

CP500



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|------------------------------|---|--------------------------------------|---|
| Active electrostatic filter |  | Negative ionization |  |
| Fast and simple installation |  | Regenerable and recyclable materials |  |
| Energy saving |  | Sustainable product |  |
| Health Improvement |  | Active carbon |  |

DESCRIPTION

The multi-stage model **CP500** is particularly suitable for dental laboratories, hairdressers, photographic laboratories, printers and in general for all professional surroundings where the risk of inhaling various kinds of chemicals must be limited. It comprises a mechanical pre-filter (capturing the COARSE particulate), a high-efficiency electrostatic cell (filtering the micro and nano particles), an activated carbon filter (absorbing gaseous substances such as ammonia and amines) and a glass granule chemical filter (absorbing substances such as ozone, mercaptans, methyl chloride, alcohols and certain acids).

The machine can operate horizontally in the free-standing version or it can be vertically or horizontally mounted on a wall with a supplied standard bracket. It is also possible to localise the suction inlet thanks to the addition of an optional extractor hood.

The infrared remote control, supplied standard, is used to select one of the three operating speeds at the press of a button

LE NOSTRE TRE TECNOLOGIE

BASIC[®] SYSTEM

BASIC SYSTEM[®]: represents the first technology developed by Expansion Electronic for the air treatment with active electrostatic filtration. It consists of air filtration combined with the emission of negative ions: both functions are activated simultaneously and are continuous over time.

AFC[®] SYSTEM

AFC SYSTEM[®]: this is a very efficient air treatment technology through the reduction of microorganisms present in the air with the sole use of active electrostatic filtration. The electronic circuit is more enhanced than the previous BASIC SYSTEM version.

Its microprocessor independently controls the efficiency of the active electrostatic filter which automatically adjusts the filtration level to the specific operating condition.

The information is managed through the control panel which allows the conditions of use to be changed at any time. It signals any anomalies and when it is necessary to clean the active electrostatic filters.

This technology does not provide for the negative ionization of the air.

NATURE[®] system

NATURE SYSTEM[®]: this is the most recent, complete and advanced technology, the result of years of company research and development, with the combination of active electrostatic filtration and negative ionization at alternating phases and regular intervals. This allows us to guarantee first of all the capture and inactivation of airborne pollutants and microorganisms, and then revitalize the air through the emission of negative ions.

Goal : to restore air quality conditions such as those of pristine natural environments (sea, mountains), where there is a balance of negative ions and positive ions such as to make people feel a feeling of well-being and freshness.

The user can select the night or day program:

- **Day function:** alternates the air filtration phase together with the revitalization
- **Night function:** revitalization phase.

PERFORMANCE 330 - 510

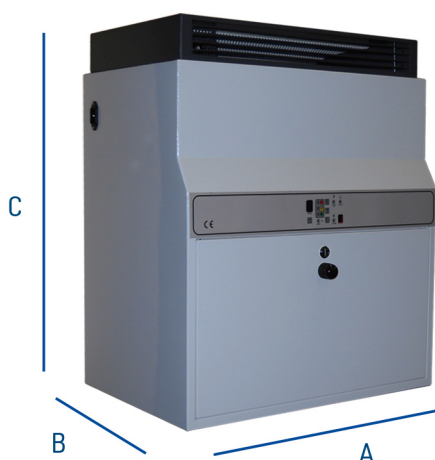
EQUIPMENT, PERFORMANCE AND CONTROLS	NATURE SYSTEM®	AFC SYSTEM®	BASIC SYSTEM
Built-in humidity sensor	✓	-	-
Dual voltage electrostatic filtering (by Expansion Electronic)	✓	✓	✓
CPU for real-time function management	✓	✓	-
Filtering performance control and management	✓	✓	-
Control and management of automatic daytime ionic balance (ideal microclimate)	✓	-	-
Control and management of night-time deodorisation with negative ions	✓	-	-
Control and management of the reduction in the daytime environmental bacterial level	-77%	-55%	-30%
Control and management of the reduction in the night-time environmental bacterial level	-92%	-	-
Control and management of the reduction in daytime and night-time environmental mould	-98%	-40%	-32%
Control and management of the reduction in environmental electrostatic charges	-99%	-	-25%
Control and management of ozone emissions according to EN60335-2-65:2003-07	<1ppm (limite 5ppm)	<1ppm (limite 5ppm)	<1ppm (limite 5ppm)
Automatic control and management of the quantity of daytime negative ion emissions	✓	-	-
Automatic control and management of the quantity of night-time negative ion emissions	✓	-	-
Performance tolerance	±1%	±1%	±9%
Activation of functions using the IR remote control	✓	✓	✓
Automatic restart following a power blackout	✓	✓	✓
Control LED check-up button	✓	✓	-
Alarm light for routine maintenance	✓	✓	✓
Pre-alarm light for routine maintenance	✓	✓	-
Fault warning light	✓	✓	✓
Filtration performance warning light	✓	✓	-
Negative ion emitter electrode/s in special wear-resistant alloy	✓	-	✓
Assembly kit	✓	✓	✓
Warranty on electronic components (for manufacturing defects)	3 years	3 years	2 years
Warranty on the motor/s (for manufacturing defects)	3 years	3 years	3 years
1 st speed filtration performance (on PM2.5)	99% constant	99% constant	95% inconstant
2 nd speed filtration performance (on PM2.5)	98% constant	98% constant	89% inconstant

OPTIONS

- Equipped with active carbon.

TECHNICAL SPECIFICATIONS

MODEL	u.m.	
Capacity		
1 st speed	m ³ /h	180
2 nd speed	m ³ /h	320
3 rd speed	m ³ /h	550
Noise		
1 st speed	dB	47
2 nd speed	dB	50
3 rd speed	dB	60
Consumption	W	95
Power input	V-Hz	230 - 50/60
Dimensions AxBxC	mm	530x370x630
Weight	Kg	54
Weight	Kg	36
Cells	n°	1
Installation		free-standing or wall-mounted
Remote control		yes



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

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