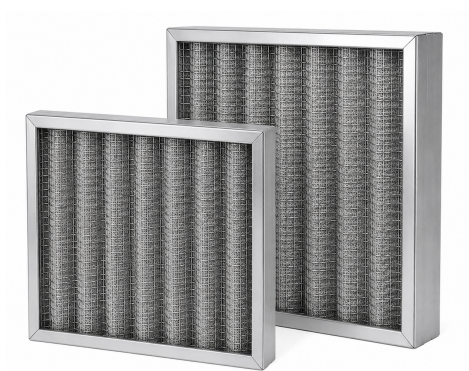


EFMO Metal pleated filter cells



Description

Corrugated Metal Filter Cell with U-shaped galvanized steel frame, double corrugated electro-welded wire mesh supporting the pleated aluminum filter sock media.

Characteristics

La media filtrante è costituita da strati di maglia metallica in calza cuspidata di alluminio.

Use

Pre-filtration in high-efficiency filters, filtration of dry dust and oily mists, air treatment for smoke and grease.

Available Thicknesses

Filters are available in the following thicknesses:

- 48 – 98 mm.

On demand

Non-standard sizes and thicknesses.

Operating Data

Pa : pressure drop in Pascal.

Caratteristiche e limiti di impiego	Thickness 48 mm	Thickness 98 mm
Efficiency Class according to EN ISO 16890:2016	ISO COARSE	
Efficiency Class (CEN EN 779)	G2	
Average Gravimetric Efficiency	75%	
Maximum Operating Temperature	200°C	
Umidità Relativa	100%	
Initial Pressure Drop	45 Pa	
Recommended Final Pressure Drop	150 Pa	
Maximum Pressure Drop	300 Pa	
Recommended Filtration Velocity	1-1,5 m/s	
Filter Media Area / Filter Face Area Ratio	2:1	3:1

Dimensions and Price List

Dimensions are expressed in mm.

Model	EFMO	EFMO
	Thickness 48	Thickness 98
	€	€
400x400	54,18	77,79
500x400	54,18	77,79
625x400	63,08	91,24
500x500	63,08	91,24
625x500	72,32	103,86
592x592	79,94	120,31
592x287	54,18	77,79
490x592	72,32	103,86

How to Calculate the Filter Capacity

$Q \text{ (m}^3\text{/h)} = A \text{ (m}^2\text{)} \times V \text{ (m/s)} \times K \times 3600$ dove **A**: superficie del filtro, **V**: Velocità dell'aria e **K**: costante moltiplicativa (spessore 48mm x 2, mentre spessore 98 x 3). **ESEMPIO DI CALCOLO DELLA PORTATA DELL'ARIA DI UN FILTRO 400x400 SPESSORE 48mm:** $Q = (0,4 \times 0,4) \times 1,5 \times 2 \times 3600 = 1728 \text{ m}^3\text{/h}$