY, ALU, ALV

### Nominal sizes

- $B \times H \times D$  [mm]

### Options

- FT: Pleat depth
- PU: Protection grid on the upstream side
- PD: Protection grid on the downstream side
- PB: Protection grid on both sides
- FNU: Flat seal on the upstream side
- FND: Flat seal on the downstream side
- FNB: Flat seal on both sides
- TGU: Test groove seal on the upstream side (only for filter classes H13, H14)
- CSU: Continuous seal on the upstream side
- CSD: Continuous seal on the downstream side
- CSB: Continuous seal on both sides
- GPU: Fluid seal (only for ALU/ALV)
- WS: Without seal
- OT: Oil mist test (only for filter classes H13, H14)
- OTC: Oil mist test with certificate (only for filter classes H13, H14)
- ST: Scan test (only for filter classes H13, H14)

### Construction

- PLA: Frame made of plastic (depth 48, 96 and 150 mm)
- MDFF: Frame made of MDF, with header frame (depth 60 mm)
- MDF: Frame made of MDF (depth 60, 78, 150 and 292 mm)
- GAL: Frame made of galvanised steel (depth 60, 150 and 292 mm)
- STA: Frame made of stainless steel (depth 60, 150 and 292 mm)
- ALN: Frame made of extruded aluminium sections (depth 30 mm)
- ALZ: Frame made of extruded aluminium sections (depth 78 mm)
- ALY: Frame made of extruded aluminium sections (depth 150 mm)
- ALU: Frame made of extruded aluminium sections (depth 91 mm)
- ALV: Frame made of extruded aluminium sections (depth 85 mm)

### Useful additions

- Filter wall (SIF)
- Universal casing (UCA)
- Ducted particulate filter, available as one unit (KSF, KSFS) or as a filter unit system (KSFSSP)
- Duct casing for particulate filters (DCA)
- Ceiling mounted particulate filter (TFC)
- Wall mounted particulate filter (TFW)
- Particulate filter module (TFM)
- Pharmaceutical clean room terminal filter (TFP)

### Construction features

- Perimeter flat seal on the upstream side for constructions MDF, GAL, STA, ALN, ALZ and ALY
- Some constructions with optional foamed continuous seal or with a test groove seal (filter classes H13, H14) on the upstream side; the flat section or continuous seal can also be fitted on the downstream side or on both sides
- As standard, constructions ALU/ALV are fitted with a fluid seal
- Protection grid made of expanded metal, can be fitted on the downstream or upstream side or both sides as required

### Materials and surfaces

- Filter media made of high-quality, wet-strengthened 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 plastic, MDF, galvanised sheet steel, stainless steel, or extruded aluminium sections

### Standards and guidelines

- Test according to ISO 16890; international standard for general room air distribution; classification of arrestance efficiency based on the measured fractional arrestance efficiency, which is processed into a reporting system for the fine dust arrestance efficiency (ePM)
- For fine dust filters, the fractional arrestance efficiency of a certain size range is determined by aerosols (DEHS and KCl)
- The filters are classified into filter groups ISO ePM10 and ISO ePM1 depending on the tested values
- Testing of particulate filters according to EN 1822-1 and ISO 29463-2 to ISO 29463-5 (EPA, HEPA and ULPA particulate filters): European standard for the testing of filtration performance in the manufacturer's factory, particle counting method using a liquid test aerosol
- Uniform classification of particulate filters according to efficiency, using a test aerosol whose average particle size lies within the minimum efficiency (MPPS)
- Particulate filters are classified according to the values determined for the local filtration efficiency and the overall filtration efficiency as EPA (filter classes E10, E11, E12), HEPA (filter classes H13, H14) or ULPA (filter classes U15, U16, U17)
- Hygiene conformity for constructions ALN, ALZ, ALY, ALU, ALV: VDI 6022, VDI 3803, DIN 1946 Part 4, ÖNORM H 6020, SWKI VA 104-01 and SWKI 99-3, and EN 16798

## Technical data

|  |     |     |     |
|--|-----|-----|-----|
| Fractional efficiency ePM10 [%] to ISO 16890                   | 55  | –   | –   |
| Fractional efficiency ePM1 [%] to ISO 16890                    | –   | 65  | 90  |
| Initial differential pressure [Pa] at nominal volume flow rate | 90  | 110 | 150 |
| Recommended final differential pressure [Pa]                   | 450 | 450 | 450 |
| Max. operating temperature [°C]                                | 80  | 80  | 80  |
| Maximum relative humidity [%]                                  | 100 | 100 | 100 |

|  |      |         |          |
|--|------|---------|----------|
| Filter class according to EN 1822                              | E11  | H13     | H14      |
| Efficiency [%] according to EN 1822                            | > 95 | > 99.95 | > 99.995 |
| Initial differential pressure [Pa] at nominal volume flow rate | 125  | 250     | 120/140  |
| Recommended final differential pressure [Pa]                   | 300  | 600     | 300      |
| Max. operating temperature [°C]                                | 80   | 80      | 80       |
| Maximum relative humidity [%]                                  | 100  | 100     | 100      |

## Specification text

This specification text describes the general properties of the product. Texts for variants can be generated with our Easy Product Finder design programme.

### Specification text

Mini Pleat filter panels MFP 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. Compact depth construction, suitable for systems with high volume flow rates and a requirement for long filter life. The filter media are made of high-quality, wet-strengthened 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 panels available in standard and special sizes, in variable pleat depths, filter groups ISO ePM10, ISO ePM2.5, ISO ePM1 (fine dust filter) and EPA, HEPA, ULPA (particulate filter). Depending on the frame design, Mini Pleat filter panels are fitted with no seal, with a flat seal on the upstream side, or with a fluid seal. Some constructions are available with an optional foamed continuous seal on one or both sides, with a test groove seal on the upstream side, or with a protection grid, fitting as required. Mini Pleat filter panels used as fine dust filters are certified by Eurovent. Constructions with a frame made of extruded aluminium sections meet the hygiene requirements of VDI 6022.

### Special features

- Leakage test is standard for all particulate filters of classes H13, H14

### Materials and surfaces

- Filter media made of high-quality, wet-strengthened 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 plastic, MDF, galvanised sheet steel, stainless steel, or extruded aluminium sections

### Construction

- PLA: Frame made of plastic (depth 48, 96 and 150 mm)
- MDFF: Frame made of MDF, with header frame (depth 60 mm)
- MDF: Frame made of MDF (depth 60, 78, 150 and 292 mm)
- GAL: Frame made of galvanised steel (depth 60, 150 and 292 mm)
- STA: Frame made of stainless steel (depth 60, 150 and 292 mm)
- ALN: Frame made of extruded aluminium sections (depth 30 mm)
- ALZ: Frame made of extruded aluminium sections (depth 78 mm)
- ALY: Frame made of extruded aluminium sections (depth 150 mm)
- ALU: Frame made of extruded aluminium sections (depth 91 mm)
- ALV: Frame made of extruded aluminium sections (depth 85 mm)

### Sizing data

- Filter group [ISO 16890]
- Efficiency [%]
- Filter class [EN 1822]
- Volume flow rate [m<sup>3</sup>/h]
- Initial differential pressure [Pa]
- Nominal size [mm]

## Order code

**MFP – ePM1 – 90% – MDF / 610 × 610 × 78 × 50 / PD / FNU / ST**  
 |            |            |            |            |            |            |            |            |  
 1            2            3            4            5            6            7            8            9

### 1 Type

**MFP** Mini Pleat filter panel

### 2 Filter class

**ePM10** Fractional efficiency ePM10 to ISO 16890

**ePM1** Fractional efficiency ePM1 to ISO 16890

**E11** Particulate filter according to EN 1822

**H13** Particulate filter according to EN 1822

**H14** Particulate filter according to EN 1822

### 3 Efficiency [%]

according to ISO 16890 (not with E11, H13, H14)

### 4 Construction

**PLA** Frame made of plastic

**MDF** Frame made of MDF, with header frame

**MDF** Frame made of MDF

**GAL** Frame made of galvanised steel

**STA** Frame made of stainless steel

**ALN** Frame made of extruded aluminium sections (depth 30 mm)

**ALZ** Frame made of extruded aluminium sections (depth 78 mm)

**ALY** Frame made of extruded aluminium sections (depth 150 mm)

**ALU** Frame made of extruded aluminium sections (depth 91 mm)

**ALV** Frame made of extruded aluminium sections (depth 85 mm)

### 5 Nominal size [mm]

B × H × T

### 6 Pleat depth [mm]

FT

### 7 Protection grid

No entry: none

**PU** Protection grid on the upstream side

**PD** Protection grid on the downstream side (Standard in ALN)

**PB** Protection grid on both sides

### 8 Seal

**WS** without seal

**FNU** Flat seal on the upstream side

**FND** Flat seal on the downstream side

**FNB** Flat seal on both sides

**TGU** Test groove seal on the upstream side

**CSU** Continuous seal on the upstream side

**CSD** Continuous seal on the downstream side

**CSB** Continuous seal on both sides

**GPU** Fluid seal (only for ALU/ALV)

### 9 Testing

No entry: no leakage test

**OT** Oil mist test (only for filter classes H13, H14)

**OTC** Oil mist test with certificate (only for filter classes H13, H14)

**ST** Scan test (only for filter classes H13, H14)

### MFP-H13-MDF/610×610×78×50/PD/FNU/ST

**Filter class**

H13 Particulate filter according to EN 1822

**Construction**

Frame made of MDF

**Nominal size**

610 × 610 × 78 mm

**Pleat depth**

50

**Protection grid**

downstream side

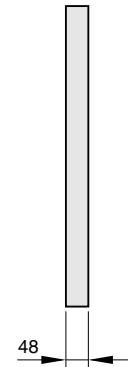
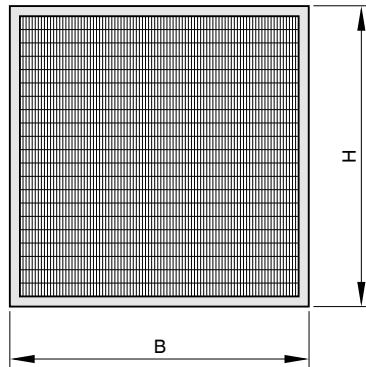
**Seal**

Flat seal on the upstream side

**Test**

scan test

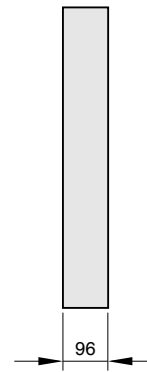
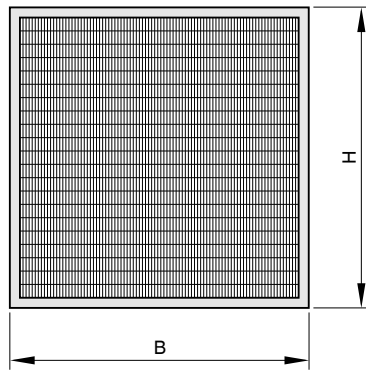
## Dimensions

**MFP-...-PLA**
**MFP-...-PLA, side view**

**Product specific data MFP-PLA**

Delivery version: Mini Pleat filter plates with plastic frame as standard without seal. Optionally with flat profile or endless seal or with handle protection, arrangement as required. All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 287    | 287    | 48     | 40          | ePM10 55%    | 139      | 500       | 90       | 1,7  | 0,5 |
| 287    | 592    | 48     | 40          | ePM10 55%    | 306      | 1100      | 90       | 3,5  | 0,9 |
| 490    | 592    | 48     | 40          | ePM10 55%    | 564      | 2030      | 90       | 6,2  | 1,5 |
| 592    | 592    | 48     | 40          | ePM10 55%    | 694      | 2500      | 90       | 7,5  | 1,8 |
| 287    | 287    | 48     | 40          | ePM10 55%    | 476      | 1715      | 90       | 6,6  | 1,3 |
| 287    | 490    | 48     | 40          | ePM10 55%    | 875      | 3150      | 90       | 11,3 | 2,3 |
| 490    | 592    | 48     | 40          | ePM10 55%    | 1075     | 3870      | 90       | 13,6 | 2,7 |
| 592    | 287    | 48     | 40          | ePM1 65%     | 139      | 500       | 110      | 1,7  | 0,5 |
| 287    | 592    | 48     | 40          | ePM1 65%     | 306      | 1100      | 110      | 3,5  | 0,9 |
| 287    | 592    | 48     | 40          | ePM1 65%     | 564      | 2030      | 110      | 6,2  | 1,5 |
| 490    | 592    | 48     | 40          | ePM1 65%     | 694      | 2500      | 110      | 7,5  | 1,8 |
| 592    | 287    | 48     | 40          | ePM1 65%     | 476      | 1715      | 110      | 6,6  | 1,3 |
| 892    | 490    | 48     | 40          | ePM1 65%     | 875      | 3150      | 110      | 11,3 | 2,3 |
| 892    | 592    | 48     | 40          | ePM1 65%     | 1075     | 3870      | 110      | 13,6 | 2,7 |
| 287    | 287    | 48     | 40          | ePM1 90%     | 139      | 500       | 150      | 1,7  | 0,5 |
| 287    | 592    | 48     | 40          | ePM1 90%     | 306      | 1100      | 150      | 3,5  | 0,9 |
| 490    | 592    | 48     | 40          | ePM1 90%     | 564      | 2030      | 150      | 6,2  | 1,5 |
| 592    | 592    | 48     | 40          | ePM1 90%     | 694      | 2500      | 150      | 7,5  | 1,8 |
| 892    | 287    | 48     | 40          | ePM1 90%     | 476      | 1715      | 150      | 6,6  | 1,3 |
| 892    | 490    | 48     | 40          | ePM1 90%     | 875      | 3150      | 150      | 11,3 | 2,3 |
| 892    | 592    | 48     | 40          | ePM1 90%     | 1075     | 3870      | 150      | 13,6 | 2,7 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

**MFP-...-PLA**
**MFP-...-PLA, side view**

**Product specific data MFP-PLA**

Delivery version: Mini Pleat filter plates with plastic frame as standard without seal. Optionally with flat profile or endless seal or with handle protection, arrangement as required. All weights are net, without the packaging.

