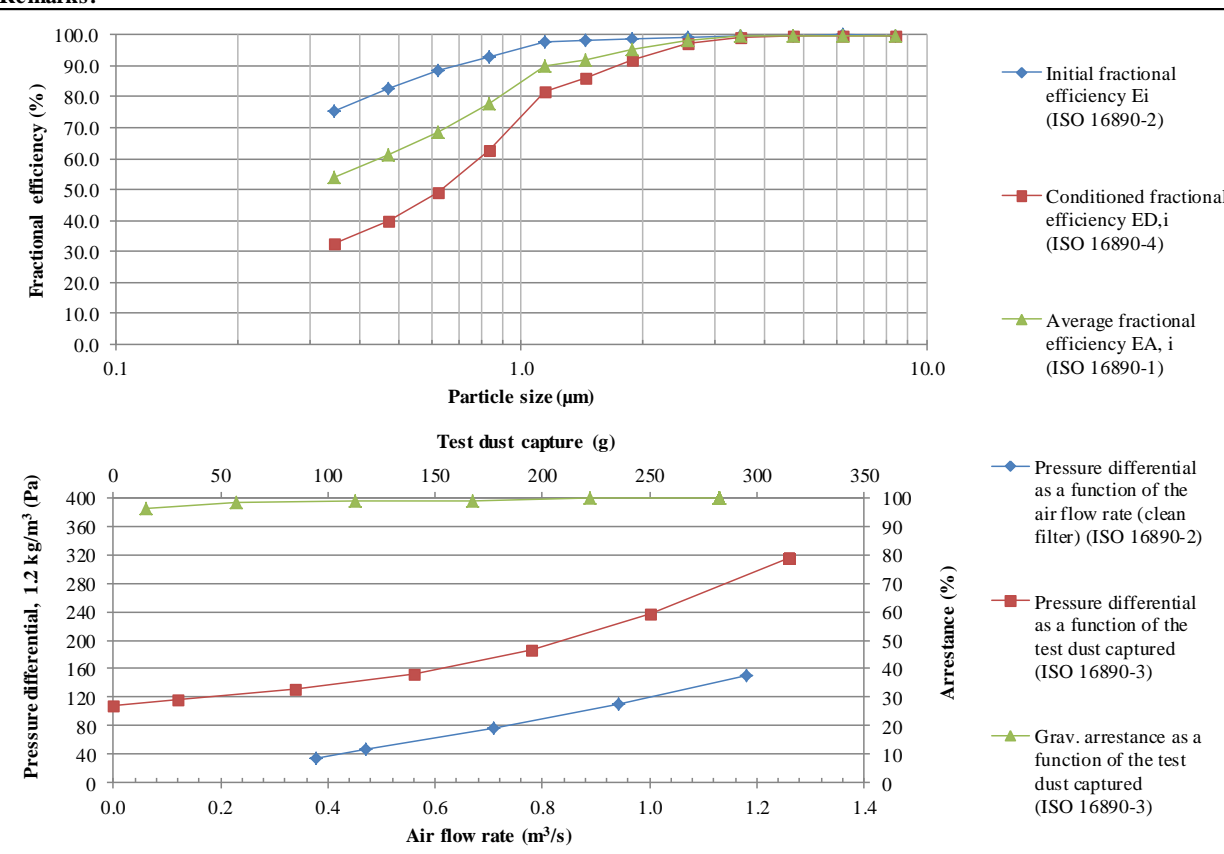


Appendix 1

ISO 16890-1:2016 - Air Filter Test Results				Testing Organization:	
				SP Technical Research Institute of Sweden Brinellgatan 4, 501 15 Borås, Sweden +460105165000	
<b>GENERAL</b>					
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		
<b>DEVICE TESTED</b>					
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 <sup>2</sup>		Filter dimensions (width x height x depth) 592x592x635 mm	
<b>TEST DATA AND ATTACHED TEST REPORTS</b>					
Test air flow rate: 0.944 m <sup>3</sup> /s	Test aerosol: 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	
<b>RESULTS</b>					
Initial pressure differential: 111 Pa		Initial grav. arrestance: 96 %		ePM <sub>1,min</sub> 44 %	ePM <sub>2.5,min</sub> 58 %
Final test pressure differential: 300 Pa		Test dust capacity: 299 g		ePM <sub>1</sub> 64 %	ePM <sub>2.5</sub> 73 % ePM <sub>10</sub> 91 %
					ISO rating <b>ISO ePM<sub>2.5</sub> 70 %</b>
<b>Remarks:</b>					
 <p>The top graph plots Fractional efficiency (%) on the y-axis (0.0 to 100.0) against Particle size (µm) on the x-axis (0.1 to 10.0). It shows three data series: Initial fractional efficiency E<sub>i</sub> (ISO 16890-2) represented by blue diamonds, Conditioned fractional efficiency E<sub>D,i</sub> (ISO 16890-4) represented by red squares, and Average fractional efficiency E<sub>A,i</sub> (ISO 16890-1) represented by green triangles. All series show an increase in efficiency with particle size, reaching 100% at 10 µm.</p> <p>The bottom graph has two y-axes: Pressure differential, 1.2 kg/m<sup>3</sup> (Pa) on the left (0 to 400) and Arrestance (%) on the right (0 to 100). The x-axis is Air flow rate (m<sup>3</sup>/s) from 0.0 to 1.4. It shows three series: Pressure differential as a function of air flow rate (clean filter) (ISO 16890-2) in blue diamonds, Pressure differential as a function of test dust captured (ISO 16890-3) in red squares, and Grav. arrestance as a function of test dust captured (ISO 16890-3) in green triangles. The pressure differential increases with air flow rate, while the grav. arrestance remains relatively constant around 96%.</p>					
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.					