

[Aerozon Technologie stamp]

[Aerozon Technologie stamp]

Location:

Café Zeitlos
Franklinstrasse 10

10587 Berlin

Certification no.: BLG2-620-9045331
Acceptance test for kitchen exhaust system and expert opinion

Test date 13/5/2004

Test bases Berlin building code in conjunction with other laws, regulations and rules to be applied under construction law

Test scope Function test,
Visual inspection,
Air flow measurements

Test result:

see page 2 to 3, section 0 to 2

Evaluation

The condition and operational safety was tested.
The detected defects - two fire protection flaps had not been correctly cemented in – were rectified in accordance with the company's letter dated 28/5/2004.
At the time of the test, the use of UV-C and ozone technology modules in the kitchen exhaust ensures non-fatty exhaust air, and justifies usage of fire protection flaps in the exhaust air duct.
There are no safety-related concerns about the tested system's functions.
The stipulated maintenance of the fire protection flaps must be carried out, and it is recommended that the system be checked by an expert every two years.

[District 1 Technical Inspection]

The expert

Berlin, 23/6/2004

[signature]
Dipl.-Ing. Hellwich
[Brandenburg State
Expert accredited by the
site supervision
No. 15]

This certification contains 3 pages

Cc: 3x client, 1x record,

We have stored the important building data and your address in order to process the order. Data protection is guaranteed.

0 General

A kitchen exhaust system with rangehood has been installed at Café Zeitlos.

The rangehood has been fitted with a flame-proof fat separator and UV-C and ozone technology modules.

The modules used generate UV-C light and ozone. The radiation also causes photolytic oxidation, i.e. organic components (fats/greases) are split/destroyed.

Bacteria are also killed to eliminate odours. Laboratory tests were conducted on the mode of operation, and a report on the results was provided by KK Laboratoriet, Nyborg.

Instead of the usual L90 sheathing of the kitchen exhaust air duct once it has left the kitchen, fire protection flaps have been used as the fire-safety measures.

The system has been in operation since October 2003.

1. Inspection results

1.1 Exhaust suction

The exhaust air is collected properly. The planned and required airflow has been proven through measurements.

Evaluation: Exhaust air is collected correctly.

1.2 Cleaning the kitchen exhaust

The flame-proof fat separators have been installed correctly.

The two installed UV-C and ozone technology modules have been adapted to the air output.

The UV pipes have a service life of 8,000 operating hours. An operating-hours meter has been stipulated. The fault alert has been activated on the control cabinet.

The visual inspection of the exhaust air duct (on the fire protection flaps and around the cleaning ports) found not fat/grease deposits after an operating time of approx. five months.

Evaluation: The fat separators and the UV-C and ozone technology modules clean any fat from the kitchen exhaust. It can be assumed that the exhaust air contains no fat/grease once it has left the last filter stage.

Note: Regular servicing and maintenance is required.

1.3 Escaping air outlet

The system's escaping air is blown out through the roof. No hazardous areas exist near the outlet. The escaping air outlet is an appropriate distance from the external air inlets.

Evaluation: The escaping air holes have been placed correctly.

1.4 Function test

The function tests conducted on the ventilation system did not detect any defects.

Evaluation: The systems function flawlessly.

2 Fire safety

The systems are designed in such a way that fire-safety partitions between rooms, areas, floors etc. are not negated by ducts and channels. Fire protection flaps are stipulated when external structural components requiring fire-proofing are broken up by ducts and channels.

The fire protection flaps have been tested for installation, function and technical condition.

Evaluation: The fire-safety measures taken are necessary.

Given that the kitchen exhaust has been found to be free of fat/grease, fire protection flaps can be used for fatty exhaust air without the need for a permit. The function test conducted on the fire protection flaps did not find any defects. The defective fitting of two fire protection flaps was rectified in accordance with the letter from BEKAWO GmbH dated 28/5/04, and the flaps have now been fitted correctly.

[Aerozon Technologie stamp]

[Aerozon Technologie stamp]

[Aerozon Technologie stamp]