

# Aircode™ ID AC-500

*Upgrade the ventilation system!*



## Aircode™ ID AC-535 / ID AC-550

Aircode ID 500 is an ionization unit for installation in the ventilation system. The unit creates a clean environment in both industrial and commercial buildings.

The unit eliminates odours, bacteria, airborne microbes, gases, mould and fungus spores.

Inside the unit are five ionization tubes, that have an operating time of about 9000 hours. It's also equipped with an emergency exit.

Service agreements can be made, which means that we, once or twice a year, test functionality, clean the unit and change tubes if necessary.

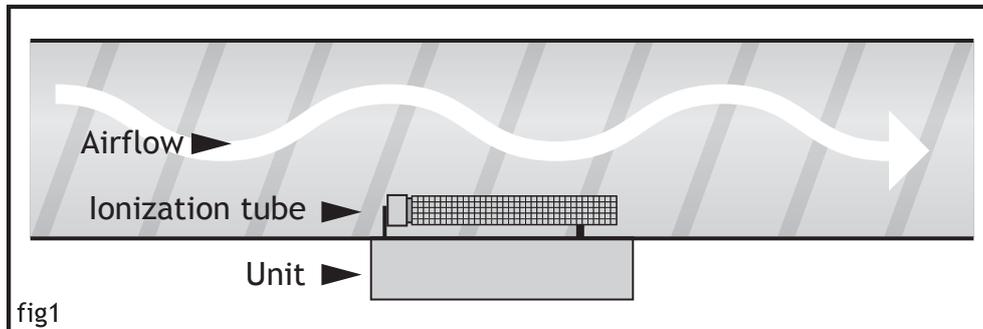
### Technical data

	ID AC-535	ID AC-550
Location:	In the ventilation system	In the ventilation system
Voltage:	230V, 50Hz	230V, 50Hz
Number of tubes:	1-5	1-5
Size of tube:	35	50
Energy consumption:	35 watt	35 watt
Weight:	7,2 kg	7,2 kg
Size:	h: 215mm, w: 306mm, l: 645mm	h: 215mm, w: 306mm, l: 645mm
Capacity:	Up to 7,100 m <sup>3</sup> /hour	Up to 10,200 m <sup>3</sup> /hour
Applications:	Sewage works, hospitals, factories, offices, cleaning rooms, etc.	Sewage works, hospitals, factories, offices, cleaning rooms, etc.

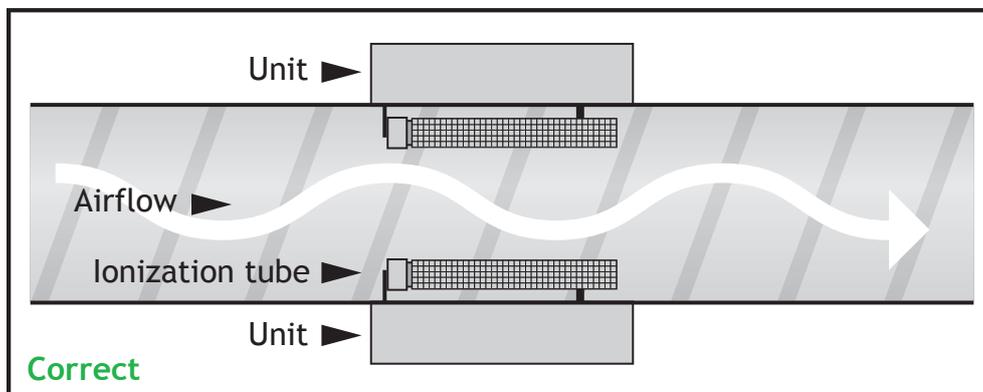
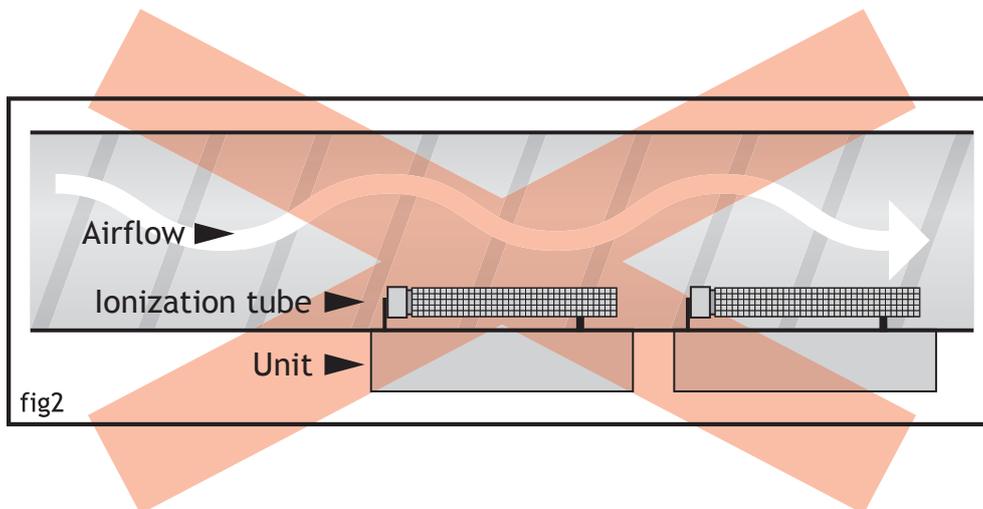


