

# Web Cleaner, film cleaning equipment ECOVAC 5

## Web Cleaner, film cleaning equipment ECOVAC 5

For the purpose of doing an optimum dusting of a film, it is imperative to implement three indissociable actions:

- A mechanical force to separate of the particles from the support,
- An ionization of the air to eliminate the electrostatic attraction,
- A suction to remove the particles.

We find these three actions associated in the ECOVAC 5 ionizing web cleaner.

The mechanical action by a scraper placed at the centre of the suction slits makes it possible to lift away the particles from the film, revealing their electrostatic charge. Its central position, between the suction slits, guarantees an optimum dusting quality. The ionization of the air cancels out the electrostatic phenomenon of adhering. This is done by the CORONA effect. Each ionizing point connected to high voltage generates an electrical field charged with positive ions and negative ions (electrons). When the material being treated is under the influence of this electrical field, a transfer of electrons (negative ions) is produced until the charges are neutralized on the surface of the material. On the ECOVAC 5 ionizing web cleaner, the ionization points are connected by a capacitor device to the high voltage source, thus limiting the current at a few micro-amps. These appliances therefore present no danger in the event of contact with the switched-on points.

Two suction slits, placed on both sides of the scraper, allow the collecting of particles in accumulation. The ECOVAC 5 ionizing web cleaner satisfies the most stringent specifications. It integrates the notions of good practices in matters of health and safety of the foodstuff and pharmaceutical industries. The ECOVAC 5 ionizing web cleaner was designed in complete compliance with the environmental constraints of the foodstuff and pharmaceutical industries. Its disassembling, for daily cleaning operations, does not require any tool. Moreover, the equipment is assembled without any screw or removable components. This means that there is no risk of losing of any part liable to contaminate the products to be treated.



- High performance
- Compact and robust
- Recognized reliability
- Standard painted steel version,  
(or optional stainless steel)
- Dismantling without tools
- Suits the most stringent specifications
- Making to measure and quick delivery



# Web Cleaner, film cleaning equipment ECOVAC 5

## TECHNICAL DATA

**Length:** Active part 300 to 800 mm on request.

**Materials:** Suction chamber: in 304L stainless steel for the foodstuff, pharmaceutical and cosmetic industries.

**Suction connection:** 80 to 120 mm diameter sleeves according to the length of the active part.

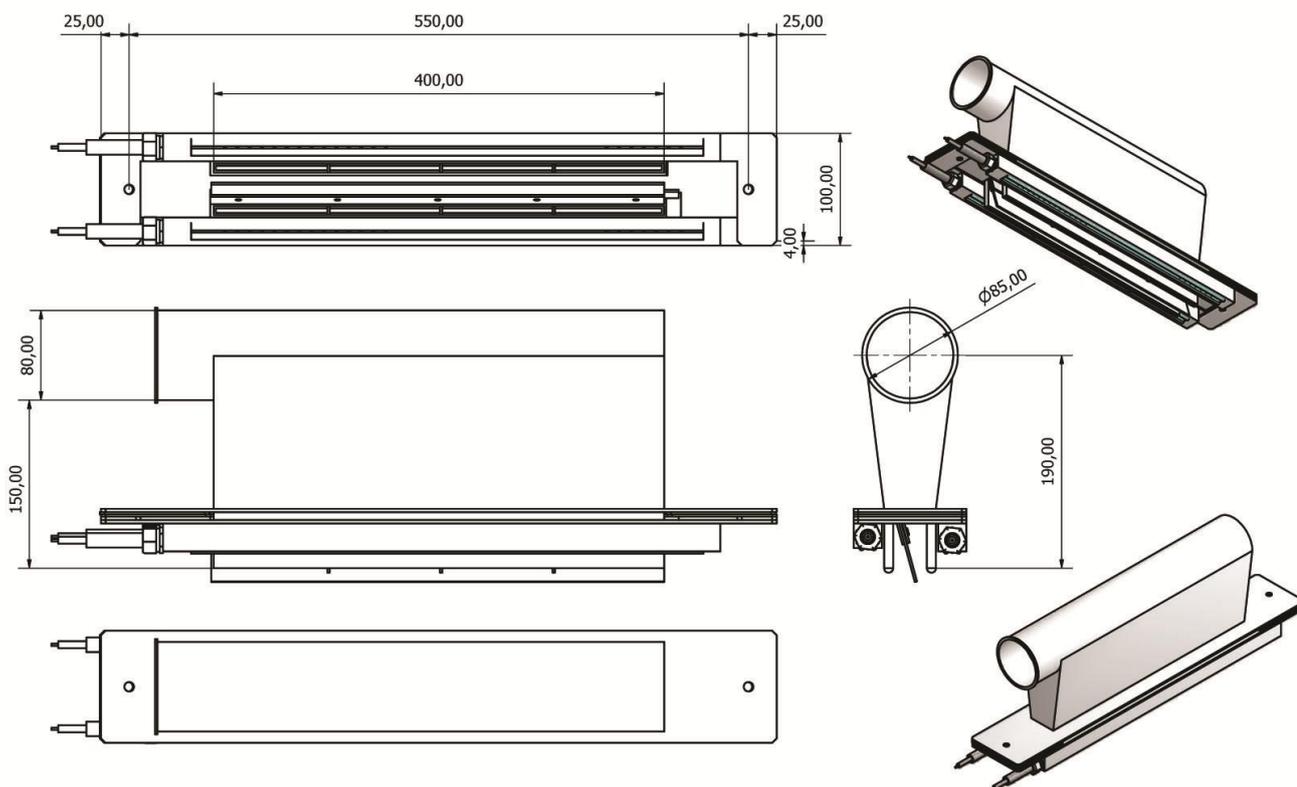
**Anti-static bars:** 2 type ECA 88 B.

**Scraper:** 1 polyethylene scraper.

**Power unit link cable:** Assembly delivered with two shielded high voltage cables of 3 meters length. Other lengths on request. Connection to high voltage on the terminal board.

**Suction unit:** To be determined according to the length of the active part.

**Recommended power unit:** SC 04 B sib



**This equipment must not be used in an inflammable or explosive environment!**

-----  
The web cleaner and the power unit are to be earthed well so that the appliance operates properly

 ELCOWA s.a. 27 Rue de Ruelisheim F-68200 MULHOUSE  
 +33 (0) 389 573 573  
 @sales@elcowa.com

 +33 (0) 389 571 718  
 www.elcowa.com

