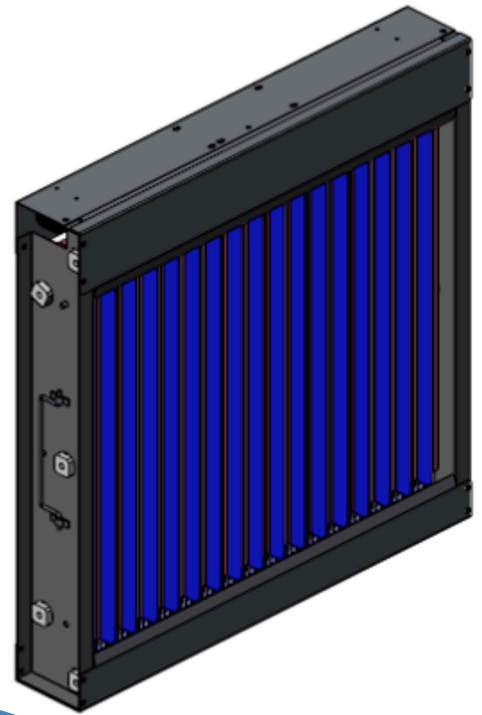


FCP COMPACT PRO

COMPACT HIGH-PERFORMANCE ELECTROSTATIC FILTER



DESCRIPTION

Born from the established technology of the FE SYSTEM range, FCP COMPACT PRO is the next-generation electrostatic filter designed to tackle the most challenging applications.

Thanks to its extremely reduced thickness, FCP COMPACT PRO represents the ideal solution for installations in limited spaces, where every millimeter is crucial. The optimized design allows for simple and immediate integration even in complex plant configurations or retrofit interventions, thanks to standardized frontal dimensions and multipolar connection.

Developed to ensure high efficiency in capturing micro-dust, FCP COMPACT PRO is particularly suitable for critical environments with high technological density, such as data center units, where air quality is essential to ensure reliability and operational continuity.

AIR TREATMENT SOLUTIONS

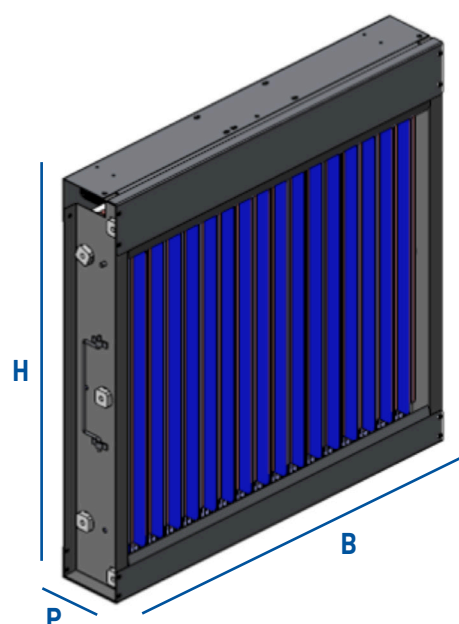
TECHNICAL DATA

Model	AirFlow Capacity m³/h	Electrical Power W	Dimensions BxHxP mm	Weight Kg	Annual energy consumption (KWh/Y)	
FCP600A100	MIN 850 – MAX 3.400	16	592 x 592 x 100	9,8	323	A+
FCP300A100	MIN 425 – MAX 1.700	16	287 x 592 x 100	5	323	A+

Filtration class UNI EN ISO16890 and initial (clean filter) / final (dirty filter) pressure drops

	MINIMUM FLOW RATE	MAXIMUM FLOW RATE
ePM _{1, ini}	99%	40%
ePM _{2.5, ini}	99%	51%
ePM _{10, ini}	100%	81%
$\Delta P_{\text{corr, 1.2kg/m}^3}$ INITIAL	2.0Pa	17Pa
$\Delta P_{\text{corr, 1.2kg/m}^3}$ FINAL	22.0Pa	37Pa

- * A pre-filtration must always be combined with the filter to stop particles >10µm.
- * It is possible to use an ISO COARSE 30% ISO 16890 polypropylene pre-filter with dimensions 592 x 592 x 5 mm or 287 x 592 x 5 mm.



COMPANY CERTIFICATIONS

ILH BERLIN
INSTITUT FÜR LUFTHYGIENE

BSRIA

CETIAT
ensemble, innover et valider

**Consiglio Nazionale
delle Ricerche**



**POLITECNICO
DI TORINO**



Instituto Argentino
de Normalización
y Certificación



**expansion[®]
electronic**
BETTER AIR FOR A BETTER QUALITY OF LIFE

EXPANSION ELECTRONIC SRL

Via delle Industrie, 18. 36050 Cartigliano (VI). ITALY
T. +39 0424 592400. +39 0424 827058. +39 0424 827059. F. +39 0424 827061
www.expansion-electronic.com. info@expansion-electronic.com