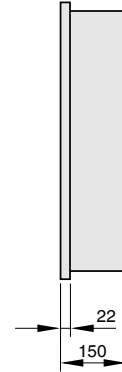
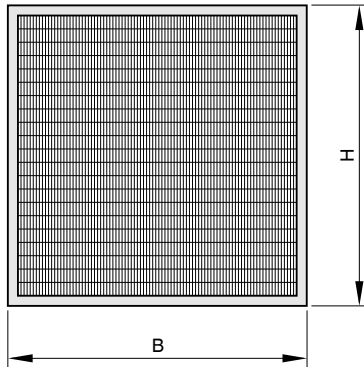
| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 287    | 287    | 96     | 80          | ePM10 55%    | 186      | 670       | 90       | 2,4  | 0,9 |
| 287    | 592    | 96     | 80          | ePM10 55%    | 417      | 1500      | 90       | 5    | 1,7 |
| 490    | 592    | 96     | 80          | ePM10 55%    | 769      | 2770      | 90       | 8,8  | 2,9 |
| 592    | 592    | 96     | 80          | ePM10 55%    | 944      | 3400      | 90       | 10,7 | 3,5 |
| 892    | 287    | 96     | 80          | ePM10 55%    | 647      | 2330      | 90       | 9,4  | 1,7 |
| 892    | 490    | 96     | 80          | ePM10 55%    | 1190     | 4285      | 90       | 16   | 3,1 |
| 892    | 592    | 96     | 80          | ePM10 55%    | 1463     | 5265      | 90       | 19,3 | 3,7 |
| 287    | 287    | 96     | 80          | ePM1 65%     | 186      | 670       | 110      | 2,4  | 0,9 |
| 287    | 592    | 96     | 80          | ePM1 65%     | 417      | 1500      | 110      | 5    | 1,7 |
| 490    | 592    | 96     | 80          | ePM1 65%     | 769      | 2770      | 110      | 8,8  | 2,9 |
| 592    | 592    | 96     | 80          | ePM1 65%     | 944      | 3400      | 110      | 10,7 | 3,5 |
| 892    | 287    | 96     | 80          | ePM1 65%     | 647      | 2330      | 110      | 9,4  | 1,7 |
| 892    | 490    | 96     | 80          | ePM1 65%     | 1190     | 4285      | 110      | 16   | 3,1 |
| 892    | 592    | 96     | 80          | ePM1 65%     | 1463     | 5265      | 110      | 19,3 | 3,7 |
| 287    | 287    | 96     | 80          | ePM1 90%     | 186      | 670       | 150      | 2,4  | 0,9 |
| 287    | 592    | 96     | 80          | ePM1 90%     | 417      | 1500      | 150      | 5    | 1,7 |
| 490    | 592    | 96     | 80          | ePM1 90%     | 769      | 2770      | 150      | 8,8  | 2,9 |
| 592    | 592    | 96     | 80          | ePM1 90%     | 944      | 3400      | 150      | 10,7 | 3,5 |
| 892    | 287    | 96     | 80          | ePM1 90%     | 647      | 2330      | 150      | 9,4  | 1,7 |
| 892    | 490    | 96     | 80          | ePM1 90%     | 1190     | 4285      | 150      | 16   | 3,1 |
| 892    | 592    | 96     | 80          | ePM1 90%     | 1463     | 5265      | 150      | 19,3 | 3,7 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight



MFP-...-PLA

MFP-...-PLA, side view



**Product specific data MFP-PLA**

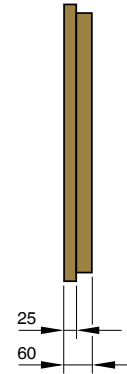
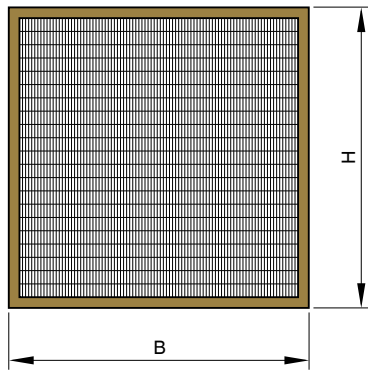
As standard, Mini Pleat filter panels with plastic frames are supplied without seal with a depth of 150 mm with header frame. Optional flat seal or continuous seal, or optional protection grid, arrangement as required. All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 287    | 287    | 150    | 120         | ePM10 55%    | 150      | 540       | 90       | 2,2  | 1,3 |
| 287    | 592    | 150    | 120         | ePM10 55%    | 378      | 1360      | 90       | 5,1  | 2,5 |
| 490    | 592    | 150    | 120         | ePM10 55%    | 756      | 2720      | 90       | 9,6  | 4,2 |
| 592    | 592    | 150    | 120         | ePM10 55%    | 944      | 3400      | 90       | 11,8 | 5,1 |
| 287    | 287    | 150    | 120         | ePM1 65%     | 150      | 540       | 110      | 2,2  | 1,3 |
| 287    | 592    | 150    | 120         | ePM1 65%     | 378      | 1360      | 110      | 5,1  | 2,5 |
| 490    | 592    | 150    | 120         | ePM1 65%     | 756      | 2720      | 110      | 9,6  | 4,2 |
| 592    | 592    | 150    | 120         | ePM1 65%     | 944      | 3400      | 110      | 11,8 | 5,1 |
| 287    | 287    | 150    | 120         | ePM1 90%     | 150      | 540       | 150      | 2,2  | 1,3 |
| 287    | 592    | 150    | 120         | ePM1 90%     | 378      | 1360      | 150      | 5,1  | 2,5 |
| 490    | 592    | 150    | 120         | ePM1 90%     | 756      | 2720      | 150      | 9,6  | 4,2 |
| 592    | 592    | 150    | 120         | ePM1 90%     | 944      | 3400      | 150      | 11,8 | 5,1 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

MFP-...MDFF

MFP-...MDFF, side view



**Product specific data MFP-MDFF**

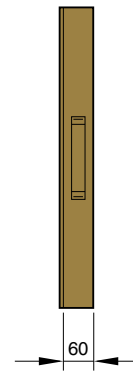
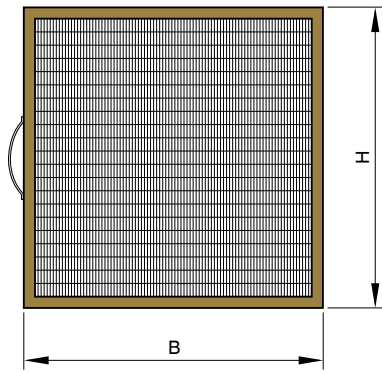
Delivery version: Mini Pleat filter plates with frame made of pulpwod with head frame, without seal as standard. All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④   | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|-----|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²  | kg  |
| 287    | 592    | 60     | 50          | ePM10 55%    | 303      | 1090      | 90       | 3,2 | 2   |
| 592    | 592    | 60     | 50          | ePM10 55%    | 694      | 2500      | 90       | 7,3 | 3,5 |
| 287    | 592    | 60     | 50          | ePM1 65%     | 303      | 1090      | 110      | 3,2 | 2   |
| 592    | 592    | 60     | 50          | ePM1 65%     | 694      | 2500      | 110      | 7,3 | 3,5 |
| 287    | 592    | 60     | 50          | ePM1 90%     | 303      | 1090      | 150      | 3,2 | 2   |
| 592    | 592    | 60     | 50          | ePM1 90%     | 694      | 2500      | 150      | 7,3 | 3,5 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

MFP-...-MDF

MFP-...-MDF, side view

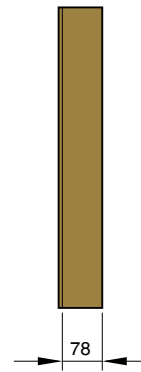
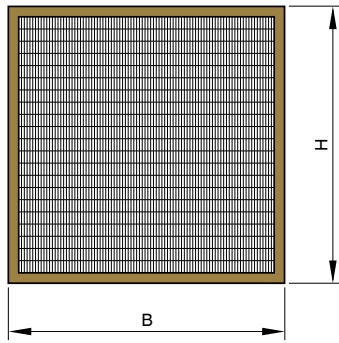


**Product specific data MFP-MDF**

Delivery version: Mini Pleat filter plates with a frame made of fibrous wood as standard with a flat profile seal on the upstream side and with a handle (pre-filter for duct filter, series KSFS). All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 305    | 610    | 60     | 46          | ePM10 55 %   | 389      | 1400      | 90       | 3,8  | 2,4 |
| 610    | 610    | 60     | 46          | ePM10 55 %   | 833      | 3000      | 90       | 8,2  | 3,2 |
| 762    | 610    | 60     | 46          | ePM10 55 %   | 1056     | 3800      | 90       | 10,3 | 3,7 |
| 305    | 610    | 60     | 46          | ePM1 65%     | 389      | 1400      | 110      | 3,8  | 2,4 |
| 610    | 610    | 60     | 46          | ePM1 65%     | 833      | 3000      | 110      | 8,2  | 3,2 |
| 762    | 610    | 60     | 46          | ePM1 65%     | 1056     | 3800      | 110      | 10,3 | 3,7 |
| 305    | 610    | 60     | 46          | ePM1 90 %    | 389      | 1400      | 150      | 3,8  | 2,4 |
| 610    | 610    | 60     | 46          | ePM1 90 %    | 833      | 3000      | 150      | 8,2  | 3,2 |
| 762    | 610    | 60     | 46          | ePM1 90 %    | 1056     | 3800      | 150      | 10,3 | 3,7 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

