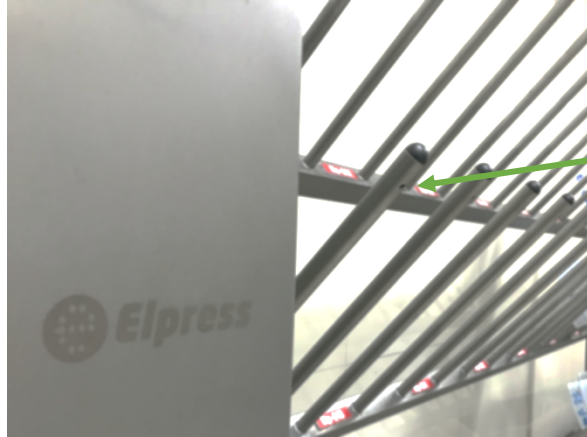


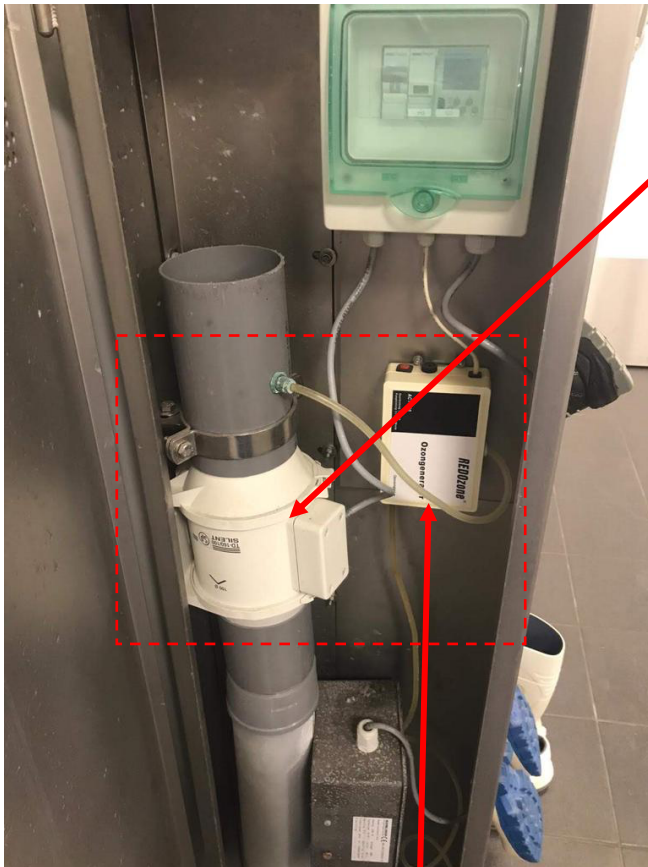
How does it Work on Boot Dryer?



An **ozone generator** is a device designed to produce the gas **ozone**. **Ozone** is used effectively in water purification, and **ozone** in air to remove air pollutants. In this case the machine sucks oxygen from the air and converts to Ozone to remove air pollutants in the boots whilst drying.

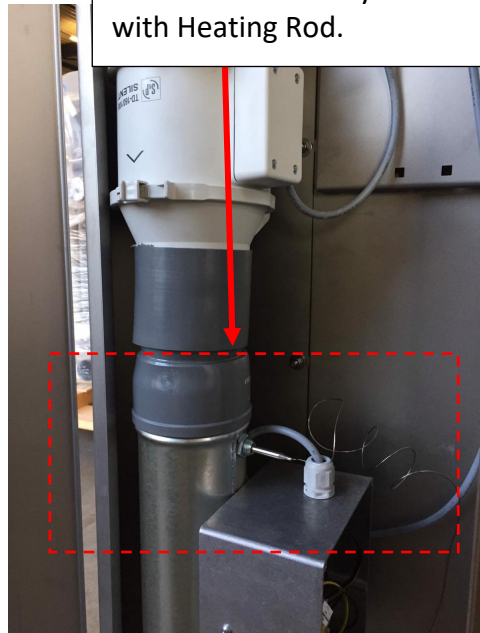


Holes in the Rods emit the heat and Ozone



Elpress Ozone Generators connected to the Cylinder for odor control.

Elpress Ozone Generators connected to the Cylinder with Heating Rod.



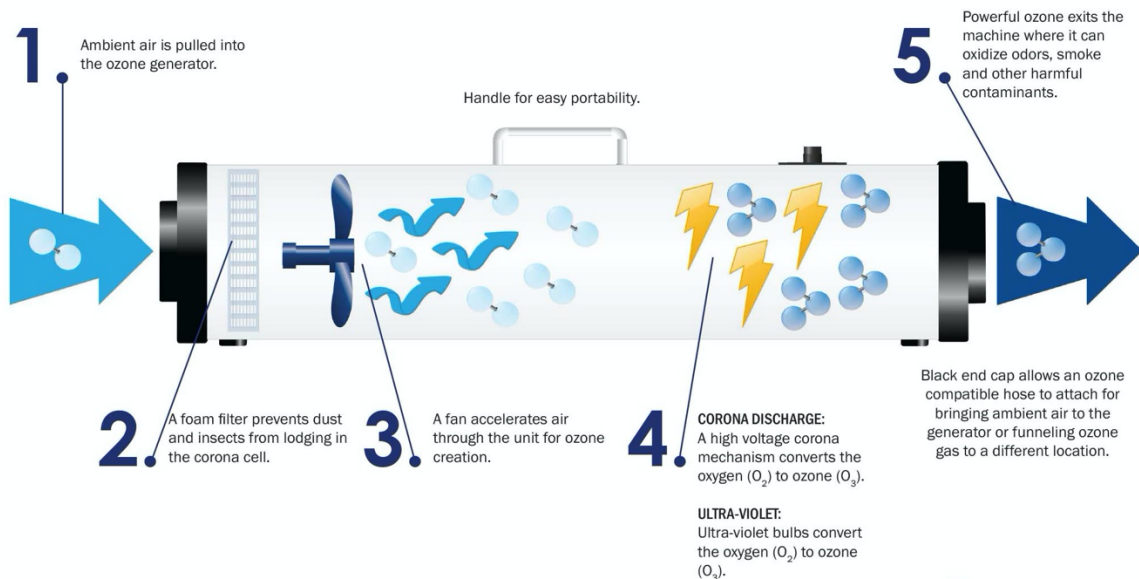
Controller – with Timing Switch.
Refer to technical manual.

What is Ozone Generator ?

Ozone generators produce ozone by breaking apart oxygen (O_2) molecules into single atoms, which then attach to other oxygen molecules in the air to form ozone (O_3). ... Silent corona discharge: These machines use electric discharge to produce ozone by splitting the normal oxygen molecules in the air into single atoms.

THIS IS AN EXAMPLE :

HOW AN AMBIENT AIR OZONE GENERATOR WORKS



THIS DIAGRAM IS NOT TO SCALE



Controlled Emission?

Rooms where dryers are placed should be ventilated. The first signs of ozone irritation (seen at $0.2 \text{ mg} / \text{m}^3$) are coughing, throat scratching, drowsiness and headache. At higher concentrations it can lead to an increase in blood pressure, acceleration of pulse rate and fatal pulmonary edema (at concentrations of $9\text{-}20 \text{ mg} / \text{m}^3$). The highest permissible concentration of ozone in the workplace is $0.1 \text{ mg} / \text{m}^3$ [17] (according to PN – Z – 04007–2: 1994, the OEL is $0.15 \text{ mg} / \text{m}^3$ [18]).