

**Technical Report No. 713112606/5**

**Rev. 1**

**dated 16<sup>th</sup> June 2020**

Client: GIF ActiveVent GmbH  
Mr. Volker Eckmann  
Brühlstraße 7  
79112 Freiburg  
Germany

Production site: GIF ActiveVent GmbH  
Brühlstraße 7  
79112 Freiburg  
Germany

Monitored object: Product: Aerosol separator of classification F-1 pursuant to DIN EN 16282-6:2020  
Type: Active cassette

Test specification: DIN EN 16282-6:2020  
Section 8.2

Function of survey: Testing of flame penetration

Test result: The test results show that the presented products meet the flame penetration requirements.

The validity of this test report is limited to a maximum of 10 years.  
Reference date is the date of the test report 713112606/5 Rev. 0 dated 25<sup>th</sup> July 2017.

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**1 Description of device**

**1.1. Function**

Declaration of manufacturer regarding the normal use:  
designated position of operation: horizontal

Declaration of manufacturer regarding the reasonably foreseeable misuse:  
not specified

**1.2 Consideration of the foreseeable misuse**

- not applicable
- covered by the specified standard
- covered by the following comment
- covered by the enclosed hazard analysis

**1.3. Technical data**

| Type            | Position of operation | Year of manufacture | Material   | Dimensions (w x h x d in mm) | Air volume (m <sup>3</sup> /h) |
|-----------------|-----------------------|---------------------|------------|------------------------------|--------------------------------|
| Active cassette | Horizontal            | 2017                | CNS 1.4301 | 485 x 75 x 500               | 65-75                          |

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Figure 1

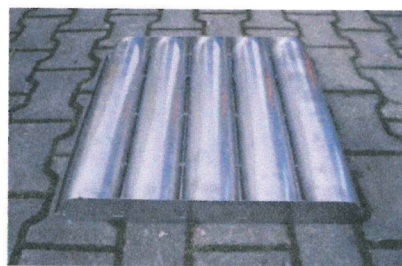


Figure 2

**2 Order**

**2.1 Date of order, sign of client**

10<sup>th</sup> July 2017, Mr. Anton Unterhuber

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## 2.2 Entry of test sample, place

13<sup>th</sup> July 2017, Nicolausstraße 5, D-94447 Plattling (Germany)

## 2.3 Test date

13<sup>th</sup> July 2017

## 2.4 Place of test

The test was carried out on a test bench, the owners of which are members of the "Ventilation systems and fire protection in commercial kitchens" department of the industrial association HKI in Frankfurt. At the time of the test, the test bench was in DE-94447 Plattling, Nicolausstrasse 5

## 2.5 Deviations or exceptions of testing procedure

None

## 3 Test results

The flame penetration test was carried out on two identical test samples.

### 3.1 Positive test results

|   |                             |
|---|-----------------------------|
| Type of filter:                                   | Active cassette             |
| Designated position of operation:                 | horizontal                  |
| Installation position for the measuring:          | horizontal                  |
| Year of manufacture:                              | 2017                        |
| Material:   | 1.4301                      |
| Air volume flow:                                  | 75 m <sup>3</sup> /h        |
| Dimensions:                                       | 48.5 cm x 7.5 cm x 50 cm    |
| Dimensions of the pass through:                   | 48 cm x 49 cm               |
| Approach velocity:                                | 0.09 m/sec.                 |
| Marking:  | none                        |
| Specific air resistance before flame impingement: | 6.3 Pa (first test sample)  |
| Specific air resistance after flame impingement:  | 8.1 Pa (first test sample)  |
| Specific air resistance before flame impingement: | 6.7 Pa (second test sample) |
| Specific air resistance after flame impingement:  | 8.3 Pa (second test sample) |

**Result:**

There were no flames detectable behind the separator within the testing period of one minute. The separator stayed intact during the complete testing period.

**3.2 Items that do not match the test specification**

None

**4 Remark**

The validity of this test report is limited to a maximum of 10 years. The reference date is the date of the technical report 713112606/5 Rev. 0 of 25<sup>th</sup> July 2017.

This revision 1 of the technical report was created because the FprEN16282-6:2017 standard was replaced by DIN EN 16282-6:2020. Section 8.2 of this standard was the test specification for the test and is unchanged.

**5 Documentation**

The following documents were provided by the separator manufacturer:

- Dimensioned drawings
- Installation and operating instructions

**6 Summary**

The test results show that the presented products meet the flame penetration requirements.

TÜV SÜD Product Service GmbH  
Test Report reviewed  
[Signature]  
By order  
Dipl.-Ing. Horst Kristen  
PS-CFO-STO-F

TÜV SÜD Product Service GmbH  
Tester  
[Signature]  
By order  
Dipl.-Ing. Frank Feihle  
POS-COM-I-EXS

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I, Robert Avery Grey, sworn German-English translator appointed by the Frankfurt Regional Court, hereby certify that the above translation is accurate and complete.

Frankfurt am Main, Germany, 21<sup>st</sup> August 2020