**MFP-...-MDF**
**MFP-...-MDF, side view**

**Product specific data MFP-MDF**

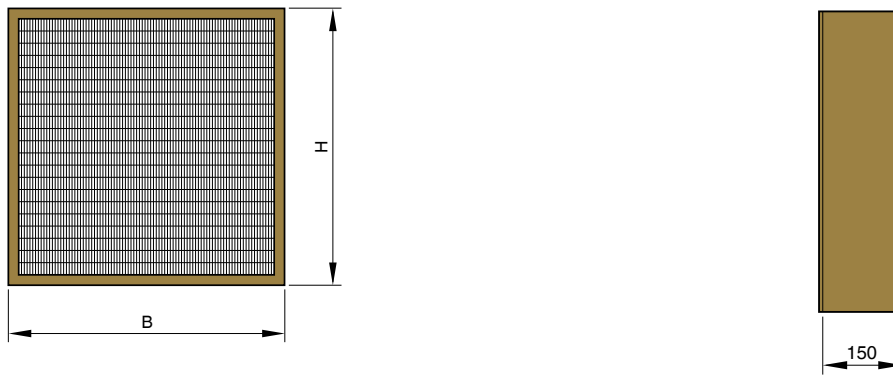
Delivery version: Mini Pleat filter plates with frame made of galvanized sheet steel or stainless steel as standard with flat profile seal on the upstream side and with handle (prefilter for duct particle filter, KSFS series). All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 305    | 305    | 78     | 46          | ePM10 55%    | 182      | 655       | 90       | 1,8  | 1,5 |
| 345    | 345    | 78     | 46          | ePM10 55%    | 240      | 865       | 90       | 2,3  | 1,8 |
| 435    | 435    | 78     | 46          | ePM10 55%    | 401      | 1445      | 90       | 3,9  | 2   |
| 457    | 457    | 78     | 46          | ePM10 55%    | 447      | 1610      | 90       | 4,4  | 2,5 |
| 535    | 535    | 78     | 46          | ePM10 55%    | 629      | 2265      | 90       | 6,2  | 3,1 |
| 575    | 575    | 78     | 46          | ePM10 55%    | 735      | 2645      | 90       | 7,2  | 3,4 |
| 305    | 610    | 78     | 46          | ePM10 55%    | 389      | 1400      | 90       | 3,8  | 3   |
| 610    | 610    | 78     | 46          | ePM10 55%    | 833      | 3000      | 90       | 8,2  | 3,5 |
| 305    | 305    | 78     | 46          | ePM1 65%     | 182      | 655       | 110      | 1,8  | 1,5 |
| 345    | 345    | 78     | 46          | ePM1 65%     | 240      | 865       | 110      | 2,3  | 1,8 |
| 435    | 435    | 78     | 46          | ePM1 65%     | 401      | 1445      | 110      | 3,9  | 2   |
| 457    | 457    | 78     | 46          | ePM1 65%     | 447      | 1610      | 110      | 4,4  | 2,5 |
| 535    | 535    | 78     | 46          | ePM1 65%     | 629      | 2265      | 110      | 6,2  | 3,1 |
| 575    | 575    | 78     | 46          | ePM1 65%     | 735      | 2645      | 110      | 7,2  | 3,4 |
| 305    | 610    | 78     | 46          | ePM1 65%     | 389      | 1400      | 110      | 3,8  | 2,5 |
| 610    | 610    | 78     | 46          | ePM1 65%     | 833      | 3000      | 110      | 8,2  | 3,5 |
| 305    | 305    | 78     | 46          | ePM1 90%     | 182      | 655       | 150      | 1,8  | 1,5 |
| 345    | 345    | 78     | 46          | ePM1 90%     | 240      | 865       | 150      | 2,3  | 1,8 |
| 435    | 435    | 78     | 46          | ePM1 90%     | 401      | 1445      | 150      | 3,9  | 2   |
| 457    | 457    | 78     | 46          | ePM1 90%     | 447      | 1610      | 150      | 4,4  | 2,5 |
| 535    | 535    | 78     | 46          | ePM1 90%     | 629      | 2265      | 150      | 6,2  | 3,1 |
| 575    | 575    | 78     | 46          | ePM1 90%     | 735      | 2645      | 150      | 7,2  | 3,4 |
| 305    | 610    | 78     | 46          | ePM1 90%     | 389      | 1400      | 150      | 3,8  | 2,5 |
| 610    | 610    | 78     | 46          | ePM1 90%     | 833      | 3000      | 150      | 8,2  | 3,5 |
| 203    | 203    | 78     | 46          | E11          | 28       | 100       | 125      | 0,7  | 1   |
| 305    | 305    | 78     | 46          | E11          | 72       | 260       | 125      | 1,9  | 1,5 |
| 345    | 345    | 78     | 46          | E11          | 96       | 345       | 125      | 2,5  | 1,8 |
| 435    | 435    | 78     | 46          | E11          | 160      | 575       | 125      | 4,2  | 2   |
| 457    | 457    | 78     | 46          | E11          | 178      | 640       | 125      | 4,1  | 2,5 |
| 535    | 535    | 78     | 46          | E11          | 250      | 900       | 125      | 6,6  | 3,1 |
| 835    | 535    | 78     | 46          | E11          | 400      | 1440      | 125      | 10,7 | 4,2 |
| 1135   | 535    | 78     | 46          | E11          | 551      | 1985      | 125      | 14,7 | 5,2 |
| 557    | 557    | 78     | 46          | E11          | 272      | 980       | 125      | 7,2  | 3,3 |
| 575    | 575    | 78     | 46          | E11          | 292      | 1050      | 125      | 7,8  | 3,4 |
| 305    | 610    | 78     | 46          | E11          | 154      | 555       | 125      | 4,1  | 2,5 |
| 457    | 610    | 78     | 46          | E11          | 242      | 870       | 125      | 6,4  | 3   |
| 610    | 610    | 78     | 46          | E11          | 331      | 1190      | 125      | 8,8  | 3,5 |
| 762    | 610    | 78     | 46          | E11          | 418      | 1505      | 125      | 11,1 | 4   |
| 915    | 610    | 78     | 46          | E11          | 507      | 1825      | 125      | 13,5 | 4,5 |

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 1220   | 610    | 78     | 46          | E11          | 683      | 2460      | 125      | 18,2 | 5,7  |
| 1525   | 610    | 78     | 46          | E11          | 860      | 3095      | 125      | 22,9 | 7,1  |
| 1830   | 610    | 78     | 46          | E11          | 1036     | 3730      | 125      | 27,6 | 8,6  |
| 762    | 762    | 78     | 46          | E11          | 529      | 1905      | 125      | 14,1 | 4,4  |
| 915    | 762    | 78     | 46          | E11          | 642      | 2310      | 125      | 17,1 | 5,3  |
| 1220   | 762    | 78     | 46          | E11          | 864      | 3110      | 125      | 23   | 7,2  |
| 1525   | 762    | 78     | 46          | E11          | 1088     | 3915      | 125      | 28,9 | 9    |
| 1830   | 762    | 78     | 46          | E11          | 1311     | 4720      | 125      | 34,9 | 10,9 |
| 915    | 915    | 78     | 46          | E11          | 776      | 2795      | 125      | 20,7 | 6,4  |
| 1220   | 915    | 78     | 46          | E11          | 1047     | 3770      | 125      | 27,9 | 8,7  |
| 1525   | 915    | 78     | 46          | E11          | 1318     | 4745      | 125      | 35,1 | 10,9 |
| 1830   | 915    | 78     | 46          | E11          | 1588     | 5715      | 125      | 42,2 | 13,2 |
| 203    | 203    | 78     | 46          | H13          | 28       | 100       | 250      | 0,7  | 1    |
| 305    | 305    | 78     | 46          | H13          | 72       | 260       | 250      | 1,9  | 1,5  |
| 345    | 345    | 78     | 46          | H13          | 96       | 345       | 250      | 2,5  | 1,8  |
| 435    | 435    | 78     | 46          | H13          | 160      | 575       | 250      | 4,2  | 2    |
| 457    | 457    | 78     | 46          | H13          | 178      | 640       | 250      | 4,7  | 2,5  |
| 535    | 535    | 78     | 46          | H13          | 250      | 900       | 250      | 6,6  | 3,1  |
| 835    | 535    | 78     | 46          | H13          | 400      | 1440      | 250      | 10,7 | 4,2  |
| 1135   | 535    | 78     | 46          | H13          | 551      | 1985      | 250      | 14,7 | 5,2  |
| 557    | 557    | 78     | 46          | H13          | 272      | 980       | 250      | 7,2  | 3,3  |
| 575    | 575    | 78     | 46          | H13          | 292      | 1050      | 250      | 7,8  | 3,4  |
| 305    | 610    | 78     | 46          | H13          | 154      | 555       | 250      | 4,1  | 2,5  |
| 457    | 610    | 78     | 46          | H13          | 242      | 870       | 250      | 6,4  | 3    |
| 610    | 610    | 78     | 46          | H13          | 331      | 1190      | 250      | 8,8  | 3,5  |
| 762    | 610    | 78     | 46          | H13          | 418      | 1505      | 250      | 11,1 | 4    |
| 915    | 610    | 78     | 46          | H13          | 507      | 1825      | 250      | 13,5 | 4,5  |
| 1220   | 610    | 78     | 46          | H13          | 683      | 2460      | 250      | 18,2 | 5,7  |
| 1525   | 610    | 78     | 46          | H13          | 860      | 3095      | 250      | 22,9 | 7,1  |
| 1830   | 610    | 78     | 46          | H13          | 1036     | 3730      | 250      | 27,6 | 8,6  |
| 762    | 762    | 78     | 46          | H13          | 529      | 1905      | 250      | 14,1 | 4,4  |
| 915    | 762    | 78     | 46          | H13          | 642      | 2310      | 250      | 17,1 | 5,3  |
| 1220   | 762    | 78     | 46          | H13          | 864      | 3110      | 250      | 23   | 7,2  |
| 1525   | 762    | 78     | 46          | H13          | 1088     | 3915      | 250      | 28,9 | 9    |
| 1830   | 762    | 78     | 46          | H13          | 1311     | 4720      | 250      | 34,9 | 10,9 |
| 915    | 915    | 78     | 46          | H13          | 776      | 2795      | 250      | 20,7 | 6,4  |
| 1220   | 915    | 78     | 46          | H13          | 1047     | 3770      | 250      | 27,9 | 8,7  |
| 1525   | 915    | 78     | 46          | H13          | 1318     | 4745      | 250      | 35,1 | 10,9 |
| 1830   | 915    | 78     | 46          | H13          | 1588     | 5715      | 250      | 42,2 | 13,2 |
| 203    | 203    | 78     | 46          | H14          | 14       | 50        | 120      | 0,8  | 1    |
| 305    | 305    | 78     | 46          | H14          | 36       | 130       | 120      | 2,1  | 1,5  |
| 345    | 345    | 78     | 46          | H14          | 49       | 175       | 120      | 2,8  | 1,8  |
| 435    | 435    | 78     | 46          | H14          | 81       | 290       | 120      | 4,7  | 2    |
| 457    | 457    | 78     | 46          | H14          | 90       | 325       | 120      | 5,2  | 2,5  |
| 535    | 535    | 78     | 46          | H14          | 126      | 455       | 120      | 7,4  | 3,1  |
| 835    | 535    | 78     | 46          | H14          | 203      | 730       | 120      | 11,8 | 4,2  |
| 1135   | 535    | 78     | 46          | H14          | 281      | 1010      | 120      | 16,3 | 5,2  |
| 557    | 557    | 78     | 46          | H14          | 139      | 500       | 120      | 8    | 3,3  |
| 575    | 575    | 78     | 46          | H14          | 149      | 535       | 120      | 8,6  | 3,4  |
| 305    | 610    | 78     | 46          | H14          | 78       | 280       | 120      | 4,6  | 2,5  |
| 457    | 610    | 78     | 46          | H14          | 124      | 445       | 120      | 7,2  | 3    |
| 610    | 610    | 78     | 46          | H14          | 168      | 605       | 120      | 9,8  | 3,5  |
| 762    | 610    | 78     | 46          | H14          | 213      | 765       | 120      | 12,4 | 4    |
| 915    | 610    | 78     | 46          | H14          | 258      | 930       | 120      | 15   | 4,5  |
| 1220   | 610    | 78     | 46          | H14          | 347      | 1250      | 120      | 20,2 | 5,7  |
| 203    | 203    | 78     | 64          | H13          | 35       | 125       | 250      | 1    | 1    |
| 305    | 305    | 78     | 64          | H13          | 90       | 325       | 250      | 2,5  | 1,5  |
| 345    | 345    | 78     | 64          | H13          | 119      | 430       | 250      | 3,3  | 1,8  |
| 435    | 435    | 78     | 64          | H13          | 201      | 725       | 250      | 5,5  | 2    |

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 457    | 457    | 78     | 64          | H13          | 224      | 805       | 250      | 6,2  | 2,5  |
| 535    | 535    | 78     | 64          | H13          | 314      | 1130      | 250      | 8,7  | 3,1  |
| 835    | 535    | 78     | 64          | H13          | 504      | 1815      | 250      | 14   | 4,2  |
| 1135   | 535    | 78     | 64          | H13          | 694      | 2500      | 250      | 19,2 | 5,2  |
| 557    | 557    | 78     | 64          | H13          | 343      | 1235      | 250      | 9,5  | 3,3  |
| 575    | 575    | 78     | 64          | H13          | 367      | 1320      | 250      | 10,2 | 3,4  |
| 305    | 610    | 78     | 64          | H13          | 194      | 700       | 250      | 5,4  | 2,5  |
| 457    | 610    | 78     | 64          | H13          | 306      | 1100      | 250      | 8,4  | 3    |
| 610    | 610    | 78     | 64          | H13          | 417      | 1500      | 250      | 11,5 | 3,5  |
| 762    | 610    | 78     | 64          | H13          | 528      | 1900      | 250      | 14,6 | 4    |
| 915    | 610    | 78     | 64          | H13          | 639      | 2300      | 250      | 17,7 | 4,5  |
| 1220   | 610    | 78     | 64          | H13          | 861      | 3100      | 250      | 23,8 | 5,7  |
| 1525   | 610    | 78     | 64          | H13          | 1083     | 3900      | 250      | 29,9 | 7,2  |
| 1830   | 610    | 78     | 64          | H13          | 1306     | 4700      | 250      | 36,1 | 8,7  |
| 762    | 762    | 78     | 64          | H13          | 668      | 2405      | 250      | 18,5 | 4,5  |
| 915    | 762    | 78     | 64          | H13          | 808      | 2910      | 250      | 22,3 | 5,4  |
| 1220   | 762    | 78     | 64          | H13          | 1090     | 3925      | 250      | 30,1 | 7,3  |
| 1525   | 762    | 78     | 64          | H13          | 1371     | 4935      | 250      | 37,9 | 9,1  |
| 1830   | 762    | 78     | 64          | H13          | 1653     | 5950      | 250      | 45,6 | 11   |
| 915    | 915    | 78     | 64          | H13          | 979      | 3525      | 250      | 27,1 | 6,5  |
| 1220   | 915    | 78     | 64          | H13          | 1319     | 4750      | 250      | 36,4 | 8,8  |
| 1525   | 915    | 78     | 64          | H13          | 1661     | 5980      | 250      | 45,8 | 11   |
| 1830   | 915    | 78     | 64          | H13          | 2001     | 7205      | 250      | 55,2 | 13,3 |
| 203    | 203    | 78     | 64          | H14          | 18       | 65        | 120      | 1,1  | 1    |
| 305    | 305    | 78     | 64          | H14          | 46       | 165       | 120      | 2,8  | 1,5  |
| 345    | 345    | 78     | 64          | H14          | 60       | 215       | 120      | 3,7  | 1,8  |
| 435    | 435    | 78     | 64          | H14          | 101      | 365       | 120      | 6,2  | 2    |
| 457    | 457    | 78     | 64          | H14          | 113      | 405       | 120      | 6,9  | 2,5  |
| 535    | 535    | 78     | 64          | H14          | 158      | 570       | 120      | 9,7  | 3,1  |
| 835    | 535    | 78     | 64          | H14          | 251      | 905       | 120      | 15,6 | 4,2  |
| 1135   | 535    | 78     | 64          | H14          | 350      | 1260      | 120      | 21,4 | 5,2  |
| 557    | 557    | 78     | 64          | H14          | 172      | 620       | 120      | 10,6 | 3,3  |
| 575    | 575    | 78     | 64          | H14          | 185      | 665       | 120      | 11,3 | 3,4  |
| 305    | 610    | 78     | 64          | H14          | 97       | 350       | 120      | 6    | 2,5  |
| 457    | 610    | 78     | 64          | H14          | 154      | 555       | 120      | 9,4  | 3    |
| 610    | 610    | 78     | 64          | H14          | 210      | 755       | 120      | 12,9 | 3,5  |
| 762    | 610    | 78     | 64          | H14          | 265      | 955       | 120      | 16,3 | 4    |
| 915    | 610    | 78     | 64          | H14          | 322      | 1160      | 120      | 19,7 | 4,5  |
| 1220   | 610    | 78     | 64          | H14          | 433      | 1560      | 120      | 26,6 | 5,7  |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

