

ISO 16890-1:2016 - AIR FILTER TEST RESULT SUMMARY

Testing Organization:	fiatec GmbH, Germany, Burgkunstadterstr. 3 , 95336 Mainleus, +49(0)9229 99390
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GENERAL

Report no.:	UAB 190301	Sample no.:	TF1	Date of report:	17.04.2019
Supervisor:	Matthias Eber	Device obtained on:	02.04.2019		
Test requested by:	UAB Ekofiltras	Device obtained from:	UAB Ekofiltras		

DEVICE TESTED

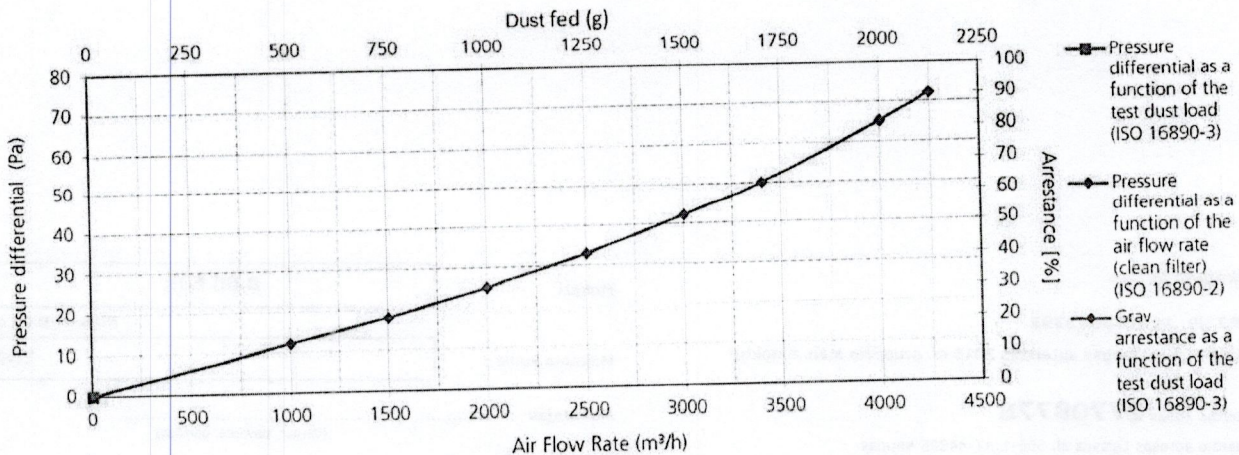
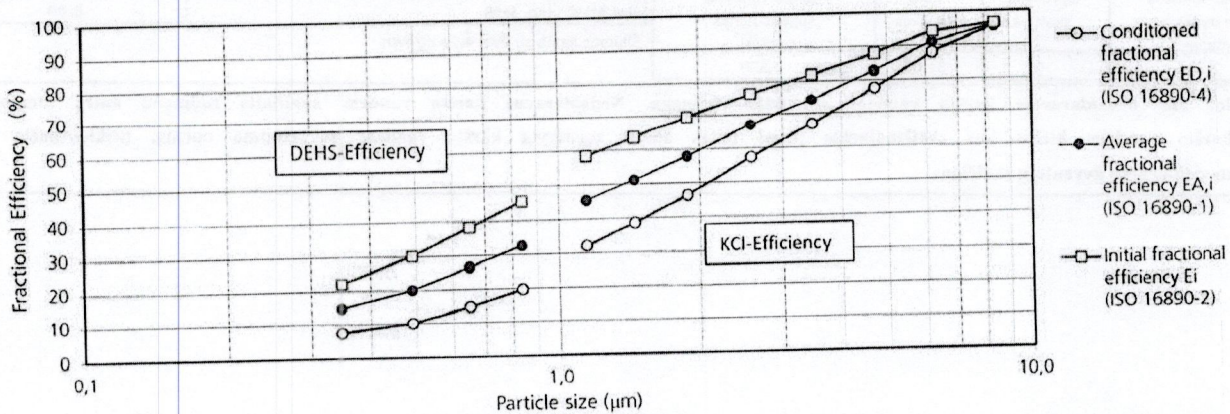
Model:	M5 592x592x630/6	Manufacturer:	UAB Ekofiltras	Construction:	pocket filter with six pockets in metal frame
Type of media / media ID:	synthetic / Synthetic M5	Net effective filtering area [m ²]:	4,4	Filter dimensions (width × height × depth) [mm]:	Customer Data: 592 x 592 x 630 mm Measured Dimension: 592 x 592 x 620 mm

