



Description

Synthetic flat filtering cell with U section frame in galvanized steel, double corrugated net in electro-welded galvanized wire that supports the polyester synthetic fiber filtering fabric.

Characteristics

Material : galvanized steel support frame 6/10 thick
Electrowelded galvanized wire mesh 12x24x0,8

Use

Pre-filtration in air ventilation and air conditioning systems.

On demand

No standard dimensions and thickness.

Operating data

Pa : pressure drop in Pascal

Caratteristiche tecniche e limiti di impiego	Spessore 12 mm	Spessore 23 mm	Spessore 48 mm
EN ISO 16890:2016	ISO COARSE	ISO COARSE	ISO COARSE
Classe di efficienza (CEN EN779-2012):	G3	G4	G4
Efficienza gravimetrica media:	80%	90%	90%
Grammatura tessuto filtrante	150 gr/mq	200 gr/mq	200 gr/mq
Temperatura massima di impiego:	100°C	100°C	100°C
Umidità relativa:	100%	100%	100%
Perdita di carico iniziale:	26Pa	43Pa	54Pa
Perdita di carico finale consigliata:	250Pa	250Pa	250Pa
Perdita di carico massima:	400Pa	400Pa	400Pa
Capacità di raccolta polvere:	235gr/mq	351gr/mq	351gr/mq
Velocità frontale consigliata:	1,5m/s	1,5m/s	1,5m/s
Reazione al fuoco (DIN53438/3):	CLASSE F1	CLASSE F1	CLASSE F1
Reazione al fuoco NF-F-16-101	M1	M1	M1

Dimensions and price list

Dimensions are expressed in mm

Item normally available from stock			
model	filter cell EFPP thickness 12	filter cell EFPP thickness 23	filter cell EFPP thickness 48
	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 end V: air velocity **EXAMPLE OF CALCULATION OF THE AIR FLOW CAPACITY OF A 400x400 FILTER** $Q = (0,4 \times 0,4) \times 1,5 \times 3600 = 864 \text{ mc/h}$