**MFP-...-MDF**
**MFP-...-MDF, side view**

**Product specific data MFP-MDF**

Standard construction: As standard, Mini Pleat filter panels with a frame made of MDF are fitted with a flat seal on the upstream side. Filter classes H13 and H14 with leakage test. Optional test groove seal on the upstream side (for filter classes H13 and H14), flat section or continuous seal, or optional protection grid, arrangement as required. All weights are net, without packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 203    | 203    | 150    | 46          | E11          | 28       | 100       | 125      | 0,7  | 1    |
| 305    | 305    | 150    | 46          | E11          | 72       | 260       | 125      | 1,9  | 3,3  |
| 345    | 345    | 150    | 46          | E11          | 96       | 345       | 125      | 2,5  | 4,2  |
| 435    | 435    | 150    | 46          | E11          | 160      | 575       | 125      | 4,2  | 4,8  |
| 457    | 457    | 150    | 46          | E11          | 178      | 640       | 125      | 4,7  | 5,3  |
| 535    | 535    | 150    | 46          | E11          | 250      | 900       | 125      | 6,6  | 6,7  |
| 575    | 575    | 150    | 46          | E11          | 292      | 1050      | 125      | 7,8  | 7    |
| 305    | 610    | 150    | 46          | E11          | 154      | 555       | 125      | 4,1  | 4,8  |
| 457    | 610    | 150    | 46          | E11          | 242      | 870       | 125      | 6,4  | 6,2  |
| 610    | 610    | 150    | 46          | E11          | 331      | 1190      | 125      | 8,8  | 7,5  |
| 762    | 610    | 150    | 46          | E11          | 418      | 1505      | 125      | 11,1 | 8,8  |
| 915    | 610    | 150    | 46          | E11          | 507      | 1825      | 125      | 13,5 | 10   |
| 1220   | 610    | 150    | 46          | E11          | 683      | 2460      | 125      | 18,2 | 12,7 |
| 1525   | 610    | 150    | 46          | E11          | 860      | 3095      | 125      | 0,7  | 1    |
| 1830   | 610    | 150    | 46          | E11          | 1036     | 3730      | 125      | 1,9  | 3,3  |
| 762    | 762    | 150    | 46          | E11          | 529      | 1905      | 125      | 2,5  | 4,2  |
| 915    | 762    | 150    | 46          | E11          | 642      | 2310      | 125      | 4,2  | 4,8  |
| 1220   | 762    | 150    | 46          | E11          | 864      | 3110      | 125      | 23   | 16   |
| 1525   | 762    | 150    | 46          | E11          | 1088     | 3915      | 125      | 6,6  | 6,7  |
| 1830   | 762    | 150    | 46          | E11          | 1311     | 4720      | 125      | 7,8  | 7    |
| 915    | 915    | 150    | 46          | E11          | 776      | 2795      | 125      | 4,1  | 4,8  |
| 1220   | 915    | 150    | 46          | E11          | 1047     | 3770      | 125      | 6,4  | 6,2  |
| 1525   | 915    | 150    | 46          | E11          | 1318     | 4745      | 125      | 8,8  | 7,5  |
| 1830   | 915    | 150    | 46          | E11          | 1588     | 5715      | 125      | 11,1 | 8,8  |
| 203    | 203    | 150    | 46          | H13          | 28       | 100       | 250      | 0,7  | 1    |
| 305    | 305    | 150    | 46          | H13          | 72       | 260       | 250      | 1,9  | 3,3  |
| 345    | 345    | 150    | 46          | H13          | 96       | 345       | 250      | 2,5  | 4,2  |
| 435    | 435    | 150    | 46          | H13          | 160      | 575       | 250      | 4,2  | 4,8  |
| 457    | 457    | 150    | 46          | H13          | 178      | 640       | 250      | 4,7  | 5,3  |
| 535    | 535    | 150    | 46          | H13          | 250      | 900       | 250      | 6,6  | 6,7  |
| 575    | 575    | 150    | 46          | H13          | 292      | 1050      | 250      | 7,8  | 7    |
| 305    | 610    | 150    | 46          | H13          | 154      | 555       | 250      | 4,1  | 4,8  |
| 457    | 610    | 150    | 46          | H13          | 242      | 870       | 250      | 6,4  | 6,2  |
| 610    | 610    | 150    | 46          | H13          | 331      | 1190      | 250      | 8,8  | 7,5  |
| 762    | 610    | 150    | 46          | H13          | 418      | 1505      | 250      | 11,1 | 8,8  |
| 915    | 610    | 150    | 46          | H13          | 507      | 1825      | 250      | 13,5 | 10   |
| 1220   | 610    | 150    | 46          | H13          | 683      | 2460      | 250      | 18,2 | 12,7 |
| 1525   | 610    | 150    | 46          | H13          | 860      | 3095      | 250      | 22,9 | 15,9 |

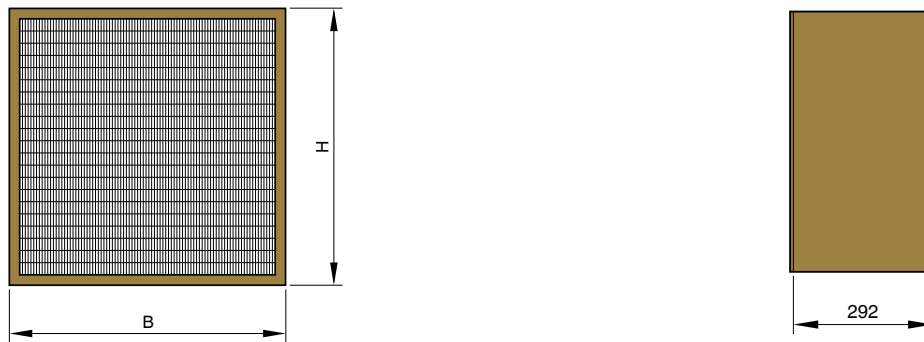
| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 1830   | 610    | 150    | 46          | H13          | 1036     | 3730      | 250      | 27,6 | 19,2 |
| 762    | 762    | 150    | 46          | H13          | 529      | 1905      | 250      | 14,1 | 9,8  |
| 915    | 762    | 150    | 46          | H13          | 642      | 2310      | 250      | 17,1 | 11,9 |
| 1220   | 762    | 150    | 46          | H13          | 864      | 3110      | 250      | 23   | 16   |
| 1525   | 762    | 150    | 46          | H13          | 1088     | 3915      | 250      | 28,9 | 20,2 |
| 1830   | 762    | 150    | 46          | H13          | 1311     | 4720      | 250      | 34,9 | 24,3 |
| 915    | 915    | 150    | 46          | H13          | 776      | 2795      | 250      | 20,7 | 14,4 |
| 1220   | 915    | 150    | 46          | H13          | 1047     | 3770      | 250      | 27,9 | 19,4 |
| 1525   | 915    | 150    | 46          | H13          | 1318     | 4745      | 250      | 35,1 | 24,4 |
| 1830   | 915    | 150    | 46          | H13          | 1588     | 5715      | 250      | 42,2 | 29,5 |
| 203    | 203    | 150    | 64          | H13          | 35       | 125       | 250      | 1    | 1,2  |
| 305    | 305    | 150    | 64          | H13          | 90       | 325       | 250      | 2,5  | 3,4  |
| 345    | 345    | 150    | 64          | H13          | 119      | 430       | 250      | 3,3  | 4,3  |
| 435    | 435    | 150    | 64          | H13          | 201      | 725       | 250      | 5,5  | 5    |
| 457    | 457    | 150    | 64          | H13          | 224      | 805       | 250      | 6,2  | 5,6  |
| 535    | 535    | 150    | 64          | H13          | 314      | 1130      | 250      | 8,7  | 7,4  |
| 575    | 575    | 150    | 64          | H13          | 367      | 1320      | 250      | 10,2 | 7,6  |
| 305    | 610    | 150    | 64          | H13          | 194      | 700       | 250      | 5,4  | 5,2  |
| 457    | 610    | 150    | 64          | H13          | 306      | 1100      | 250      | 8,4  | 6,1  |
| 610    | 610    | 150    | 64          | H13          | 417      | 1500      | 250      | 11,5 | 8,1  |
| 762    | 610    | 150    | 64          | H13          | 528      | 1900      | 250      | 14,6 | 9,6  |
| 915    | 610    | 150    | 64          | H13          | 639      | 2300      | 250      | 17,7 | 11   |
| 1220   | 610    | 150    | 64          | H13          | 861      | 3100      | 250      | 23,8 | 14   |
| 1525   | 610    | 150    | 64          | H13          | 1083     | 3900      | 250      | 29,9 | 17,6 |
| 1830   | 610    | 150    | 64          | H13          | 1306     | 4700      | 250      | 36,1 | 21,2 |
| 762    | 762    | 150    | 64          | H13          | 668      | 2405      | 250      | 18,5 | 10,8 |
| 915    | 762    | 150    | 64          | H13          | 808      | 2910      | 250      | 22,3 | 13,1 |
| 1220   | 762    | 150    | 64          | H13          | 1090     | 3925      | 250      | 30,1 | 17,7 |
| 1525   | 762    | 150    | 64          | H13          | 1371     | 4935      | 250      | 37,9 | 22,2 |
| 1830   | 762    | 150    | 64          | H13          | 1653     | 5950      | 250      | 45,6 | 26,8 |
| 915    | 915    | 150    | 64          | H13          | 979      | 3525      | 250      | 27,1 | 15,9 |
| 1220   | 915    | 150    | 64          | H13          | 1319     | 4750      | 250      | 36,4 | 21,4 |
| 1525   | 915    | 150    | 64          | H13          | 1661     | 5980      | 250      | 45,8 | 27   |
| 1830   | 915    | 150    | 64          | H13          | 2001     | 7205      | 250      | 55,2 | 32,5 |
| 203    | 203    | 150    | 120         | H13          | 49       | 175       | 250      | 1,5  | 1,5  |
| 305    | 305    | 150    | 120         | H13          | 128      | 460       | 250      | 3,9  | 3,6  |
| 345    | 345    | 150    | 120         | H13          | 168      | 605       | 250      | 5,2  | 4,6  |
| 435    | 435    | 150    | 120         | H13          | 281      | 1010      | 250      | 8,7  | 5,2  |
| 457    | 457    | 150    | 120         | H13          | 313      | 1125      | 250      | 9,6  | 5,8  |
| 535    | 535    | 150    | 120         | H13          | 440      | 1585      | 250      | 13,6 | 7,2  |
| 575    | 575    | 150    | 120         | H13          | 514      | 1850      | 250      | 15,9 | 8,2  |
| 305    | 610    | 150    | 120         | H13          | 272      | 980       | 250      | 8,4  | 5,6  |
| 457    | 610    | 150    | 120         | H13          | 428      | 1540      | 250      | 13,2 | 6,5  |
| 610    | 610    | 150    | 120         | H13          | 583      | 2100      | 250      | 18   | 8,6  |
| 762    | 610    | 150    | 120         | H13          | 739      | 2660      | 250      | 22,8 | 10,1 |
| 915    | 610    | 150    | 120         | H13          | 894      | 3220      | 250      | 27,6 | 11,5 |
| 1220   | 610    | 150    | 120         | H13          | 1206     | 4340      | 250      | 37,2 | 14,5 |
| 203    | 203    | 150    | 120         | H14          | 26       | 95        | 140      | 1,5  | 1,5  |
| 305    | 305    | 150    | 120         | H14          | 69       | 250       | 140      | 3,9  | 3,6  |
| 345    | 345    | 150    | 120         | H14          | 92       | 330       | 140      | 5,2  | 4,6  |
| 435    | 435    | 150    | 120         | H14          | 154      | 555       | 140      | 8,7  | 5,2  |
| 457    | 457    | 150    | 120         | H14          | 171      | 615       | 140      | 9,6  | 5,8  |
| 535    | 535    | 150    | 120         | H14          | 242      | 870       | 140      | 13,6 | 7,2  |
| 575    | 575    | 150    | 120         | H14          | 282      | 1015      | 140      | 15,9 | 8,2  |
| 305    | 610    | 150    | 120         | H14          | 149      | 535       | 140      | 8,4  | 5,6  |
| 457    | 610    | 150    | 120         | H14          | 233      | 840       | 140      | 13,2 | 6,5  |
| 610    | 610    | 150    | 120         | H14          | 319      | 1150      | 140      | 18   | 8,6  |
| 762    | 610    | 150    | 120         | H14          | 404      | 1455      | 140      | 22,8 | 10,1 |
| 915    | 610    | 150    | 120         | H14          | 490      | 1765      | 140      | 27,6 | 11,5 |





