

# EKOion

## Pump Pit Unit 2-E-V

EKOion has developed ionization equipment that effectively ionises and purifies indoor air.

With a corona discharge, the electron tube releases electrons that ionize the surrounding air's oxygen molecules so that they become negatively charged oxygen ions. The number of oxygen ions varies according to the length, voltage and air velocity of the tube over the tube.

With our products you purify the air from particles, bacteria and viruses and neutralize odors, while also contributing to your well-being you also have the opportunity to lower your energy costs.

With EKOion's products, we clean the air in the room, without having to replace it with cold outdoor air. With our technology, the need for over-ventilation disappears.



The working environment in and around most sewage pump pits and sewage pump houses is among the worst you can get to. In addition, these are often located in or close to populated areas and they often disturb their surroundings with their smells.

EKOion's Pump Pit Unit Model 2-E-V is developed for spaces with very demanding conditions and the odors are effectively eliminated.

By blowing a very high concentration of oxygen ions into the pool space with low flow, sewage odors, bacteria and hydrogen sulphide where they are created are eliminated. By naturally purifying the air where it is at its worst in the pump pit, an acceptable working environment is created in the pump housing, corrosion problems on electronic equipment and steel parts are avoided while the environment on the outside becomes odorless.

EKOion's ionization equipment reduces harmful substances and bad smells. It is a very cost-effective solution compared to other purification methods, such as chemical.

Imagine a sewage treatment plant that does NOT smell like sewage.

The ionisation units are sold with a one-year operating guarantee. To maintain guaranteed function, the electron tube should be replaced after approx. 8500 operating hours or two years. When replacing ionization pipes, it is also recommended to clean the supplied filter located in front of the fan.

EKOion electron tube is 100% recyclable. When ordering new pipes as spare parts, the replaced pipes are advantageously sent back to EKOion, which sorts and recycles. Feel free to ask your seller for a return shipping slip.

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Fiskhammsgatan 8E  
414 58 Gothenburg  
Sweden

bestallning@ekoion.se  
www.ekoion.se

Measure	470 x 160 x 140 mm
Weight	3,7 kg
Room size	18 - 25 m <sup>2</sup>
Power requirements	30 W
Ionization tube	Typ-E
Air flow	150 m <sup>3</sup> /s

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# ACM

## Assembly, Calibration and Maintenance

### Replacement of ionization tube, 1 time / year

**01!**

Never work with voltage on.

**02**

Unscrew the four screws on the long sides of the unit. Then lift off the protective cover.

**03**

Unscrew the electron tube from the transformer.

**04**

Screw in the new electron tube in the transformer.

**05**

Check that the ground plate has good contact with the outer mesh of the electron tube.

**06**

Replace the protective cover, then screw back the four screws on the long sides of the cover.

**07**

Insert the plug into the socket.

**08**

Check that the indicator light is on on the transformer.