DMT Test Certificate

DIN 18869-5:2007-08 (Equipment for commercial kitchens - Components for ventilation - Part 5: Aerosol separators, requirements and testing)

Air Hygiene Testing Laboratory: DMT GmbH & Co. KG, Am Technologiepark 1, D-45307 Essen

General

Report No.: APS2 00 008 18	Test date: 19.01.2018	Receipt of test filters	21.12.2018
Test ordered by: Tecnopress S. p. A. Via Masieres, 5 - Z.I. 33080 San Quirino (PN) Italy	Manufacturer: Tecnopress S. p. A. Via Masieres, 5 - Z.I. 33080 San Quirino (PN) Italy	Tester (P. Pawlinski)	Head of Test Unit: (Schamberg)

Test filter

Model/Type:	Year of manufacture:	Test flow rate [m³/h]:	Filter dimensions (length x width x height): [mm x mm x mm]
Griglia Cappa 50 x 50 Assiemata	2017	540	500 x 500 x 20
Drawing No. of components	**Material:**	**Material surface quality**	**Installation and operating instructions**
306010007	1.4307	BA	"Filtro a labirinto - Applicazione"

Results of flame resistance test

Flame penetration	Height of flame penetration: [mm]	Video file	Classification:	Resulting designation of tested Aerosol separator:
yes	100	filter 1 MOV 01064.mpg filter 2 MOV 01065.mpg	B	Separator DIN 18869-5 E-B

Integrity: Specimens could withstand the flame test safe and sound

Efficiency Measurement not executed

Declaration of aerosol efficiency according instructions of DIN 18869-5

Aerosol:	w_g (mass of oil inside separator):	Total mass of dropwise added maize germ oil:	Average value of aerosol efficiency acc. DIN 18869-5:	Drop back of aerosol to the cooking zone:
-	- [g]	- [g]	- [%]	

Results of differential pressure measurement at different volume flow rates

Test Volume Flow Rate: [50%]	Test Volume Flow Rate: [75%]	Test Volume Flow Rate: [100%]	Test Volume Flow Rate: [125%]	Test Volume Flow Rate: [150%]
Δp @ 270 m³/h n.d.	Δp @ 405 m³/h 15 Pa	Δp @ 540 m³/h 28 Pa	Δp @ 675 m³/h 45 Pa	Δp @ 810 m³/h 59 Pa

Remarks: The results of the aerosol separator performance test are solely valid for tested separator, it`s not permissable to assume these results as typical charteristic values for this type of filter in general. To get informations about the fractional efficiency please follow the instructions for testing aerosol separators acc. VDI 2052 page 1.

Declaration of Conformity With regard to DIN 18869-5, creterion "E" (flame penetration resistance), the Aerosol separator under test has to be classified as Type "B" .

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Accreditation acc. DIN EN ISO/IEC 17025:2005
Test procedure DIN 18869-5 2007-08:
Equipment for commercial kitchens Components for ventiolation - Part 5: Aerosol separators, requirements and testing

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DIN EN ISO 9001 zertifiziert