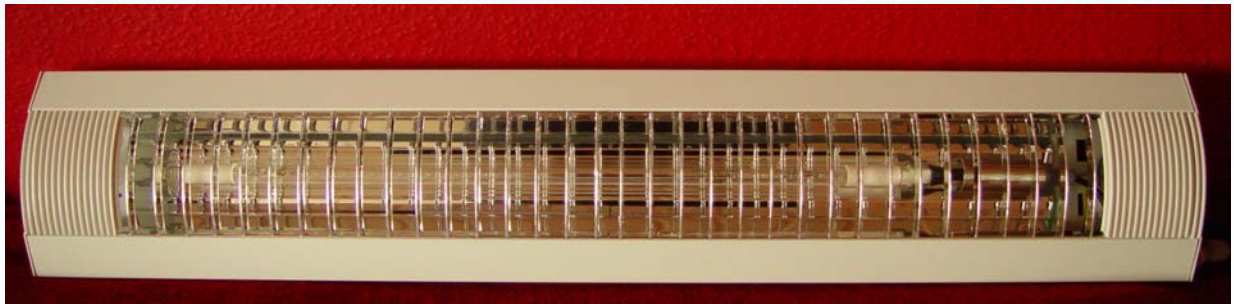


## Air disinfection with UV-radiation - the sure method -

Air contaminated with free floating microorganisms can be treated with UV-radiation as traditional methods fail to disinfect air effectively or are not applicable a priori.

UV-disinfection of air leads to a lower level of germs because natural convection ensures that all air films are treated with UV-C. Generally, compartment air is treated with lower radiation dosage compared to other applications like water treatment.

We therefore equip all lamps with reflectors consisting of ultra pure aluminium.



Survey of UV-plants

| Type                    | Field of application | Lamp | Dimensions<br>(L x B x H) mm | Possible room volume with continuous operation |                        |
|-------------------------|----------------------|------|------------------------------|--|------------------------|
|                         |                      |      |                              | Disinfection level 80%                         | Disinfection level 88% |
| AIRPURION 17            |                      | 17 W | 705 x 185 x 60               | 36 m <sup>3</sup>                              | 18 m <sup>3</sup>      |
| AIRPURION 17 moist room | moist room           | 17 W | 705 x 185 x 60               | 36 m <sup>3</sup>                              | 18 m <sup>3</sup>      |
| AIRPURION 36            |                      | 36 W | 1315 x 185 x 60              | 53 m <sup>3</sup>                              | 26 m <sup>3</sup>      |
| AIRPURION 36 moist room | moist room           | 36 W | 1315 x 185 x 60              | 53 m <sup>3</sup>                              | 26 m <sup>3</sup>      |
| AIRPURION 48            |                      | 48 W | 705 x 185 x 60               | 70 m <sup>3</sup>                              | 35 m <sup>3</sup>      |
| AIRPURION 48 moist room | moist room           | 48 W | 705 x 185 x 60               | 70 m <sup>3</sup>                              | 35 m <sup>3</sup>      |
| AIRPURION 75            |                      | 75 W | 1315 x 185 x 60              | 100 m <sup>3</sup>                             | 50 m <sup>3</sup>      |
| AIRPURION 75 moist room | moist room           | 75 W | 1315 x 185 x 60              | 100 m <sup>3</sup>                             | 50 m <sup>3</sup>      |

### Effective operation of UV-lamps to reach air disinfection

UV- plants can be used for disinfection of working stations or as uv-radiation barrier between rooms or air conditioning plants. Natural convection of air leads to reduction of the germ level.

UV-units for indirect operation:

Those units can be used in occupied interiors without the need of protective clothing. Installation has to make sure that it is not possible for people to come in contact with the uv-radiation

UV-units for direct operation:

This method is used in cases where either the room is unoccupied or where it is possible for the occupants to take protective measures against radiation.

### Attention!

UV - radiation is dangerous for skin and eyes! Protection of Skin and Eyes has to be ensured.

Note, the operator is responsible for the safety of persons staying in the room.