TEST DATA AND ATTACHED TEST REPORTS

Test air flow rate [m ³ /s]:	0,944	Additional information					
Test air flow rate [m ³ /h]:	3400	Test report to ISO 16890-Part 2	Yes	-Part 3	No	-Part 4	Yes

RESULTS

Initial pressure differential [Pa]:	Initial grav. Arrestance [%]:	ePM _{1, m,n} [%]	ePM _{2,5, m,n} [%]	ISO rating	
50	N/A	11,7 ± 1,8	22,2 ± 1,8	ISO ePM 10 65 %	
Final test pressure diff. [Pa]:	Average grav. Arrestance [%]:	ePM ₁ [%]	ePM _{2,5} [%]		ePM ₁₀ [%]
N/A	N/A	21,6 ± 2,1	32,6 ± 2	66,3 ± 1,7	
Test dust capacity [g]:	N/A	Remarks:			



NOTE: The results of this test relate only to the test device in the condition stated herein. The performance results cannot by themselves be quantitatively applied to predict filtration performance in all "real life" environments.

17.04.2019

Date

V. Graupp
Signature

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GENERAL

Report no.:	UAB 190301	Sample no.:	TF2	Date of report:	18.04.2019
Supervisor:	Matthias Eber	Device obtained on:	02.04.2019		
Test requested by:	UAB Ekofiltras	Device obtained from:	UAB Ekofiltras		

DEVICE TESTED

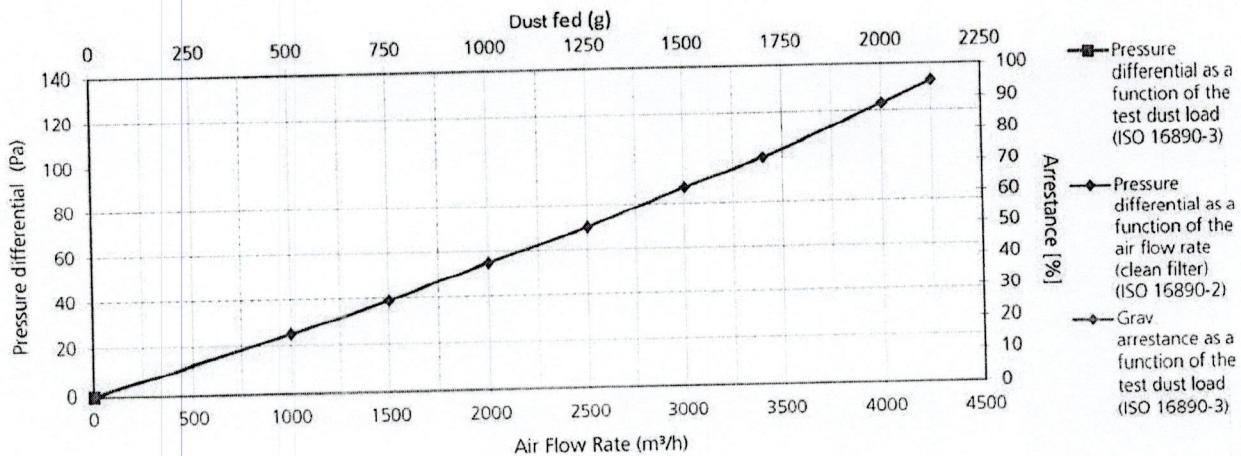
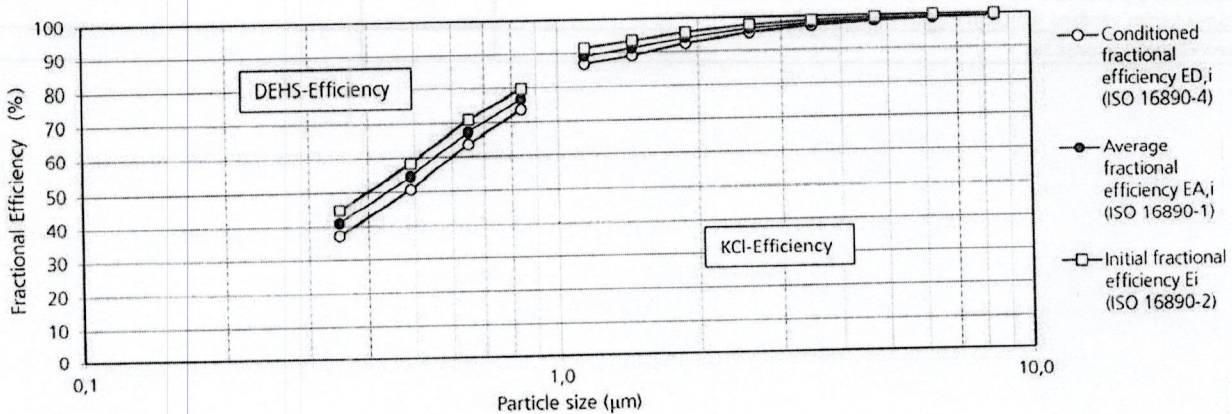
Model:	F7 592x592x630/8	Manufacturer:	UAB Ekofiltras	Construction:	pocket filter with eight pockets in metal frame
Type of media / media ID:	synthetic / Synthetic F7	Net effective filtering area [m ²]:	5,6	Filter dimensions (width x height x depth) [mm]:	Customer Data: 592 x 592 x 630 mm Measured Dimension: 592 x 592 x 620 mm