## Installation in ventilation ducts

1. Carefully remove the packaging. Check that the unit is adjusted according to rated voltage.
2. Check that the ionization tubes are not damaged.
3. Screw the ionization tubes on.
4. Make a hole in the ventilation duct (see fig. 1) Fasten the unit with the screws.



5. The unit should be installed with the ionization tubes in line with the direction of the ventilation duct.
6. If two units are installed in the same ventilation duct, they must not be installed so that ionized air pass the second unit (see fig. 2).



7. The units should be installed for easy access, to make service and maintenance easy. They should also be installed so that one easily can access the unit's control panel.
8. The unit should be sealed with the fan, that generate the air flow in the system.

## Electrical installation

**Warning! The ionization tubes generate up to 3000 volt, when connected.  
Do NOT connect the unit before the installation is completed.  
Always disconnect the power by pulling the plug before any maintenance is done on the unit.**

Power connection: 230V, 50Hz  
Power-requirement: 35 watt

1. The unit may only be used when connected to an air flow.
2. Built-in T315mA fuses protects the unit.
3. The unit is also equipped with an alarm system, that can be connected to existing alarm systems. The unit sets of the alarm if any of the ionization tubes brakes and in that way causes the unit to not ionize the air correctly.

## Operating instructions

1. Set the main switch to position one. The lamp is lit if the unit is connected.
2. The ionization control goes from 0 to 5. When in position 0 no ions are generated. Adjust the control from 1 to 5 in order to increase the ionization effect. The red indicator lamp is lit when the effect is more than 0.
3. The installation engineer sets the amount of ions that the unit should generate and the unit doesn't need adjustment after that. But, one should turn the effect down, if one sense a strong scent of ions. This is not dangerous, only an indication that the unit generates more ions than necessary.

## Maintenance and service

Service agreements can be made, which means that [Eco Air Technologies Ltd](#) or one of our retailers, once or twice a year, test functionality, clean the unit and change tubes if necessary. When signing running 3-year contract you get 20 % discount on maintenance costs, and full guarantee on the units.

### Control of the ionization tube:

1. Cut the power by pulling the plug.
2. Disassemble the unit.
3. Unscrew the ionization tubes.
4. Carefully pull the metal sock off, wipe the glass with a wet cloth. Then wipe the tubes dry with a dry cloth.
5. Carefully put the metal sock back on.
6. Screw the tubes back on.
7. Install the unit.
8. Insert the plug and check that the unit is working properly - a faint buzzing sound should be heard from the unit.

To maintain optimal functionality, the tube should be cleaned every sixth months and replaced once a year. To order tubes, contact [Eco Air Technologies Ltd](#), by phone 01386 860061 or E-mail: [info@ecoairtech.co.uk](mailto:info@ecoairtech.co.uk)

## Trouble shooting

1. If the effect goes down partly or completely, the ionization tubes should be checked.
2. Tubes with more than 9000 operating hours should be replaced.
3. If the unit stops working, begin by checking that the power is connected to the unit.
4. Next step is to check the fuse.
5. If this doesn't help the problem contact [Eco Air Technologies Ltd](#) by phone 01386 860061



Eco Air Technologies

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