

EFMP Metal flat filter cells



Description

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

Characteristics

The filter consists of multiple aluminum cuspidated braided mesh layers.

Use

Prefiltration for high 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

model	filter cell EFMP	filter cell EFMP	filter cell EFMP
	thickness 10 mm	thickness 23 mm	thickness 48 mm
	euro	euro	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 FILTERQ** = $(0,4 \times 0,4) \times 1,5 \times 3600 = 864 \text{ mc/h}$