

Filtrieren und Separieren



**MFP 1000 HEPA
MFP ULPA**

**Filter efficiencies
tested from
8 nm up to 40 µm**

NEW:
Optional with
U-SMPS

PALASCOUNTS

MFP 1000 HEPA and MFP ULPA

Palas® offers complete test systems and components for the development, characterization and further development of filter media. With filter tests it is essential that the tests can be accomplished fast, reproducibly and repeatably. The well proven filter test systems from Palas® are built in accordance with standards, but also planned and reproducibly built according to customers request.

Palas® filter test systems primarily consist of the following individual components: powder dispersion generators, aerosol generators, dilution systems, corona discharge units and aerosol spectrometer systems. All individual components are clearly characterized, supply reproducible results and exceed international standards. The handling is simple and economical. The new filter test system **MFP 1000 HEPA and MFP ULPA** can be used for

- tests according to EN 1822-3 (HEPA/ULPA), ISO 11155-1 (cabin air filters), EN 779/ASHRAE 52.2 (room air filters), CEN EN 143 and other standards in different versions
- testing filter media and small filter elements in the product development and at the production control.

The integrated scattered light spectrometer **welas®** digital 1000 allows an unambiguous and reliable determination of the separation efficiency and the MPPS range of HEPA filters from 120 nm up to 40 µm.

Using the new U-SMPS made by Palas® in the MFP, the detection range can be extended for nanoparticles in a range between 8 nm up to 1 µm. This allows a clear and definite detection of the MPPS range.

As an alternative, other aerosol spectrometers can be applied to the filter test system. On request also other particle measuring devices can be retrofitted with this test rig.

Due to the movable dilution cascades for dilution up to factor 10,000 the test rig can be adapted shortly from salt aerosols to DEHS aerosols without cleaning effort.

The extensive automatization of the test procedure together with the clearly defined single components and the individually adjustable sequence programs of the filter test software FTControl provide for the high reliability of the measuring results.

The results can be evaluated automatically and presented individually. For an optimal process control, the measuring technology can be integrated into a data processing system.

With more than 80 built and delivered air filter test systems in more than 15 different versions, Palas® is the leading manufacturer worldwide of filter test systems with integrated fractional separation efficiency measurement. The modularly built complete test systems are adapted to the requirements of the individual customer. The test conditions vary from very low particle concentrations in HEPA filter testing to very high particle concentrations in dedusting technology.



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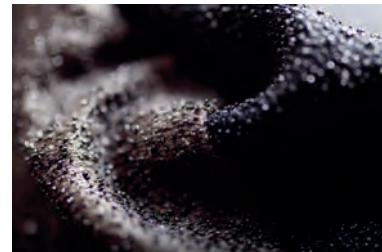
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The **FILTRATION** Society presents **FILTER MEDIA 5**
 New 2 day format
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 12 - 13th October 2011, Chester, UK

Following the success of the last Filter Testing event, Filter Media 5 will also feature a short course the day before the conference. Delegates can opt for either or both days and, together with the exhibition, will receive one of the most comprehensive reviews of the latest developments in filter media in Europe today

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