

# KIT-Case Study Indoor Air Purifiers for Classrooms

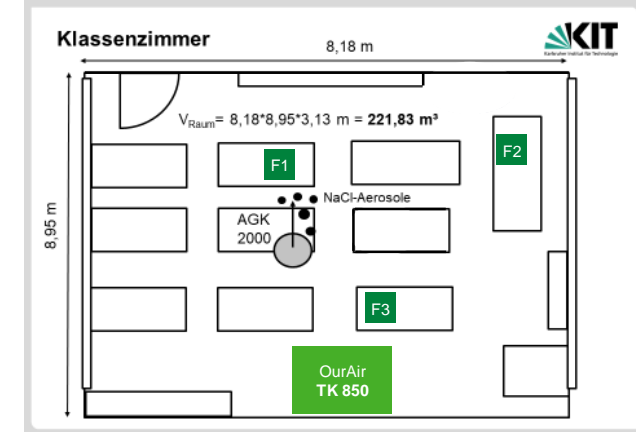
## Reduction of Aerosol Levels with the OurAir TK 850

### Test setup

- Classroom volume approx. 220 m<sup>3</sup>
- Aerosol generator Palas® AGK 2000
- Aerosol measuring devices Palas® Fidas® Frog (three distributed across the room)
- Antiviral indoor air cleaner MANN+HUMMEL OurAir TK 850

### Results

- Significant equal reduction of the aerosol levels at all three measuring points after switching on the OurAir TK 850
- Reduction of locally generated concentration peaks within a few minutes (simulated coughing)
- Effectiveness of HEPA filtration also proven under real life conditions with students in the room (no aerosol generator in operation)
- **The indoor air purifier OurAir TK 850 significantly reduces the aerosol levels in the room and thus helps to decrease the risk of infection**



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