| ①      |        |        |             |              | ②        |                        | ③        | ④              | ⑤    |
|--------|--------|--------|-------------|--------------|----------|------------------------|----------|----------------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m <sup>3</sup> /h] | ΔpA [Pa] | m <sup>2</sup> | kg   |
| 1220   | 610    | 150    | 120         | H14          | 660      | 2375                   | 140      | 37,2           | 14,5 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

**MFP-...-MDF**
**MFP-...-MDF, side view**

**Product specific data MFP-MDF**

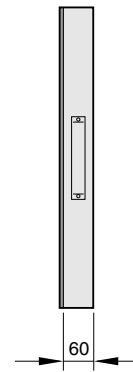
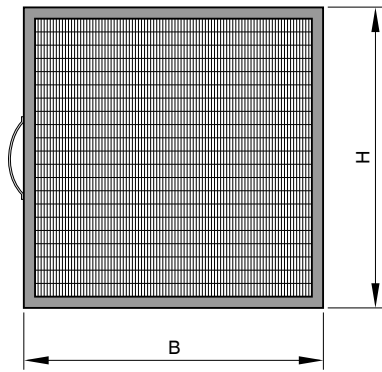
Standard construction: As standard, Mini Pleat filter panels with a frame made of MDF are fitted with a flat seal on the upstream side. Filter classes H13 and H14 with leakage test. Optional test groove seal on the upstream side (for filter classes H13 and H14), flat section or continuous seal, or optional protection grid, arrangement as required. All weights are net, without packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 305    | 305    | 292    | 150         | E11          | 128      | 460       | 125      | 4,5  | 6,3  |
| 457    | 457    | 292    | 150         | E11          | 314      | 1130      | 125      | 11   | 10   |
| 305    | 610    | 292    | 150         | E11          | 272      | 980       | 125      | 9,6  | 9    |
| 457    | 610    | 292    | 150         | E11          | 428      | 1540      | 125      | 15   | 10,5 |
| 610    | 610    | 292    | 150         | E11          | 583      | 2100      | 125      | 20,5 | 14   |
| 762    | 610    | 292    | 150         | E11          | 739      | 2660      | 125      | 26   | 17   |
| 915    | 610    | 292    | 150         | E11          | 875      | 3150      | 125      | 30,8 | 20,4 |
| 1220   | 610    | 292    | 150         | E11          | 1186     | 4270      | 125      | 41,8 | 27,2 |
| 305    | 305    | 292    | 120         | H13          | 128      | 460       | 250      | 3,9  | 6,3  |
| 457    | 457    | 292    | 120         | H13          | 314      | 1130      | 250      | 9,6  | 10   |
| 305    | 610    | 292    | 120         | H13          | 272      | 980       | 250      | 8,4  | 9    |
| 457    | 610    | 292    | 120         | H13          | 428      | 1540      | 250      | 13,2 | 10,5 |
| 610    | 610    | 292    | 120         | H13          | 583      | 2100      | 250      | 18   | 14   |
| 762    | 610    | 292    | 120         | H13          | 739      | 2660      | 250      | 22,8 | 17   |
| 915    | 610    | 292    | 120         | H13          | 875      | 3150      | 250      | 27   | 20,4 |
| 1220   | 610    | 292    | 120         | H13          | 1186     | 4270      | 250      | 36,6 | 27,2 |
| 305    | 305    | 292    | 180         | H13          | 151      | 545       | 250      | 4,8  | 6,5  |
| 457    | 457    | 292    | 180         | H13          | 372      | 1340      | 250      | 12   | 10,5 |
| 305    | 610    | 292    | 180         | H13          | 324      | 1165      | 250      | 10,4 | 9,5  |
| 457    | 610    | 292    | 180         | H13          | 508      | 1830      | 250      | 16,3 | 11,5 |
| 610    | 610    | 292    | 180         | H13          | 694      | 2500      | 250      | 22,3 | 15   |
| 762    | 610    | 292    | 180         | H13          | 879      | 3165      | 250      | 28,2 | 18,5 |
| 915    | 610    | 292    | 180         | H13          | 1042     | 3750      | 250      | 33,5 | 22,2 |
| 1220   | 610    | 292    | 180         | H13          | 1413     | 5085      | 250      | 45,3 | 29,6 |
| 305    | 305    | 292    | 180         | H14          | 90       | 325       | 140      | 4,8  | 6,5  |
| 457    | 457    | 292    | 180         | H14          | 224      | 805       | 140      | 12   | 10,5 |
| 305    | 610    | 292    | 180         | H14          | 194      | 700       | 140      | 10,4 | 9,5  |
| 457    | 610    | 292    | 180         | H14          | 306      | 1100      | 140      | 16,3 | 11,5 |
| 610    | 610    | 292    | 180         | H14          | 417      | 1500      | 140      | 22,3 | 15   |
| 762    | 610    | 292    | 180         | H14          | 528      | 1900      | 140      | 28,2 | 18,5 |
| 915    | 610    | 292    | 180         | H14          | 625      | 2250      | 140      | 33,5 | 22,2 |
| 1220   | 610    | 292    | 180         | H14          | 847      | 3050      | 140      | 45,3 | 29,6 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

MFP-...-GAL/STA

MFP-...-GAL/STA, side view

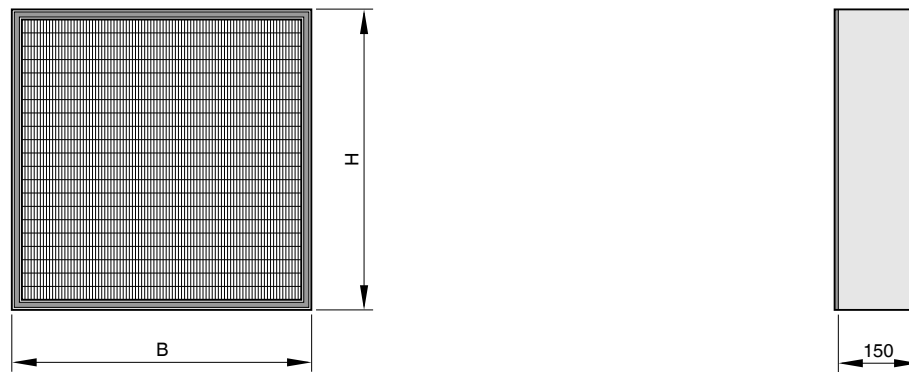


**Product specific data MFP-GAL/STA**

Delivery version: Mini Pleat filter plates with frame made of galvanized sheet steel or stainless steel as standard with flat profile seal on the upstream side and with handle (prefilter for duct particle filter, KSFS series). All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 305    | 610    | 60     | 50          | ePM10 55 %   | 389      | 1400      | 90       | 4,5  | 2,5 |
| 610    | 610    | 60     | 50          | ePM10 55 %   | 833      | 3000      | 90       | 9,1  | 3,3 |
| 762    | 610    | 60     | 50          | ePM10 55 %   | 1056     | 3800      | 90       | 11,4 | 3,8 |
| 305    | 610    | 60     | 50          | ePM1 65%     | 389      | 1400      | 110      | 4,5  | 2,5 |
| 610    | 610    | 60     | 50          | ePM1 65%     | 833      | 3000      | 110      | 9,1  | 3,3 |
| 762    | 610    | 60     | 50          | ePM1 65%     | 1056     | 3800      | 110      | 11,4 | 3,8 |
| 305    | 610    | 60     | 50          | ePM1 90 %    | 389      | 1400      | 150      | 4,5  | 2,5 |
| 610    | 610    | 60     | 50          | ePM1 90 %    | 833      | 3000      | 150      | 9,1  | 3,3 |
| 762    | 610    | 60     | 50          | ePM1 90 %    | 1056     | 3800      | 150      | 11,4 | 3,8 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

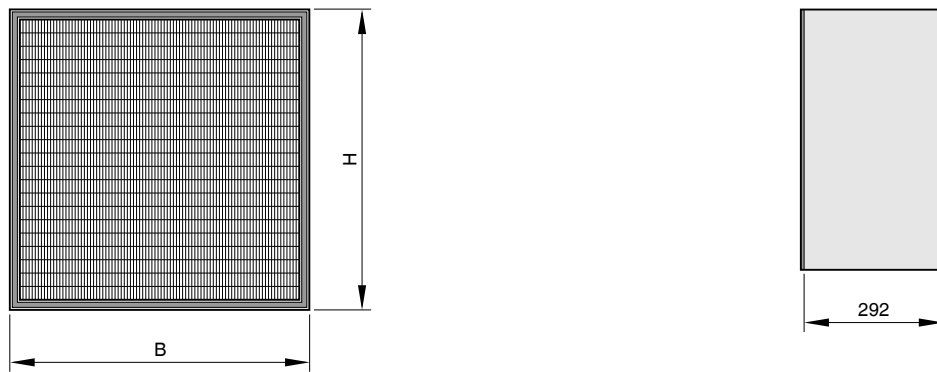
**MFP-...-GAL/STA**
**MFP-...-GAL/STA, side view**

**Product specific data MFP-GAL/STA**

Standard construction: As standard, Mini Pleat filter panels with a frame made of galvanised sheet steel or stainless steel are fitted with a flat seal on the upstream side. Filter classes H13 and H14 with leakage test. Optional test groove seal on the upstream side (for filter classes H13 and H14), flat section or continuous seal, or optional protection grid, arrangement as required. All weights are net, without packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 305    | 305    | 150    | 50          | E11          | 79       | 285       | 125      | 2,4  | 3,4  |
| 345    | 345    | 150    | 50          | E11          | 104      | 375       | 125      | 3,1  | 4,4  |
| 435    | 435    | 150    | 50          | E11          | 174      | 625       | 125      | 5    | 4,9  |
| 457    | 457    | 150    | 50          | E11          | 194      | 700       | 125      | 5,5  | 5,4  |
| 535    | 535    | 150    | 50          | E11          | 272      | 980       | 125      | 7,6  | 6,6  |
| 575    | 575    | 150    | 50          | E11          | 318      | 1145      | 125      | 8,7  | 7,1  |
| 305    | 610    | 150    | 50          | E11          | 168      | 605       | 125      | 4,9  | 4,9  |
| 457    | 610    | 150    | 50          | E11          | 264      | 950       | 125      | 7,4  | 5,7  |
| 610    | 610    | 150    | 50          | E11          | 361      | 1300      | 125      | 9,8  | 7,6  |
| 762    | 610    | 150    | 50          | E11          | 457      | 1645      | 125      | 12,3 | 9    |
| 915    | 610    | 150    | 50          | E11          | 554      | 1995      | 125      | 14,8 | 10,5 |
| 1220   | 610    | 150    | 50          | E11          | 746      | 2685      | 125      | 19,7 | 13   |
| 305    | 305    | 150    | 50          | H13          | 79       | 285       | 250      | 2,4  | 3,4  |
| 345    | 345    | 150    | 50          | H13          | 104      | 375       | 250      | 3,1  | 4,4  |
| 435    | 435    | 150    | 50          | H13          | 174      | 625       | 250      | 5    | 4,9  |
| 457    | 457    | 150    | 50          | H13          | 194      | 700       | 250      | 5,5  | 5,4  |
| 535    | 535    | 150    | 50          | H13          | 272      | 980       | 250      | 7,6  | 6,6  |
| 575    | 575    | 150    | 50          | H13          | 318      | 1145      | 250      | 8,7  | 7,1  |
| 305    | 610    | 150    | 50          | H13          | 168      | 605       | 250      | 4,9  | 4,9  |
| 457    | 610    | 150    | 50          | H13          | 264      | 950       | 250      | 7,4  | 5,7  |
| 610    | 610    | 150    | 50          | H13          | 361      | 1300      | 250      | 9,8  | 7,6  |
| 762    | 610    | 150    | 50          | H13          | 457      | 1645      | 250      | 12,3 | 9    |
| 915    | 610    | 150    | 50          | H13          | 554      | 1995      | 250      | 14,8 | 10,5 |
| 1220   | 610    | 150    | 50          | H13          | 746      | 2685      | 250      | 19,7 | 13   |
| 305    | 305    | 150    | 68          | H13          | 100      | 360       | 250      | 3,2  | 3,5  |
| 345    | 345    | 150    | 68          | H13          | 132      | 475       | 250      | 4,1  | 4,5  |
| 435    | 435    | 150    | 68          | H13          | 221      | 795       | 250      | 6,5  | 5,2  |
| 457    | 457    | 150    | 68          | H13          | 246      | 885       | 250      | 7,2  | 5,7  |
| 535    | 535    | 150    | 68          | H13          | 346      | 1245      | 250      | 9,9  | 6,8  |
| 575    | 575    | 150    | 68          | H13          | 404      | 1455      | 250      | 11,4 | 7,7  |
| 305    | 610    | 150    | 68          | H13          | 214      | 770       | 250      | 6,4  | 5,3  |
| 457    | 610    | 150    | 68          | H13          | 336      | 1210      | 250      | 9,6  | 6,2  |
| 610    | 610    | 150    | 68          | H13          | 458      | 1650      | 250      | 12,9 | 8,2  |
| 762    | 610    | 150    | 68          | H13          | 581      | 2090      | 250      | 16,1 | 9,7  |
| 915    | 610    | 150    | 68          | H13          | 703      | 2530      | 250      | 19,4 | 11,2 |
| 1220   | 610    | 150    | 68          | H13          | 947      | 3410      | 250      | 25,9 | 14,2 |
| 305    | 305    | 150    | 120         | H13          | 140      | 505       | 250      | 4,9  | 3,7  |

