

OZONE CELL FX SYSTEM



DESCRIPTION

Expansion Electronic's FX ozonisation cell is suitable for the sanitation, hygiene and disinfection of plants and environments, as it can degrade and eliminate any pollutant or harmful agent such as viruses, bacteria, mites, spores, molds, insects and even toxic chemicals and unpleasant odours.

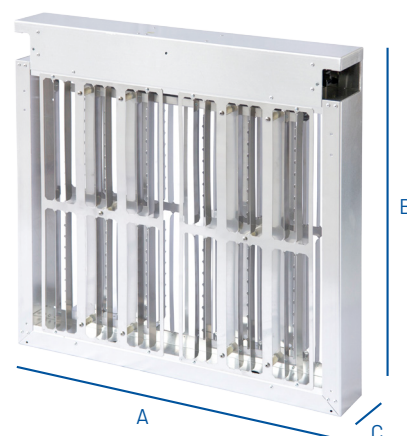
The FX cell has been completely designed, created and implemented in Italy in order to ensure the highest possible reliability. The application areas that can get the greatest advantages are the public sector, healthcare, food and hospitality/catering.

Thanks to its multipolar connection system, you can place multiple cells depending on the filtration demands and airflow. They are easy to assemble and disassemble: you simply need to slide them from their frame in the air handling unit.

The integrated power electronic circuit is waterproof and comes with a LED that checks the correct operation of the filter.

TECHNICAL SPECIFICATIONS

	u.m.	Model FX 300				Model FX 600			
Air speed	(m/s)	1	2	3	4	1	2	3	4
Max Air flow	m ³ /h	426	850	1274	1702	852	1700	2548	3404
O ₃ emissions	ppm	0.4	0.2	0.15	0.1	0.4	0.2	0.15	0.1
O ₃ emissions	µg/m ³	785	393	294	196	785	393	294	196
Dimensions AxBxC	mm	287x592x100				592x592x100			



FUNCTIONALITY

The cell uses the oxygen in the air. Through the use of a fan, the air flows into the machine where the "corona effect" takes place electronically, separating oxygen molecules into atoms. The oxygen atom bonds with free molecules, thus creating ozone.

In just a few minutes, the FX system generates enough ozone to saturate the environment. During this process, people must vacate the treated area.

FX SYSTEM vs GENERIC HYGIENIZATION

ACTION	OZONE	HYGIENIZATION
SMELL	Typical	Unpleasant
POWER	Optimal oxidant	Good oxidant
ANTIVIRAL ACTIVITY	Elevate	Variable
ANTIBACTERIAL ACTIVITY	Elevate	Variable

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