

# ECOKITCHEN EXHAUST FILTRATION UNIT

THE NEW FILTRATION UNIT IMPLEMENTED BY EXPANSION ELECTRONIC IS DESIGNED SPECIFICALLY FOR THE REMOVAL OF SMOKE AND GREASE PARTICLES FROM THE AIR STREAM OF COMMERCIAL KITCHEN EXHAUST SYSTEMS AND FOR THE ELIMINATION OF ODOUR.

THE FILTERS INSIDE THE MODULE GUARANTEE A CONSTANT EFFICIENCY OF FILTRATION AND, THANKS TO A HIGH ABILITY OF SEPARATION AND ACCUMULATION OF OIL, ALLOW A REMARKABLE ENERGY SAVING AND LOW DROP PRESSURE.

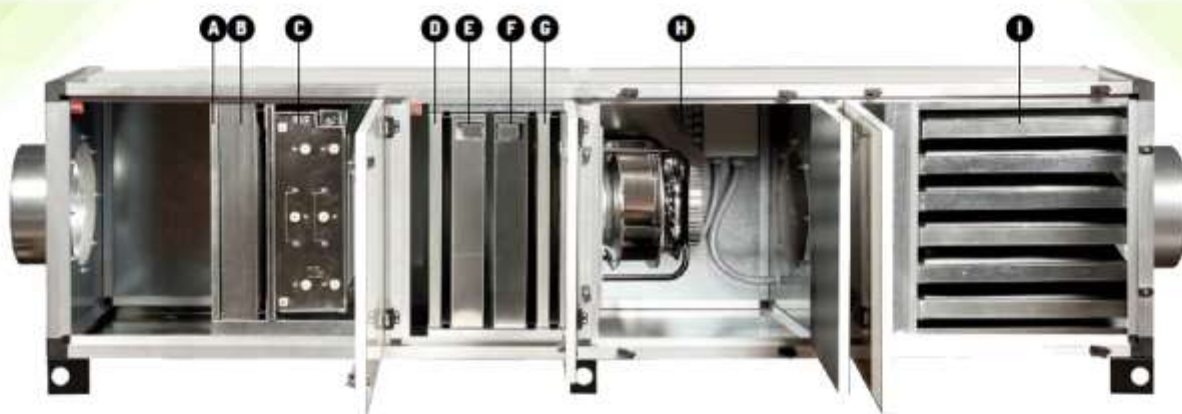


## ECOKITCHEN FEATURES



1. COMPLETELY WASHABLE AND REGENERABLE FILTERS.
2. NOBLE MATERIALS.
3. ELECTROSTATIC TECHNOLOGY FOR REMOVING PARTICULATE GREASE AND OILY VAPORS.
4. IONIZING TECHNOLOGY + OZONE FOR THE REMOVAL OF ODORIGENIC MOLECULES.
5. ACTIVATED CARBON FOR THE ELIMINATION OF OZONE RESIDUE AND BAD ODORS.
6. INSTALLATION OF LOW ENERGY CONSUMPTION PLUG FAN MOTORS.
7. POSSIBILITY OF CUSTOMIZATION FOR USE IN BOTH SMALL AND LARGE KITCHENS.

## FILTRATION SECTIONS



**Metal filter** made with galvanized wire mesh and galvanized frame, filter class EN 779 G2

**Filtro in maglia metallica** composto da rete metallica zincata e telaio zincato, classe filtro EN 779 G2



**Ozonisation filter FX**, with plates. (optional)

**Filtro ozonizzante FX**, a piastre. (optional)



**Sponge filter** of 30 PPI, able to filtrate large quantities of fat and oil. Fast and easy maintenance.

**Filtro in spugna** da 30 PPI in grado di filtrare grandi quantità di olii e grassi. Facile e veloce manutenzione.



**Inox Steel Turbulator** to increase air, ions and ozone combination. (optional)

**Turbolatore** in acciaio inox per aumentare la miscelazione aria, ioni e ozono. (optional)



**Electrostatic precipitator** for oil and fat. FEL SYSTEM model, high efficiency performance with 230V electrical supply.

**Filtro elettrostatico** per olii modello FEL SYSTEM ad alta efficienza. 230V.



**Electric fan** with power control.

**Ventilatore** elettronico con controllo elettronico della potenza.



**Labyrinth filter** that guarantees the blockage of further possible drops of oil. It is placed before and after the ionizing filter FI. (optional)

**Filtro a labirinto** che garantisce il blocco di ulteriori possibili gocce d'olio. Viene posto prima e dopo il filtro ionizzante FI. (optional)



**Granular activated carbon filter** with galvanized metal frame sheet. Labyrinth disposition.

**Filtro a carboni attivi** granulari con telaio in lamiera zincata, disposti a labirinto.



**Ionization filter** ensures better sterilization and reduction of odours. (optional)

**Il filtro ionizzante FI** garantisce una maggiore sterilizzazione e riduzione degli odori. (optional)

## ECOKITCHEN PARAMETERS

| MODEL<br>MODELLO | DIMENSIONS (DxWxH)<br>DIMENSIONI (PxLxH) | N° OF ESP ELECTROSTATIC FILTER<br>N° DI FILTRI ELETTROSTATICI | AIRFLOW (speed passage 3 m/s)<br>PORTATA D'ARIA (velocità passaggio 3 m/s) | EXTERNAL STATIC PRESSURE<br>PRESSIONE STATICA | FAN<br>VENTILATORE |
|------------------|------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------|--------------------|
| ECO 0,5          | 545 x 1800 x 810                         | 1 FEL 300                                                     | 1300 m <sup>3</sup> /h                                                     | 500 Pa                                        | D0MP7/7T           |
| ECO 1            | 658 x 2550 x 715                         | 1 FEL 600                                                     | 2500 m <sup>3</sup> /h                                                     | 500 Pa                                        | RAD 310            |
| ECO 2            | 1250 x 2550 x 715                        | 2 FEL 600                                                     | 5000 m <sup>3</sup> /h                                                     | 500 Pa                                        | RAD 310            |
| ECO 2,5          | 1650 x 2550 x 715                        | 2 FEL 600 + 1 FEL 300                                         | 6000 m <sup>3</sup> /h                                                     | 600 Pa                                        | RAD 355            |
| ECO 3            | 1950 x 2550 x 715                        | 3 FEL 600                                                     | 7650 m <sup>3</sup> /h                                                     | 800 Pa                                        | RAD 400            |
| ECO 4            | 1350 x 2650 x 1460                       | 4 FEL 600                                                     | 10500 m <sup>3</sup> /h                                                    | 1000 Pa                                       | RAD 450            |
| ECO 5            | 1650 x 2650 x 1460                       | 4 FEL 600 + 2 FEL 300                                         | 13000 m <sup>3</sup> /h                                                    | 800 Pa                                        | 2 x RAD 355        |
| ECO 6            | 1950 x 2650 x 1460                       | 6 FEL 600                                                     | 15000 m <sup>3</sup> /h                                                    | 800 Pa                                        | 2 x RAD 400        |
| ECO 9            | 1950 x 2650 x 2000                       | 9 FEL 600                                                     | 22500 m <sup>3</sup> /h                                                    | 1000 Pa                                       | 4 x RAD 400        |

NB: THE DIMENSIONS ARE: D = Depth • W = Width • H = Height - LE DIMENSIONI SONO: P = Profondità • L = Larghezza • H = Altezza



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