

# EFMP Metal flat filter cells



## Description

Flat metal filter U-cell section steele frame with double electrowelded galv. wire mesh containing a layer of aluminum braided mesh.

## Characteristics

The filter consists of multiple alu cuspidated braided-mesh layers.

## Use

Prefiltration for height efficiency filters, dry powders, oil vapours, smoke and fat air treatment.

## On demand

Non-standard sizes and thicknesses.

## Operating data

Pa : pressure drop in Pascal

	spessore 10 mm	spessore 23 mm	spessore 48 mm
CLASSE di efficienza secondo EN ISO 16890:2016		ISO COARSE	
classe di filtrazione (EN 779)		G2	
EFFICIENZA gravimetrica media:	65%	70%	75%
TEMPERATURA massima di impiego:		200°C	
UMIDITÀ relativa massima:		100%	
Perdita di carico iniziale:	5 Pa	10 Pa	15 Pa
PERDITA DI CARICO finale consigliata:		150 Pa	
PERDITA DI CARICO massima:		300 Pa	
VELOCITÀ filtrazione consigliata:		1,5 m/s	
Strati di calza:	2	4	6

## Dimensions and price list

Dimensions are expressed in mm

Item normally available from stock			
model	filter cell EFMP thickness 10 mm euro	filter cell EFMP thickness 23 mm euro	filter cell EFMP thickness 48 mm euro
400x400	▼	▼	▼
500x400	▼	▼	▼
625x400	▼	▼	▼
500x500	▼	▼	▼
625x500	▼	▼	▼
592x592	▼	▼	▼
592x287	▼	▼	▼
490x592	▼	▼	▼

## How to calculate the filter capacity:

$Q \text{ (mc/h)} = A \text{ (mq)} \times V \text{ (m/s)} \times 3600$  A: filter surface and V: air velocity **EXAMPLE OF CALCULATION OF THE AIR FLOW CAPACITY OF A 400x400 FILTER**  $Q = (0,4 \times 0,4) \times 1,5 \times 3600 = 864 \text{ mc/h}$