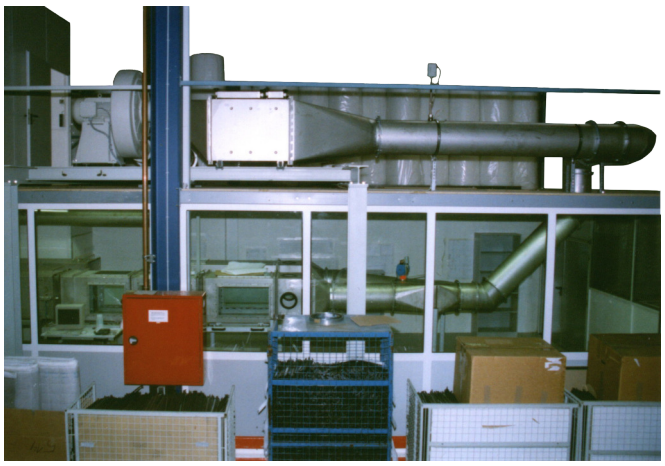
GVT 3000



Upgrading and automation of particle measurement with the GVT 3000 (**G**eneral **V**entilation **T**est System Upgrade), serves in quality assurance and the development of filters in EN 779, ASHRAE 52.2, and ISO 16980 test rigs. The upgrade consists of an aerosol spectrometer, incl. a laptop/PC and monitor, aerosol generators (optionally: discharge unit), a sampling system, as well as automation of the measurement process.

Benefits

- Easy use of different test aerosols, e.g. SAE Fine and Coarse, NaCl/KCl, DEHS
- Highest dosing consistency in aerosol generation
- High resolution measurement technology using welas® digital / Promo® with up to 120 size classes per measurement range, e.g. 0.2 - 10 μm
- Large particle size range of 0.2 - 100 μm in four measurement ranges
- Determination of PM_1, $PM_{2.5}$ and PM_{10} values
- Classification accuracy and size resolution exceeding the high demands from ASHRAE 52.2.
- Minimisation of sampling losses through the use of patented optical fibre technology
- Sequence programs for EN779:2012, ASHRAE 52.2 and ISO 16890
- Short set-up times
- Cleaning and calibration can be performed autonomously by the customer
- Highest measurement reproducibility of the test system
- Reliable, fast, reproducible and therefore cost-effective measurement results
- Complete system from Palas, including the individual components
- Clear verification of the function of the individual components and the system as a whole within the scope of pre-delivery acceptance testing and on delivery
- Low maintenance

Applications

- Testing of room air filters in accordance with EN779:2012
- Testing of room air filters in accordance with ASHRAE 52.2
- Testing of room air filters in accordance with ISO 16890

NORMS AND CERTIFICATES

EN779:2012, ASHRAE 52.2, ISO 16890