TEST DATA AND ATTACHED TEST REPORTS

Test air flow rate [m ³ /s]:	0,944	Additional information					
Test air flow rate [m ³ /h]:	3400	Test report to ISO 16890-Part 2	Yes	-Part 3	No	-Part 4	Yes

RESULTS

Initial pressure differential [Pa]:	100	Initial grav. Arrestance [%]:	N/A	ePM _{1, min} [%]	52,4 ± 1	ePM _{2,5, min} [%]	64,7 ± 0,9	ISO rating
Final test pressure diff. [Pa]	N/A	Average grav. Arrestance [%]	N/A	ePM ₁ [%]	56,0 ± 0,9	ePM _{2,5} [%]	67,7 ± 0,7	ISO ePM 1 55 %
Test dust capacity [g]:	N/A	Remarks:						



NOTE: The results of this test relate only to the test device in the condition stated herein. The performance results cannot by themselves be quantitatively applied to predict filtration performance in all "real life" environments.

18.04.2019

Date

V. Grupp

Signature

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ISO 16890-1:2016 - AIR FILTER TEST RESULT SUMMARY

Testing Organization: fiatec GmbH, Germany, Burgkunstadterstr. 3 , 95336 Mainleus, +49(0)9229 99390

GENERAL

Report no.:	UAB 190301	Sample no.:	TF3	Date of report:	17.04.2019
Supervisor:	Matthias Eber	Device obtained on:	02.04.2019		
Test requested by:	UAB Ekofiltras		Device obtained from:	UAB Ekofiltras	

