ISO 16890-1:2016 - Air Filter Test Results

Testing Organization:
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GENERAL

Report no.: 6P08396C-rev1	Date of tests: 2016-11-22 - 2016-11-24	Date of report: 2017-03-21
Supervisor: CM		Device obtained (when and how obtained):
Test(s) requested by: Scandcenter AB		The device was sent and obtained on 2016-11-22

DEVICE TESTED

Model: 592x592x635 F7/10 T-S		Manufacturer: Scandcenter AB	Construction: Pocket filter, 10 Pockets
Article number: 7106001TS	Type of medium: Synthetic	Net effective filtering area: 7.8 m^2	Filter dimensions (width x height x depth) 592x592x635 mm

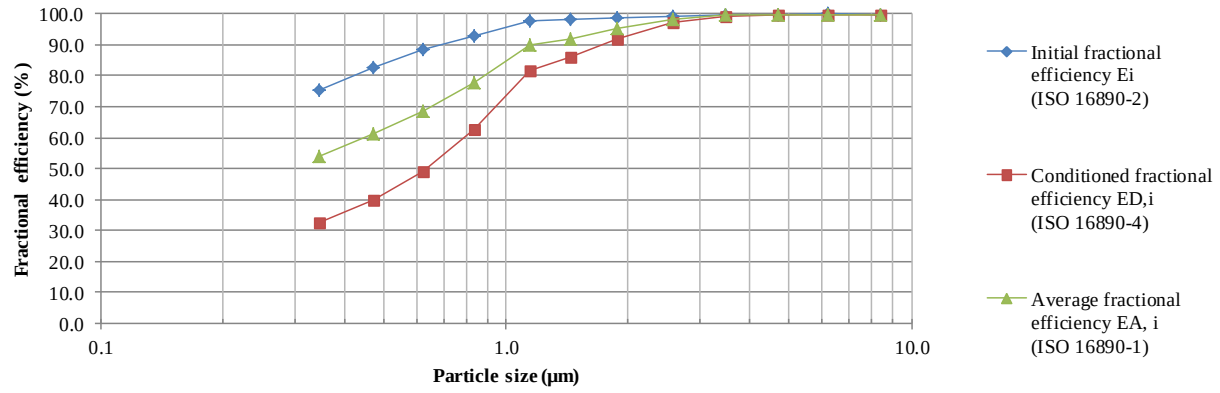
TEST DATA AND ATTACHED TEST REPORTS

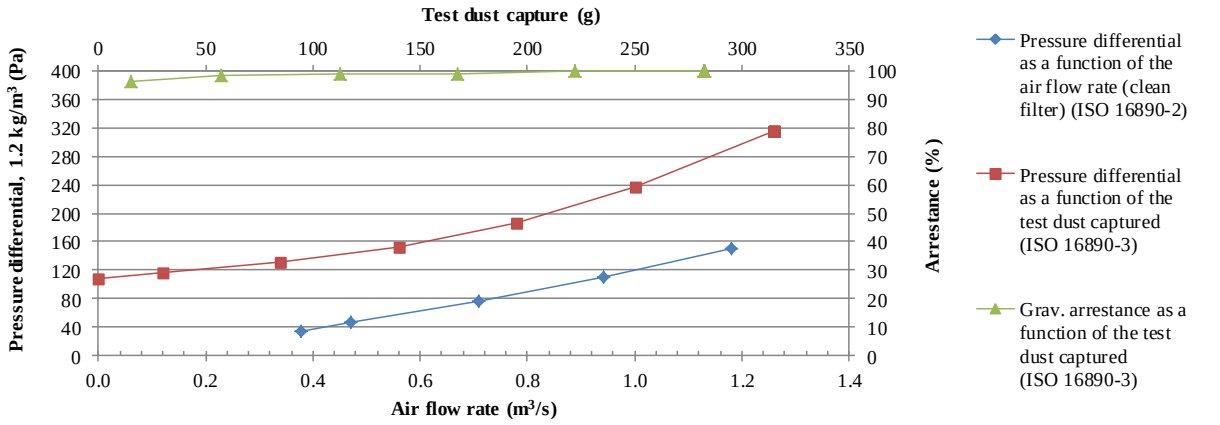
Test air flow rate: 0.944 m^3/s	Test aersole: KCl (1-10 µm) DEHS (0.3-1 µm)	Test report to ISO 16890-2	Report no. 6P08396C-rev1 Appendix 2
		Test report to ISO 16890-3 (optional)	Report no. 6P08396C-rev1 Appendix 3
		Test report to ISO 16890-4	Report no. 6P08396C-rev1 Appendix 4

RESULTS

Initial pressure differential: 111 Pa	Initial grav. arrestance: 96 %	$ePM_{1,min}$ 44 %	$ePM_{2.5,min}$ 58 %		ISO rating **ISO $ePM_{2.5}$ 70 %**
Final test pressure differential: 300 Pa	Test dust capacity: 299 g	ePM_1 64 %	$ePM_{2.5}$ 73 %	ePM_{10} 91 %	

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.