

## IAQ 40-HEPA-DENTAL

Coros Air systems are used worldwide by major research institutes, hospitals and industrial companies as a solution for air purification in critical areas. Coros Air Dental Series specifically offers the correct professional solution to protect dentists, staff and patients from both pathogens such as viruses, bacteria, spores, molds and from chemical agents such as aldehydes, Voc, and airborne residues for the removal of old mercury fillings.



### System composition

The Dental series has a solid structure, equipped with comfortable wheels, and a special self-supporting PVC pipe resistant to acids, aldehydes and drilling products, which immediately intercepts the air-dispersed materials and holds them in the filters. In addition to the localized suction that captures the aerosols from drilling and mercury vapors directly from the source, avoiding their inhalation, the use of this equipment improves the quality of the air present in the room where it is used.

### Performance power

**1. It is the professional purifier for dental practices, whose HEPA filter is classified**

EN 1822, the most severe test for HEPA filters used in hospitals and clean rooms.

**2. Individually tested and certified.**

Each IAQ Dental device is equipped with a certificate that reports the actual results of the tests carried out on the system, in relation to the filtration efficiency and the air flow rate.

**3. Use only recognized filtration technologies (absolutely no ozone emissions).**

- Prefilter with a filtration surface of 0.5 m<sup>2</sup> (Class F6).
- HEPA filter with a filtering surface equal to 10 m<sup>2</sup> of filter material, class H12 / 13 clean rooms.
- Activated carbon filter impregnated for the retention of gas and odors.

**4. Filtration efficiency  $\geq 99.97\%$  at 0.3  $\mu\text{m}$  and  $\geq 99.5\%$  at 0.1  $\mu\text{m}$  even for the smallest particles (e.g. virus).**

**5 Suction speed on the work area above 11.5 m / s**

### Superior, long-term performance with low running costs

1. Extra long filter life thanks to a high quantity of filtering capacity (the longest lasting on the market).
2. Lower operating costs due to longer filter life.
3. Low energy consumption.
4. Individually replaceable filtration elements. Only the worn filter is replaced (no filters in bulk).

### The most advanced equipment

1. An LED light on the control panel indicates when and which filter should be replaced.
2. Choice of fan speed.
3. Casters for convenient movement included.

### Excellent qualities

1. Robust enamelled steel case (no emission).
2. Powerful fan, certified for long-lasting operation.

### Technical characteristics in brief

**AIR FLOW:** 510 cubic meters / hour

**ENERGY CONSUMPTION:** 20-85 watts

**DIMENSIONS / WEIGHT:** cm. 40x40 x 60 h / 9.5—19 Kg depends on the TUBE model: length 1.5 m

**VOLTAGE / FREQUENCY:** 220-240 V / 50-60 Hz **NOISE:** min 25 -max 58 decibels **SPEED:** variable **NB:**

customized tube lengths available.

**NB:** For a professional evaluation of our technicians, request the "analysis and solutions" form.