

# Cut-to-size pads

## FMP



### For high dust concentrations or as a prefilter for fine dust filters

Filter media for the separation of coarse and fine dust in supply and extract air for simple applications

- Filter groups ISO Coarse (coarse dust filter) and ISO ePM10 (fine dust filter)
- Roll media or cut-to-size pads
- Tested to ISO 16890

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## General information

### Application

- Filter media type FMP for the separation of coarse and fine dust in ventilation systems

### Nominal sizes

- B × L [mm]

### Filter classes

#### Filter groups

- ISO Coarse to ISO 16890
- ISO ePM10 to ISO 16890

#### Filter classes

- Coarse 40% (G02)
- Coarse 55% (C03)
- Coarse 50% (C04)
- Coarse 60% (C11)
- Coarse 55% (C15)
- ePM10 55% (C06)

### Media type

- G02: Glass fibre medium (50 mm thick)
- C03: Chemical fibre medium (14 mm thick)
- C04: Chemical fibre medium (15 mm thick)
- C11: Chemical fibre medium (22 mm thick)
- C15: Chemical fibre medium (22 mm thick)
- C06: Chemical fibre medium (18 mm thick)

### Construction

- ROL: Roll filter media

- PAD: Cut-to-size filter pads

### Construction features

- Glass fibre filter media sprayed with dust binding agent, resulting in increased arrestance and preventing dust carry over
- Filter media available in standard and special sizes: roll media, cut-to-size filter pads

### Materials and surfaces

- Filter media made of glass fibres or chemical fibres

### 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 coarse dust filters, the average arrestance is measured with synthetic dust
- The filters are classified into filter group ISO Coarse depending on the tested values
- 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, ISO ePM2.5 and ISO ePM1 depending on the tested values

## Technical data

Media type	G02	C03	C04	C11	C15	C06
Gravimetric efficiency according Coarse [%] to ISO 16890	40	55	50	60	55	–
Fractional efficiency ePM10 [%] to ISO 16890	–	–	–	–	–	55
Filter thickness [mm]	50	14	15	22	22	18
Nominal face velocity [m/s]	2.5	1.5	1.5	1.5	1.5	0.9
Initial differential pressure [Pa] at nominal volume flow rate	60	30	40	50	50	90
Max. operating temperature [°C]	100	100	100	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

Cut-to-size filter pads, type FMP, for the separation of coarse and fine dust in ventilation systems. Available as roll media in special sizes or as cut-to-size pads in standard and special sizes, filter groups ISO Coarse and ISO ePM10 according to ISO 16890. Glass fibre filter media are sprayed with dust binding agent, resulting in increased arrestance and preventing dust carry over.

### Materials and surfaces

- Filter media made of glass fibres or chemical fibres

### Construction

- ROL: Roll filter media
- PAD: Cut-to-size filter pads

### Sizing data

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

**Order code**

**FMP – Coarse – 60% – C11 / ROL × 1000 × 20000**

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**1 Type**

**FMP** Filter medium

**2 Classification**

**Coarse** Gravimetric efficiency according to ISO 16890

**ePM10** Fractional efficiency ePM10 to ISO 16890

**3 Efficiency [%]**

to ISO 16890

**4 Media type**

**G02** Glass fibre medium, 50 mm thick

**C03** Chemical fibre medium, 14 mm thick

**C04** Chemical fibre medium, 15 mm thick

**C11** Chemical fibre medium, 22 mm thick

**C15** Chemical fibre medium, 22 mm thick

**C06** Chemical fibre medium, 18 mm thick

**5 Construction**

**ROL** Filter medium as roll media

**PAD** Cut-to-size filter pads

**6 Nominal size [mm]**

B × L

**FMP–Coarse–60%–C11/ROL-1000×20000**

<b>Classification</b>	ISO Coarse to ISO 16890
<b>Efficiency</b>	60 %
<b>Media type</b>	chemical fibre medium, 22 mm thick
<b>Construction</b>	Filter medium as roll media
<b>Nominal size</b>	1000 × 20000 mm

## Dimensions

### Cut-to-size filter pads in standard sizes

B [mm]	L [mm]	Filter class	Media type	Construction	Quantity
630	630	Coarse 40 %	G02	PAD	20 units
630	630	Coarse 50 %	C04	PAD	15 units
630	630	Coarse 60 %	C11	PAD	15 units
630	630	ePM10 55 %	C06	PAD	15 units

### Cut-to-size filter pads in special sizes

Area	Filter class	Media type	Construction
pro m <sup>2</sup>	Coarse 40 %	G02	PAD
pro m <sup>2</sup>	Coarse 55 %	C03	PAD
pro m <sup>2</sup>	Coarse 50 %	C04	PAD
pro m <sup>2</sup>	Coarse 60 %	C11	PAD
pro m <sup>2</sup>	Coarse 55 %	C15	PAD
pro m <sup>2</sup>	Coarse 55 %	C06	PAD

### Filter medium as roll media in special sizes

B [mm]	B <sub>2</sub> [mm]	L [mm]	Filter class	Media type	Construction
200	500	20000	Coarse 40 %	G02	ROL
501	1000	20000	Coarse 40 %	G02	ROL
1001	2000	20000	Coarse 40 %	G02	ROL
200	500	20000	Coarse 55 %	C03	ROL
501	1000	20000	Coarse 55 %	C03	ROL
1001	2000	20000	Coarse 55 %	C03	ROL
200	500	20000	Coarse 50 %	G04	ROL
501	1000	20000	Coarse 50 %	C04	ROL
1001	2000	20000	Coarse 50 %	C04	ROL
200	500	20000	Coarse 60 %	C11	ROL
501	1000	20000	Coarse 60 %	C11	ROL
1001	2000	20000	Coarse 60 %	C11	ROL
200	500	20000	Coarse 55 %	C15	ROL
501	1000	20000	Coarse 55 %	C11	ROL
1001	2000	20000	Coarse 55 %	C15	ROL
200	500	20000	Coarse 55 %	C06	ROL
501	1000	20000	Coarse 55 %	C06	ROL
1001	2000	20000	Coarse 55 %	C06	ROL

From B to B<sub>2</sub>