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 345    | 345    | 150    | 120         | H13          | 185      | 665       | 250      | 6,3  | 4,7  |
| 435    | 435    | 150    | 120         | H13          | 310      | 1115      | 250      | 10,2 | 5,3  |
| 457    | 457    | 150    | 120         | H13          | 344      | 1240      | 250      | 11,2 | 5,9  |
| 535    | 535    | 150    | 120         | H13          | 485      | 1745      | 250      | 15,4 | 7,3  |
| 575    | 575    | 150    | 120         | H13          | 565      | 2035      | 250      | 17,9 | 8,3  |
| 305    | 610    | 150    | 120         | H13          | 494      | 1080      | 250      | 10   | 5,7  |
| 457    | 610    | 150    | 120         | H13          | 469      | 1690      | 250      | 15,1 | 6,6  |
| 610    | 610    | 150    | 120         | H13          | 642      | 2310      | 250      | 20,1 | 8,8  |
| 762    | 610    | 150    | 120         | H13          | 813      | 2925      | 250      | 25,2 | 10,3 |
| 915    | 610    | 150    | 120         | H13          | 983      | 3540      | 250      | 30,3 | 11,9 |
| 1220   | 610    | 150    | 120         | H13          | 1326     | 4775      | 250      | 40,4 | 14,4 |
| 305    | 305    | 150    | 120         | H14          | 76       | 275       | 140      | 4,9  | 3,7  |
| 345    | 345    | 150    | 120         | H14          | 101      | 365       | 140      | 6,3  | 4,7  |
| 435    | 435    | 150    | 120         | H14          | 169      | 610       | 140      | 10,2 | 5,3  |
| 457    | 457    | 150    | 120         | H14          | 189      | 680       | 140      | 11,2 | 5,9  |
| 535    | 535    | 150    | 120         | H14          | 265      | 955       | 140      | 15,4 | 7,3  |
| 575    | 575    | 150    | 120         | H14          | 310      | 1115      | 140      | 17,9 | 8,3  |
| 305    | 610    | 150    | 120         | H14          | 164      | 590       | 140      | 10   | 5,7  |
| 457    | 610    | 150    | 120         | H14          | 257      | 925       | 140      | 15,1 | 6,6  |
| 610    | 610    | 150    | 120         | H14          | 351      | 1265      | 140      | 20,1 | 8,8  |
| 762    | 610    | 150    | 120         | H14          | 444      | 1600      | 140      | 25,2 | 10,3 |
| 915    | 610    | 150    | 120         | H14          | 539      | 1940      | 140      | 30,3 | 11,9 |
| 1220   | 610    | 150    | 120         | H14          | 726      | 2615      | 140      | 40,4 | 14,4 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

**MFP-...-GAL/STA**
**MFP-...-GAL/STA, side view**

**Product specific data MFP-GAL/STA**

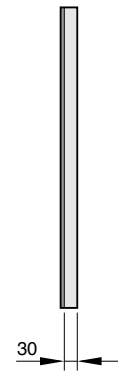
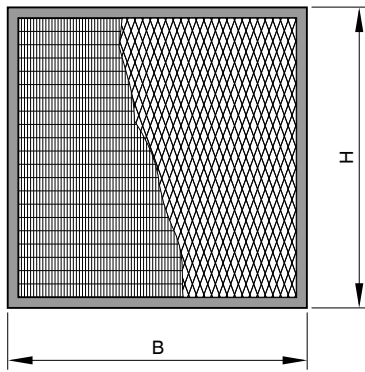
Standard construction: As standard, Mini Pleat filter panels with a frame made of galvanised sheet steel or stainless steel are fitted with a flat seal on the upstream side. Filter classes H13 and H14 with leakage test. Optional test groove seal on the upstream side (for filter classes H13 and H14), flat section or continuous seal, or optional protection grid, arrangement as required. All weights are net, without packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 305    | 305    | 292    | 150         | E11          | 140      | 505       | 125      | 5,6  | 6,8  |
| 457    | 457    | 292    | 150         | E11          | 344      | 1240      | 125      | 12,8 | 10,5 |
| 305    | 610    | 292    | 150         | E11          | 300      | 1080      | 125      | 11,4 | 9,5  |
| 457    | 610    | 292    | 150         | E11          | 469      | 1690      | 125      | 17,2 | 11,5 |
| 610    | 610    | 292    | 150         | E11          | 642      | 2310      | 125      | 23   | 15   |
| 762    | 610    | 292    | 150         | E11          | 813      | 2925      | 125      | 28,7 | 18,5 |
| 305    | 305    | 292    | 120         | H13          | 140      | 505       | 250      | 4,9  | 6,8  |
| 457    | 457    | 292    | 120         | H13          | 344      | 1240      | 250      | 11,2 | 10,5 |
| 305    | 610    | 292    | 120         | H13          | 300      | 1080      | 250      | 10   | 9,5  |
| 457    | 610    | 292    | 120         | H13          | 469      | 1690      | 250      | 15,1 | 11,5 |
| 610    | 610    | 292    | 120         | H13          | 642      | 2310      | 250      | 20,1 | 15   |
| 762    | 610    | 292    | 120         | H13          | 813      | 2925      | 250      | 25,2 | 18,5 |
| 305    | 305    | 292    | 180         | H13          | 167      | 600       | 250      | 6,1  | 7    |
| 457    | 457    | 292    | 180         | H13          | 410      | 1475      | 250      | 13,9 | 11   |
| 305    | 610    | 292    | 180         | H13          | 357      | 1285      | 250      | 12,4 | 10   |
| 457    | 610    | 292    | 180         | H13          | 560      | 2015      | 250      | 18,7 | 12,5 |
| 610    | 610    | 292    | 180         | H13          | 764      | 2750      | 250      | 25   | 16   |
| 762    | 610    | 292    | 180         | H13          | 967      | 3480      | 250      | 31,2 | 20   |
| 305    | 305    | 292    | 180         | H14          | 100      | 360       | 140      | 6,1  | 7    |
| 457    | 457    | 292    | 180         | H14          | 246      | 885       | 140      | 13,9 | 11   |
| 305    | 610    | 292    | 180         | H14          | 214      | 770       | 140      | 12,4 | 10   |
| 457    | 610    | 292    | 180         | H14          | 336      | 1210      | 140      | 18,7 | 12,5 |
| 610    | 610    | 292    | 180         | H14          | 458      | 1650      | 140      | 25   | 16   |
| 762    | 610    | 292    | 180         | H14          | 581      | 2090      | 140      | 31,2 | 20   |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

MFP-...-ALN

MFP-...-ALN, side view

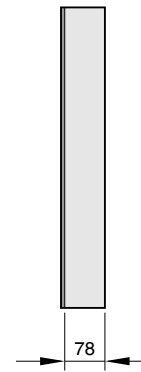
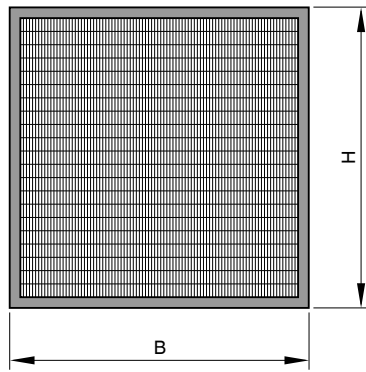


**Product specific data MFP-ALN**

Standard construction: As standard, Mini Pleat filter panels with a frame made of extruded aluminium sections are fitted with a flat seal on the upstream side and a protection grid on the downstream side. Filter class H13 with leakage test. All weights are net, without packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 610    | 610    | 30     | 20          | E11          | 149      | 535       | 125      | 5,1  | 2,8 |
| 762    | 610    | 30     | 20          | E11          | 189      | 680       | 125      | 6,4  | 3,2 |
| 915    | 610    | 30     | 20          | E11          | 228      | 820       | 125      | 7,7  | 3,8 |
| 1220   | 610    | 30     | 20          | E11          | 308      | 1110      | 125      | 10,3 | 5   |
| 610    | 610    | 30     | 20          | H13          | 149      | 535       | 250      | 5,1  | 2,8 |
| 762    | 610    | 30     | 20          | H13          | 189      | 680       | 250      | 6,4  | 3,2 |
| 915    | 610    | 30     | 20          | H13          | 228      | 820       | 250      | 7,7  | 3,8 |
| 1220   | 610    | 30     | 20          | H13          | 308      | 1110      | 250      | 10,3 | 5   |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

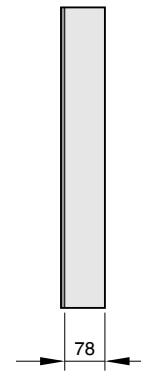
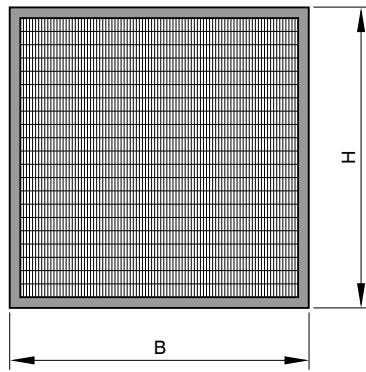
**MFP-...-ALZ**
**MFP-...-ALZ, side view**

**Product specific data MFP-ALZ**

Delivery version: Mini Pleat filter plates with frame made of extruded aluminum profile with flat profile seal on the upstream side as standard. Optionally with endless seal or handle protection, arrangement as required. All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④   | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|-----|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²  | kg  |
| 305    | 305    | 78     | 50          | ePM10 55%    | 182      | 655       | 90       | 2,2 | 1,5 |
| 345    | 345    | 78     | 50          | ePM10 55%    | 240      | 865       | 90       | 8,1 | 1,8 |
| 435    | 435    | 78     | 50          | ePM10 55%    | 401      | 1445      | 90       | 4,5 | 2,3 |
| 457    | 457    | 78     | 50          | ePM10 55%    | 447      | 1610      | 90       | 9,2 | 2,5 |
| 535    | 535    | 78     | 50          | ePM10 55%    | 629      | 2265      | 90       | 7   | 3,3 |
| 575    | 575    | 78     | 50          | ePM10 55%    | 735      | 2645      | 90       | 8,1 | 3,4 |
| 305    | 610    | 78     | 50          | ePM10 55%    | 389      | 1400      | 90       | 4,5 | 2,5 |
| 610    | 610    | 78     | 50          | ePM10 55%    | 833      | 3000      | 90       | 9,2 | 3,5 |
| 305    | 305    | 78     | 50          | ePM1 65%     | 182      | 655       | 110      | 2,2 | 1,5 |
| 345    | 345    | 78     | 50          | ePM1 65%     | 240      | 865       | 110      | 2,9 | 1,8 |
| 435    | 435    | 78     | 50          | ePM1 65%     | 401      | 1445      | 110      | 5,1 | 2,5 |
| 457    | 457    | 78     | 50          | ePM1 65%     | 447      | 1610      | 110      | 7   | 3   |
| 535    | 535    | 78     | 50          | ePM1 65%     | 629      | 2265      | 110      | 7   | 3,3 |
| 575    | 575    | 78     | 50          | ePM1 65%     | 735      | 2645      | 110      | 8,1 | 3,4 |
| 305    | 610    | 78     | 50          | ePM1 65%     | 389      | 1400      | 110      | 4,5 | 2,5 |
| 610    | 610    | 78     | 50          | ePM1 65%     | 833      | 3000      | 110      | 9,2 | 3,5 |
| 305    | 305    | 78     | 50          | ePM1 90%     | 182      | 655       | 150      | 2,2 | 1,5 |
| 345    | 345    | 78     | 50          | ePM1 90%     | 240      | 865       | 150      | 2,9 | 1,8 |
| 435    | 435    | 78     | 50          | ePM1 90%     | 401      | 1445      | 150      | 4,6 | 2,3 |
| 457    | 457    | 78     | 50          | ePM1 90%     | 447      | 1610      | 150      | 5,1 | 2,5 |
| 535    | 535    | 78     | 50          | ePM1 90%     | 629      | 2265      | 150      | 7   | 3,3 |
| 575    | 575    | 78     | 50          | ePM1 90%     | 735      | 2645      | 150      | 8,1 | 3,4 |
| 305    | 610    | 78     | 50          | ePM1 90%     | 389      | 1400      | 150      | 4,5 | 2,5 |
| 610    | 610    | 78     | 50          | ePM1 90%     | 833      | 3000      | 150      | 9,2 | 3,5 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight



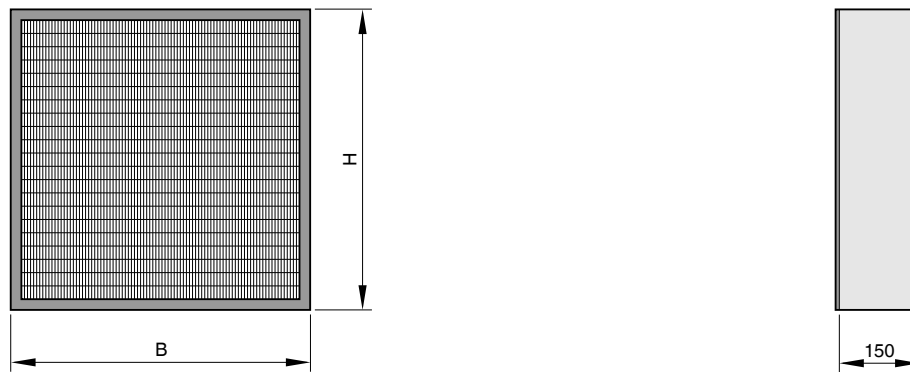
**MFP-...-ALZ**
**MFP-...-ALZ, side view**

**Product specific data MFP-ALZ**

As standard, Mini Pleat filter panels with a frame made of extruded aluminium sections are fitted with a flat seal on the upstream side. Filter classes H13, H14 with leakage test. Optional test groove seal on the upstream side (for filter classes H13, H14), continuous seal, or protection grid (arrangement as required). All weights are net, without the packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 305    | 305    | 78     | 50          | E11          | 72       | 260       | 125      | 2,4  | 1,5  |
| 345    | 345    | 78     | 50          | E11          | 96       | 345       | 125      | 3,1  | 1,8  |
| 435    | 435    | 78     | 50          | E11          | 160      | 575       | 125      | 5    | 2,3  |
| 457    | 457    | 78     | 50          | E11          | 178      | 640       | 125      | 5,5  | 2,5  |
| 535    | 535    | 78     | 50          | E11          | 250      | 900       | 125      | 7,6  | 3,3  |
| 835    | 535    | 78     | 50          | E11          | 400      | 1440      | 125      | 11,9 | 4,2  |
| 1135   | 535    | 78     | 50          | E11          | 551      | 1985      | 125      | 16,2 | 5,2  |
| 557    | 557    | 78     | 50          | E11          | 272      | 980       | 125      | 8,2  | 3,3  |
| 575    | 575    | 78     | 50          | E11          | 292      | 1050      | 125      | 8,8  | 3,4  |
| 305    | 610    | 78     | 50          | E11          | 154      | 555       | 125      | 4,9  | 2,5  |
| 457    | 610    | 78     | 50          | E11          | 242      | 870       | 125      | 7,4  | 3    |
| 610    | 610    | 78     | 50          | E11          | 331      | 1190      | 125      | 9,9  | 3,5  |
| 762    | 610    | 78     | 50          | E11          | 418      | 1505      | 125      | 12,4 | 4    |
| 915    | 610    | 78     | 50          | E11          | 507      | 1825      | 125      | 14,9 | 4,5  |
| 1220   | 610    | 78     | 50          | E11          | 683      | 2460      | 125      | 19,8 | 5,7  |
| 1525   | 610    | 78     | 50          | E11          | 861      | 3100      | 125      | 24,7 | 7,1  |
| 1830   | 610    | 78     | 50          | E11          | 1038     | 3735      | 125      | 29,7 | 8,6  |
| 762    | 762    | 78     | 50          | E11          | 531      | 1910      | 125      | 15,2 | 4,4  |
| 915    | 762    | 78     | 50          | E11          | 643      | 2315      | 125      | 18,4 | 5,3  |
| 1220   | 762    | 78     | 50          | E11          | 867      | 3120      | 125      | 24,8 | 7,2  |
| 1525   | 762    | 78     | 50          | E11          | 1090     | 3925      | 125      | 31,2 | 9    |
| 1830   | 762    | 78     | 50          | E11          | 1315     | 4735      | 125      | 37,7 | 10,9 |
| 915    | 915    | 78     | 50          | E11          | 779      | 2805      | 125      | 22,3 | 6,4  |
| 1220   | 915    | 78     | 50          | E11          | 1050     | 3780      | 125      | 30,1 | 8,7  |
| 1525   | 915    | 78     | 50          | E11          | 1322     | 4760      | 125      | 37,9 | 11   |
| 1830   | 915    | 78     | 50          | E11          | 1593     | 5735      | 125      | 45,6 | 13,2 |
| 305    | 305    | 78     | 50          | H13          | 72       | 260       | 250      | 2,4  | 1,5  |
| 345    | 345    | 78     | 50          | H13          | 96       | 345       | 250      | 3,1  | 1,8  |
| 435    | 435    | 78     | 50          | H13          | 160      | 575       | 250      | 5    | 2,3  |
| 457    | 457    | 78     | 50          | H13          | 178      | 640       | 250      | 5,5  | 2,5  |
| 535    | 535    | 78     | 50          | H13          | 250      | 900       | 250      | 7,6  | 3,3  |
| 835    | 535    | 78     | 50          | H13          | 400      | 1440      | 250      | 11,9 | 4,2  |
| 1135   | 535    | 78     | 50          | H13          | 551      | 1985      | 250      | 16,2 | 5,2  |
| 557    | 557    | 78     | 50          | H13          | 272      | 980       | 250      | 8,2  | 3,3  |
| 575    | 575    | 78     | 50          | H13          | 292      | 1050      | 250      | 8,8  | 3,4  |
| 305    | 610    | 78     | 50          | H13          | 154      | 555       | 250      | 4,9  | 2,5  |
| 457    | 610    | 78     | 50          | H13          | 242      | 870       | 250      | 7,4  | 3    |
| 610    | 610    | 78     | 50          | H13          | 331      | 1190      | 250      | 9,9  | 3,5  |

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 762    | 610    | 78     | 50          | H13          | 418      | 1505      | 250      | 12,4 | 4    |
| 915    | 610    | 78     | 50          | H13          | 507      | 1825      | 250      | 14,9 | 4,5  |
| 1220   | 610    | 78     | 50          | H13          | 683      | 2460      | 250      | 19,8 | 5,7  |
| 1525   | 610    | 78     | 50          | H13          | 861      | 3100      | 250      | 24,7 | 7,1  |
| 1830   | 610    | 78     | 50          | H13          | 1038     | 3735      | 250      | 29,7 | 8,6  |
| 762    | 762    | 78     | 50          | H13          | 531      | 1910      | 250      | 15,2 | 4,4  |
| 915    | 762    | 78     | 50          | H13          | 643      | 2315      | 250      | 18,4 | 5,3  |
| 1220   | 762    | 78     | 50          | H13          | 867      | 3120      | 250      | 24,8 | 7,2  |
| 1525   | 762    | 78     | 50          | H13          | 1090     | 3925      | 250      | 31,2 | 9    |
| 1830   | 762    | 78     | 50          | H13          | 1315     | 4735      | 250      | 37,7 | 10,9 |
| 915    | 915    | 78     | 50          | H13          | 779      | 2805      | 250      | 22,3 | 6,4  |
| 1220   | 915    | 78     | 50          | H13          | 1050     | 3780      | 250      | 30,1 | 8,7  |
| 1525   | 915    | 78     | 50          | H13          | 1322     | 4760      | 250      | 37,9 | 11   |
| 1830   | 915    | 78     | 50          | H13          | 1593     | 5735      | 250      | 45,6 | 13,2 |
| 305    | 305    | 78     | 50          | H14          | 36       | 130       | 120      | 2,7  | 1,5  |
| 345    | 345    | 78     | 50          | H14          | 49       | 175       | 120      | 3,5  | 1,8  |
| 435    | 435    | 78     | 50          | H14          | 81       | 290       | 120      | 5,5  | 2,3  |
| 457    | 457    | 78     | 50          | H14          | 90       | 325       | 120      | 6,1  | 2,5  |
| 535    | 535    | 78     | 50          | H14          | 126      | 455       | 120      | 8,4  | 3    |
| 835    | 535    | 78     | 50          | H14          | 203      | 730       | 120      | 13,2 | 4,2  |
| 1135   | 535    | 78     | 50          | H14          | 281      | 1010      | 120      | 17,9 | 5,2  |
| 557    | 557    | 78     | 50          | H14          | 139      | 500       | 120      | 9,1  | 3,3  |
| 575    | 575    | 78     | 50          | H14          | 149      | 535       | 120      | 9,7  | 3,4  |
| 305    | 610    | 78     | 50          | H14          | 78       | 280       | 120      | 5,5  | 2,5  |
| 457    | 610    | 78     | 50          | H14          | 124      | 445       | 120      | 8,2  | 3    |
| 610    | 610    | 78     | 50          | H14          | 168      | 605       | 120      | 11   | 3,5  |
| 762    | 610    | 78     | 50          | H14          | 213      | 765       | 120      | 13,7 | 4    |
| 915    | 610    | 78     | 50          | H14          | 258      | 930       | 120      | 16,5 | 4,5  |
| 1220   | 610    | 78     | 50          | H14          | 342      | 1230      | 120      | 22   | 5,7  |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

**MFP-...-ALY**
**MFP-...-ALY, side view**

**Product specific data MFP-ALY**

As standard, Mini Pleat filter panels with a frame made of extruded aluminium sections are fitted with a flat seal on the upstream side. Filter classes H13, H14 with leakage test. Optional test groove seal on the upstream side (for filter classes H13, H14), continuous seal, or protection grid (arrangement as required). All weights are net, without the packaging.