DEVICE TESTED

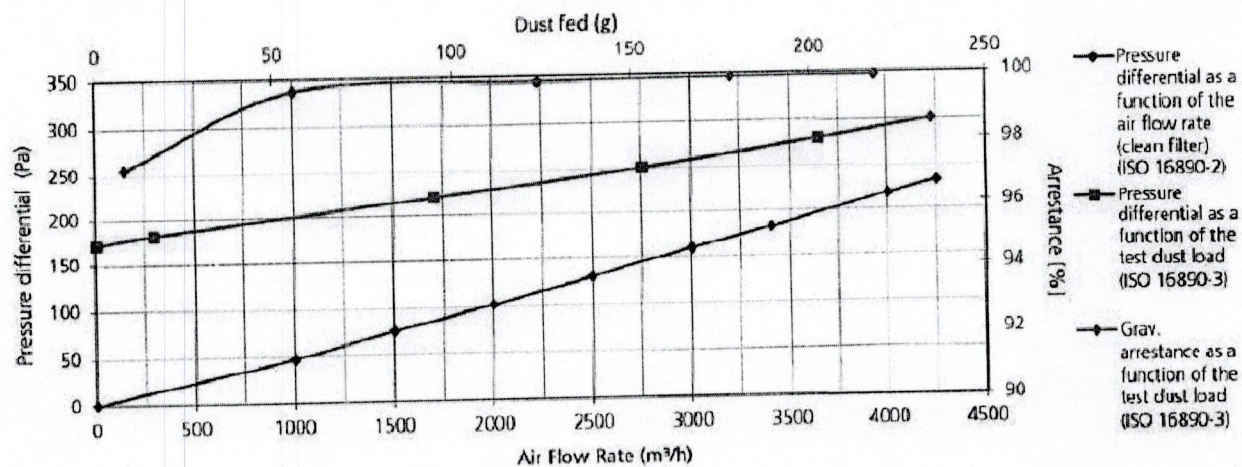
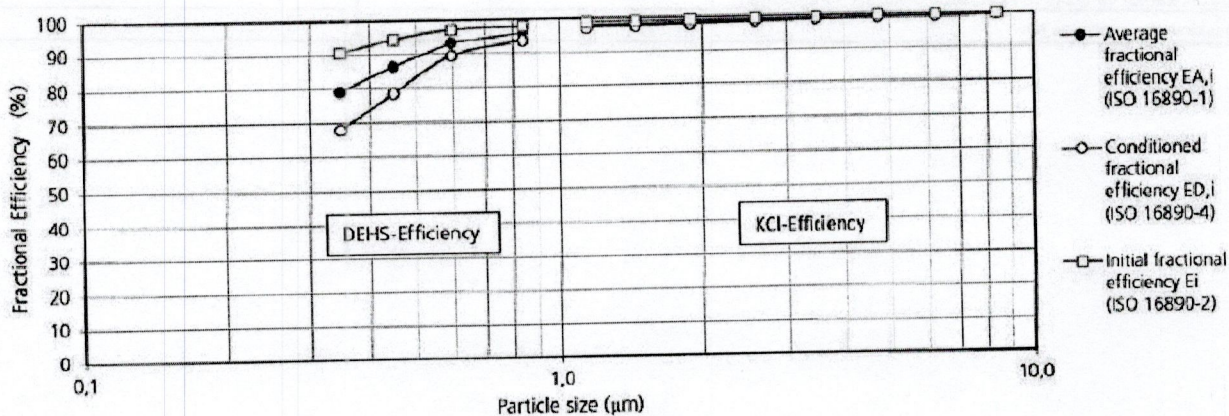
Model:	F9 592x592x630/10	Manufacturer:	UAB Ekofiltras	Construction:	pocket filter with ten pockets in metal frame
Type of media / media ID:	synthetic / Synthetic F9	Net effective filtering area [m ²]:	6,8	Filter dimensions (width x height x depth) [mm]:	Customer Data: 592 x 592 x 630 mm Measured Dimension: 592 x 592 x 620 mm

TEST DATA AND ATTACHED TEST REPORTS

Test air flow rate [m ³ /s]:	0,944	Additional information					
Test air flow rate [m ³ /h]:	3400	Test report to ISO 16890-Part 2	Yes	-Part 3	No	-Part 4	Yes

RESULTS

Initial pressure differential [Pa]:	181	Initial grav. Arrestance [%]:	97,3	ePM _{1, min} [%]	81,1 ± 0,5	ePM _{2,5, min} [%]	86,3 ± 0,4	ISO rating
Final test pressure diff. [Pa]:	300	Average grav. Arrestance [%]:	99,6	ePM ₁ [%]	87,8 ± 0,3	ePM _{2,5} [%]	91,1 ± 0,3	ISO ePM 1
Test dust capacity [g]:	233,6	Remarks:						



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17.04.2019

Date

V. Grupp

Signature

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