

## Aerosol separator testing by DMT

DMT has long-standing expertise testing aerosol filters for use in commercial kitchens. Its test laboratory for the aerosol filtration tests is accredited by DAKKS according to DIN 18869 sheet 5 (D-PL 11035-01 -00), and is hence the first laboratory in Germany to fully meet the norm requirements for DIN 18869 accreditation.

Thanks to the appropriate test rigs, we can also perform flame resistance testing in line with the American standard UL1046 or the British standard LPS 1263.

Additionally, DMT can clearly determine the fractional collection efficiency of aerosol separators according to Directive VDI 2052-1.

### Tests for assessing the performance of aerosol separators:

- DIN 18869-5 (prEN 16282-6):  
Flame resistance test (grease free) and the integral separation performance
- UL 1046:  
Flame resistance test (grease-laden)
- VDI 2052-1:  
Determination of the capture efficiency of aerosol separators
- LPS 1263:  
Aerosol separator classification and certification
- DIN 18869-7 (prEN 16282-8):  
Testing of installations for after-treatment of cooking fumes (kitchen exhaust air cleaning systems, for example through UV-C, plasma)

### Additional testing services:

- Sound power level measurement
- Reliability tests for product optimisation
- Determining the efficiency of separators for cooling lubricants and other liquid aerosols
- Odour reduction efficiency measurement.



DIN 18869-5 Test rig: Rear with burner

### Customer benefits:

- Fast and flexible implementation of your testing requirements.
- Proof of the performance and high quality of your products through test certificates from our independent, accredited test laboratory).
- Issuing of certificates and, in cooperation with TÜV Nord, TÜV test marks
- Benefit from the many years of experience of our engineers and technicians.

To keep costs to a minimum, we offer testing within quarterly field campaigns. Please visit [www.dmt.de/en/aerosol-seperator.html](http://www.dmt.de/en/aerosol-seperator.html) to see the next dates.



VDI 2052-1 Determining fractional separating capacity with a DIN EN 1822 test rig



Flame resistance testing in accordance with LPS 1263

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