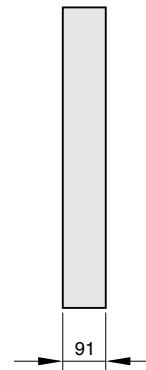
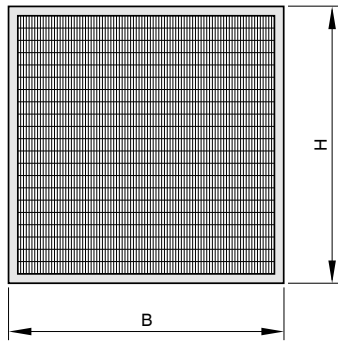
| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 305    | 305    | 150    | 50          | E11          | 72       | 260       | 125      | 2,1  | 3,4  |
| 345    | 345    | 150    | 50          | E11          | 96       | 345       | 125      | 2,8  | 4,4  |
| 435    | 435    | 150    | 50          | E11          | 160      | 575       | 125      | 4,5  | 4,9  |
| 457    | 457    | 150    | 50          | E11          | 178      | 640       | 125      | 5    | 5,4  |
| 535    | 535    | 150    | 50          | E11          | 250      | 900       | 125      | 7    | 6,2  |
| 575    | 575    | 150    | 50          | E11          | 292      | 1050      | 125      | 8,2  | 7,1  |
| 305    | 610    | 150    | 50          | E11          | 154      | 555       | 125      | 4,4  | 4,9  |
| 457    | 610    | 150    | 50          | E11          | 242      | 870       | 125      | 6,8  | 5,7  |
| 610    | 610    | 150    | 50          | E11          | 331      | 1190      | 125      | 9,2  | 7,6  |
| 762    | 610    | 150    | 50          | E11          | 418      | 1505      | 125      | 11,6 | 9    |
| 915    | 610    | 150    | 50          | E11          | 507      | 1825      | 125      | 14   | 10,5 |
| 1220   | 610    | 150    | 50          | E11          | 683      | 2460      | 125      | 18,9 | 13   |
| 305    | 305    | 150    | 50          | H13          | 72       | 260       | 250      | 2,1  | 3,4  |
| 345    | 345    | 150    | 50          | H13          | 96       | 345       | 250      | 2,8  | 4,4  |
| 435    | 435    | 150    | 50          | H13          | 160      | 575       | 250      | 4,5  | 4,9  |
| 457    | 457    | 150    | 50          | H13          | 178      | 640       | 250      | 5    | 5,4  |
| 535    | 535    | 150    | 50          | H13          | 250      | 900       | 250      | 7    | 6,2  |
| 575    | 575    | 150    | 50          | H13          | 292      | 1050      | 250      | 8,2  | 7,1  |
| 305    | 610    | 150    | 50          | H13          | 154      | 555       | 250      | 4,4  | 4,9  |
| 457    | 610    | 150    | 50          | H13          | 242      | 870       | 250      | 6,8  | 5,7  |
| 610    | 610    | 150    | 50          | H13          | 331      | 1190      | 250      | 9,2  | 7,6  |
| 762    | 610    | 150    | 50          | H13          | 418      | 1505      | 250      | 11,6 | 9    |
| 915    | 610    | 150    | 50          | H13          | 507      | 1825      | 250      | 14   | 10,5 |
| 1220   | 610    | 150    | 50          | H13          | 683      | 2460      | 250      | 18,9 | 13   |
| 305    | 305    | 150    | 68          | H13          | 90       | 325       | 250      | 2,8  | 3,5  |
| 345    | 345    | 150    | 68          | H13          | 119      | 430       | 250      | 3,6  | 4,5  |
| 435    | 435    | 150    | 68          | H13          | 201      | 725       | 250      | 5,9  | 5,2  |
| 457    | 457    | 150    | 68          | H13          | 224      | 805       | 250      | 6,6  | 5,7  |
| 535    | 535    | 150    | 68          | H13          | 314      | 1130      | 250      | 9,2  | 6,7  |
| 575    | 575    | 150    | 68          | H13          | 367      | 1320      | 250      | 10,7 | 7,7  |
| 305    | 610    | 150    | 68          | H13          | 194      | 700       | 250      | 5,8  | 5,3  |
| 457    | 610    | 150    | 68          | H13          | 306      | 1100      | 250      | 8,9  | 6,1  |
| 610    | 610    | 150    | 68          | H13          | 417      | 1500      | 250      | 12,1 | 8,2  |
| 762    | 610    | 150    | 68          | H13          | 528      | 1900      | 250      | 15,2 | 9,7  |
| 915    | 610    | 150    | 68          | H13          | 639      | 2300      | 250      | 18,4 | 11,2 |
| 1220   | 610    | 150    | 68          | H13          | 861      | 3100      | 250      | 24,7 | 14,2 |
| 305    | 305    | 150    | 120         | H13          | 128      | 460       | 250      | 4,3  | 3,7  |
| 345    | 345    | 150    | 120         | H13          | 168      | 605       | 250      | 5,7  | 4,7  |

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤    |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|------|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg   |
| 435    | 435    | 150    | 120         | H13          | 281      | 1010      | 250      | 9,3  | 5,3  |
| 457    | 457    | 150    | 120         | H13          | 313      | 1125      | 250      | 10,3 | 5,9  |
| 535    | 535    | 150    | 120         | H13          | 440      | 1585      | 250      | 14,4 | 7,3  |
| 575    | 575    | 150    | 120         | H13          | 514      | 1850      | 250      | 16,7 | 8,3  |
| 305    | 610    | 150    | 120         | H13          | 272      | 980       | 250      | 9,1  | 5,7  |
| 457    | 610    | 150    | 120         | H13          | 428      | 1540      | 250      | 14   | 6,6  |
| 610    | 610    | 150    | 120         | H13          | 583      | 2100      | 250      | 18,9 | 8,8  |
| 762    | 610    | 150    | 120         | H13          | 739      | 2660      | 250      | 23,8 | 10,5 |
| 915    | 610    | 150    | 120         | H13          | 894      | 3220      | 250      | 28,7 | 12,2 |
| 1220   | 610    | 150    | 120         | H13          | 1206     | 4340      | 250      | 38,6 | 15,4 |
| 305    | 305    | 150    | 120         | H14          | 69       | 250       | 140      | 4,3  | 3,7  |
| 345    | 345    | 150    | 120         | H14          | 92       | 330       | 140      | 5,7  | 4,7  |
| 435    | 435    | 150    | 120         | H14          | 154      | 555       | 140      | 9,3  | 5,3  |
| 457    | 457    | 150    | 120         | H14          | 171      | 615       | 140      | 10,3 | 5,9  |
| 535    | 535    | 150    | 120         | H14          | 242      | 870       | 140      | 14,4 | 7,3  |
| 575    | 575    | 150    | 120         | H14          | 282      | 1015      | 140      | 16,7 | 8,3  |
| 305    | 610    | 150    | 120         | H14          | 149      | 535       | 140      | 9,1  | 5,7  |
| 457    | 610    | 150    | 120         | H14          | 233      | 840       | 140      | 14   | 6,6  |
| 610    | 610    | 150    | 120         | H14          | 319      | 1150      | 140      | 18,9 | 8,8  |
| 762    | 610    | 150    | 120         | H14          | 404      | 1455      | 140      | 23,8 | 10,5 |
| 915    | 610    | 150    | 120         | H14          | 490      | 1765      | 140      | 28,7 | 12,2 |
| 1220   | 610    | 150    | 120         | H14          | 660      | 2375      | 140      | 38,6 | 15,4 |

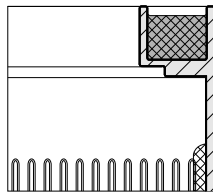
① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

MFP-...-ALU

MFP-...-ALU, side view



Detail of MFP-...-ALU



Product specific data MFP-ALU

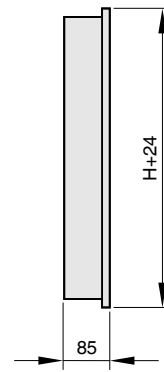
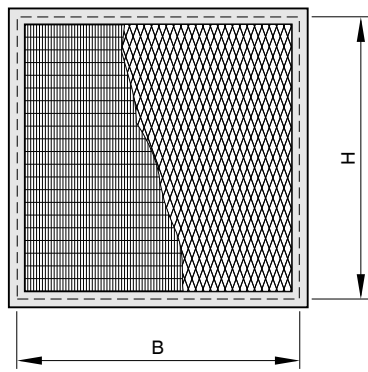
As standard, Mini Pleat filter panels with a frame made of extruded aluminium sections are fitted with a fluid seal on the upstream side. Filter classes H13, H14 with leakage test. Optional protection grid, fitting as required. All weights are net, without packaging.

| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 305    | 305    | 91     | 50          | H13          | 72       | 260       | 250      | 2,4  | 1,5 |
| 345    | 345    | 91     | 50          | H13          | 96       | 345       | 250      | 3,1  | 1,8 |
| 435    | 435    | 91     | 50          | H13          | 160      | 575       | 250      | 5    | 2,3 |
| 457    | 457    | 91     | 50          | H13          | 178      | 640       | 250      | 5,5  | 2,5 |
| 535    | 535    | 91     | 50          | H13          | 250      | 900       | 250      | 7,6  | 3,1 |
| 835    | 535    | 91     | 50          | H13          | 400      | 1440      | 250      | 11,9 | 4,2 |
| 1135   | 535    | 91     | 50          | H13          | 551      | 1985      | 250      | 16,2 | 5,2 |
| 575    | 575    | 91     | 50          | H13          | 292      | 1050      | 250      | 8,8  | 3,4 |
| 610    | 610    | 91     | 50          | H13          | 331      | 1190      | 250      | 9,9  | 3,5 |
| 305    | 305    | 91     | 50          | H14          | 36       | 130       | 120      | 2,7  | 1,5 |
| 345    | 345    | 91     | 50          | H14          | 49       | 175       | 120      | 3,5  | 1,8 |
| 435    | 435    | 91     | 50          | H14          | 81       | 290       | 120      | 5,5  | 2,3 |
| 457    | 457    | 91     | 50          | H14          | 90       | 325       | 120      | 6,1  | 2,5 |
| 535    | 535    | 91     | 50          | H14          | 126      | 455       | 120      | 8,4  | 3,1 |
| 835    | 535    | 91     | 50          | H14          | 203      | 730       | 120      | 13,2 | 4,2 |
| 1135   | 535    | 91     | 50          | H14          | 281      | 1010      | 120      | 17,9 | 5,2 |
| 575    | 575    | 91     | 50          | H14          | 149      | 535       | 120      | 9,7  | 3,4 |
| 610    | 610    | 91     | 50          | H14          | 168      | 605       | 120      | 11   | 3,5 |

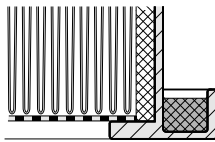
① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

MFP-...-ALV

MFP-...-ALV, side view



Detail of MFP-...-ALV



Product specific data MFP-ALV

As standard, Mini Pleat filter panels with a frame made of extruded aluminium sections are fitted with a fluid seal on the upstream side and a protection grid on the downstream side. Filter classes H13 and H14 with leakage test. Optional protection grid on both sides. All weights are net, without packaging.

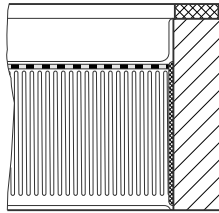
| ①      |        |        |             |              | ②        |           | ③        | ④    | ⑤   |
|--------|--------|--------|-------------|--------------|----------|-----------|----------|------|-----|
| B [mm] | H [mm] | T [mm] | Pleat depth | Filter class | qv [l/s] | qv [m³/h] | ΔpA [Pa] | m²   | kg  |
| 295    | 295    | 85     | 50          | E11          | 67       | 240       | 125      | 2,3  | 2,5 |
| 395    | 395    | 85     | 50          | E11          | 128      | 460       | 125      | 4,1  | 4   |
| 495    | 495    | 85     | 50          | E11          | 211      | 760       | 125      | 6,5  | 5   |
| 520    | 520    | 85     | 50          | E11          | 235      | 845       | 125      | 7,2  | 5,5 |
| 295    | 295    | 85     | 50          | H13          | 67       | 240       | 250      | 2,3  | 2,5 |
| 395    | 395    | 85     | 50          | H13          | 128      | 460       | 250      | 4,1  | 4   |
| 495    | 495    | 85     | 50          | H13          | 211      | 760       | 250      | 6,5  | 5   |
| 520    | 520    | 85     | 50          | H13          | 235      | 845       | 250      | 7,2  | 5,5 |
| 295    | 295    | 85     | 68          | H14          | 42       | 150       | 120      | 3,3  | 2,5 |
| 395    | 395    | 85     | 68          | H14          | 81       | 290       | 120      | 6    | 4   |
| 495    | 495    | 85     | 68          | H14          | 133      | 480       | 120      | 9,5  | 5   |
| 520    | 520    | 85     | 68          | H14          | 147      | 530       | 120      | 10,5 | 5,5 |

① Nominal size ② Nominal volume flow rate ③ Initial differential pressure ④ Filter area ⑤ Weight

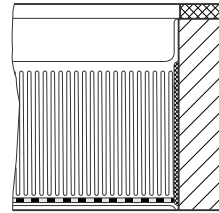
## Product details

### Protection grid option

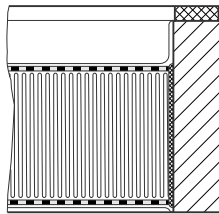
#### Upstream side



#### Downstream side

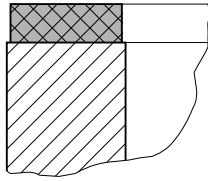


#### Both ends



**Seal option**

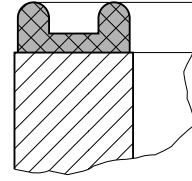
**Flat seal as standard**



Flat seal on the upstream side as standard for constructions MDF, GAL, STA, ALN, ALZ and ALY

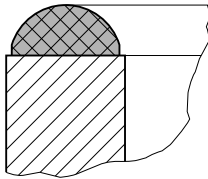
Flat seal on the upstream side as standard for constructions MDF, GAL, STA, ALN, ALZ and ALY

**Seal with test groove**



Test groove seal on the upstream side, optional for constructions MDF, GAL, STA, ALZ and ALY, only for filter classes H13 and H14

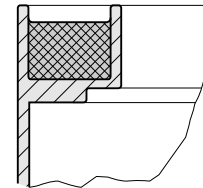
**Continuous seal**



Continuous seal on the upstream side, optional for constructions MDF, GAL, STA, ALZ and ALY

Continuous seal on the upstream side, optional for constructions MDF, GAL, STA, ALZ and ALY

**Fluid seal**



As standard, constructions ALU/ALV are fitted with a fluid seal

As standard, constructions ALU/ALV are fitted with a fluid seal