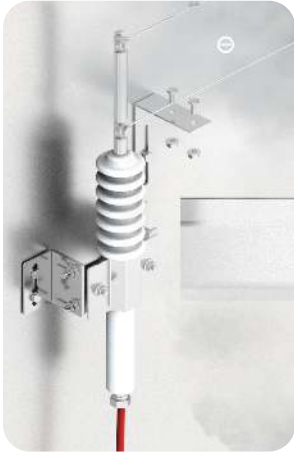


## Safety & Maintenance Document - Ionsmoke System



**i** Ionsmoke is a new patented technology that significantly improves the **efficiency** of smoke systems, increases **environmental** friendliness and reduces **particulate matter**. All of this is seamlessly handled by the **controller**. A specially developed algorithm monitors smoke density and controls the module.

- Smoke is **ionized** by high voltage
- Concentrated acceleration of **smoke transfer** to the product
- Only 60W additional **energy requirement** (maximum one bulb)
- The smoke produced is consumed in **recirculation** mode

### Safety

**Safety switches** on the doors ensure that Ionsmoke cannot be started while a door is open and stops immediately if a door is opened during the program flow. There is an **emergency stop** cable in the chamber and the doors can be opened on both sides.

The **EB1 controller** takes care of the second safety step. If the high voltage cannot be built up – it is stopped immediately. The controller is also responsible for automatically starting up and maintaining the voltage during smoking operation. Vibration-resistant, the voltage remains stable even under increasing humidity and adapts to the constantly changing humidity, temperature and smoke environment in the millisecond range.

The Ionsmoke system (control cabinet) must be installed in the immediate vicinity of the smoke system.

### Proper operation

Ionsmoke does not require any additional training beyond the usual use of the controller. This is because the Ionsmoke module is seamlessly connected to the controller. The smokehouse works in the same way as it did before installation.

For optimal results, we recommend that you refer to the original assembly of the chamber manufacturer.

### Specifications

- Power supply: 230V AC / 50 Hz
- Back-up fuse: 6A
- Supply cable: 3x1.5mm<sup>2</sup>
- Control Voltage: 24V DC
- Maximum Consumption: 60W
- Typical power consumption: 5-10W



**Attention:** During operation, the chamber door must be closed and no person may be in the chamber.

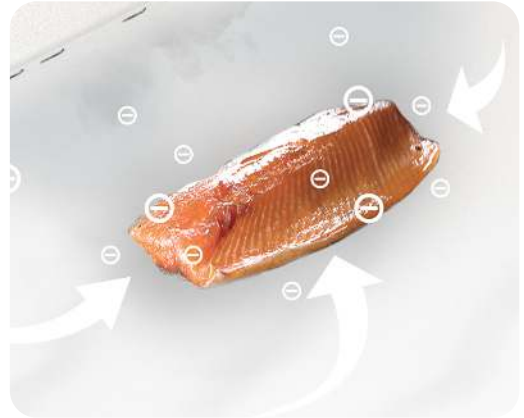
## Correct cleaning

A smokehouse with the lonsmoke system can be cleaned at the same intervals as before. But at least once a week.

**Insulators:** Rinse with high pressure during cleaning – check for cleanliness and re-clean with acetone if necessary.

**Wire:** visual inspection after cleaning to see if it is still stretched

**lonsmoke cables:** Rinse with high pressure while cleaning (lonsmoke cable only if it is routed inside the chamber)



## Maintenance

The following points must be taken into account during maintenance. Maintenance may only be carried out by an appropriately trained specialist.

- Check lonsmoke cable for damage.
- Check the wire tension and tighten it if necessary.
- Check the sensor cable. The shielding of the cable must be correct and the sensors must be completely isolated from the ground.
- If necessary, make insulation measurements of the sensor cable between the control system and the smokehouse. **Attention:** The cable must not be connected to the controller or the sensor for the insulation measurement. Alternatively, sensors can also be checked by measuring resistance to soil.
- If the controller does not come from EBSmoke – surge protectors should be installed between the sensor cable and the controller. If you have any questions, please contact us.

