



#### AUTOMATIC ROLL FILTER MEDIA, VARIANT FMC-CAS

Automatic roll filter media, variant FMC- CAS



#### AUTOMATIC ROLL FILTER MEDIA, TYPE FMC-...

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## TYPE FMC

### FOR LARGE VOLUME FLOW RATES WITH A HIGH DUST CONCENTRATION

Automatic roll filter media for the separation of coarse emissions in supply and extract air

- Filter group ISO Coarse (Coarse dust filter)
- In cassettes or on steel spools for automatic roll filter units
- Tested to ISO 16890

## Application



### Application

- Automatic roll filter media type FMC for the separation of coarse dust in ventilation systems

### Nominal sizes

- B [mm]

## Description



### Variants

### Construction features

- For all TROX-o-mat automatic roll filter units: in a cassette
- For automatic roll filter units from other manufacturers: on cardboard tube or steel spool
- Dimensions correspond to the unit width, filter roll length: 20 m

### 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 gravimetric separation is measured with synthetic dust
- The filters are classified into filter group ISO Coarse depending on the tested values

### Nominal sizes

- B [mm]

## TECHNICAL INFORMATION

TECHNICAL DATA, SPECIFICATION TEXT, ORDER CODE, Related products ^

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Media type	G02	C21
Gravimetric efficiency according Coarse [%] to ISO 16890	40	35
Filter thickness [mm]	50	8
Nominal face velocity [m/s]	3.1	2.5
Initial differential pressure [Pa] at nominal volume flow rate	80	80
Max. operating temperature [°C]	100	100

Automatic roll filter medium FMC for the separation of coarse dust in ventilation systems. Filter medium available in cassettes for the TROX-o-mat automatic roll filter unit, or on cardboard tube or steel spool for the automatic roll filter units from other manufacturers. Filter belt length is 20 m, filter group ISO Coarse according to ISO 16890. Automatic roll filter media available in various sizes according to the width of the unit. Glass fibre filter media are sprayed with dust binding agent, resulting in increased arrestance and preventing dust carry over.

## General information

### Materials and surfaces

- Filter media made of glass fibres or chemical fibres

### Construction

- CAS: Filter medium in a cassette
- CASN: Filter medium in a cassette, neutral
- RFMS: Filter medium on a cardboard tube (Schirp)
- RFMA: Filter medium on a steel spool (AAF)
- RFMD: Filter medium on a cardboard tube (Delbag)

### Materials and surfaces

- Filter media made of glass fibres or chemical fibres

### Sizing data

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

FMC      -      Coarse      -      40%      -      G02      -      CAS      /      1850  
|      |      |      |      |      |      |      |      |  
1      2      3      4      5      6

**1 Type**

FMC Automatic roll filter medium

**2 Classification**

Coarse Gravimetric efficiency according to ISO 16890

**3 Efficiency [%]**

to ISO 16890

**4 Media type**

G02 Glass fibre medium, 50 mm thick  
C21 Chemical fibre medium, 8 mm thick

**5 Construction**

CAS Filter medium in a cassette  
CASN Filter medium in a cassette, neutral  
RFMS Filter medium on cardboard tube (Schirp)  
RFMA Filter medium on a steel spool (AAF)

**6 Nominal size [mm]**

B

Dimensions



B [mm]	Filter class	Media type	Construction
480	Coarse 40 %	G02	CAS/CASN
650	Coarse 40 %	G02	CAS/CASN
950	Coarse 40 %	G02	CAS/CASN
1250	Coarse 40 %	G02	CAS/CASN
1550	Coarse 40 %	G02	CAS/CASN
1850	Coarse 40 %	G02	CAS/CASN
2150	Coarse 40 %	G02	CAS/CASN
480	Coarse 35 %	C21	CAS
650	Coarse 35 %	C21	CAS
950	Coarse 35 %	C21	CAS
1250	Coarse 35 %	C21	CAS
1550	Coarse 35 %	C21	CAS
1850	Coarse 35 %	C21	CAS
2150	Coarse 35 %	C21	CAS

B [mm]	Filter class	Media type	Construction
836	Coarse 40 %	G02	RFMS
1141	Coarse 40 %	G02	RFMS
1446	Coarse 40 %	G02	RFMS
1751	Coarse 40 %	G02	RFMS
2056	Coarse 40 %	G02	RFMS
836	Coarse 40 %	G02	RFMA
1141	Coarse 40 %	G02	RFMA
1446	Coarse 40 %	G02	RFMA
1751	Coarse 40 %	G02	RFMA
2056	Coarse 40 %	G02	RFMA
836	Coarse 35 %	C21	RFMA
1141	Coarse 35 %	C21	RFMA
1446	Coarse 35 %	C21	RFMA
1751	Coarse 35 %	C21	RFMA
2056	Coarse 35 %	C21	RFMA
810	Coarse 35 %	C21	RFMD
1110	Coarse 35 %	C21	RFMD
1410	Coarse 35 %	C21	RFMD
1710	Coarse 35 %	C21	RFMD
2010	Coarse 35 %	C21	RFMD

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#### TROX Italia S.p.A.

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