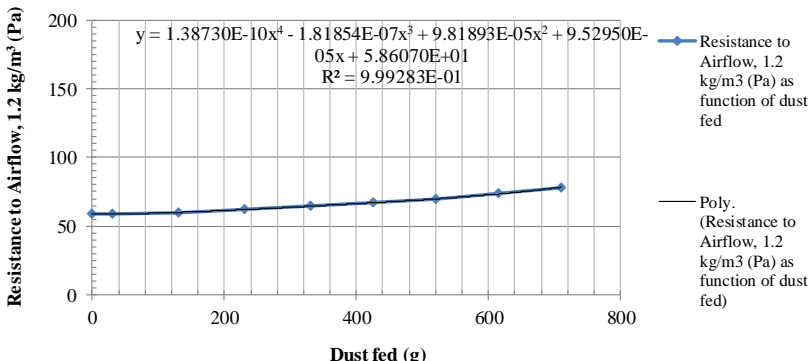


Appendix 7

<b>Energy efficiency evaluation of air filters for general ventilation purposes</b>			<b>Testing Organization:</b> RISE Research Institutes of Sweden AB Brinellgatan 4, 501 15 Borås, Sweden +460105165000		
Test ID: SP201611142		Date of test: 2016-11-16		Operator: UH	
<b>DEVICE TESTED</b>					
Model: 592x592x635 M6/10 T-G		Manufacturer: Scandcenter AB		Construction: Pocket filter	
Article number: 6106001TG		Type of medium: Glass		Net effective filtering area: 7.9 m <sup>2</sup>	
				Filter dimensions (width x height x depth) 592 x 592 x 635 mm	
<b>TEST DATA DETAILS</b>					
<b>i</b>		<b>m<sub>i</sub></b>		<b>Δp<sub>i</sub></b>	
		<b>g</b>		<b>Pa</b>	
0		0.0		58.7	
1		30.0		58.7	
2		130.0		59.7	
3		230.0		62.3	
4		330.0		64.4	
5		425.0		66.9	
6		520.0		69.5	
7		615.0		73.6	
8		710.0		78.3	
				i, number of the dust loading step	
				m <sub>i</sub> , total amount of dust fed to the air filter after the dust loading step i	
				Δp <sub>i</sub> , pressure drop of the air filter after dust loading step i	
Δp <sub>0</sub>		58.7		Pa	
a		1.39E-10		Pa/g <sup>4</sup>	
b		-1.82E-07		Pa/g <sup>3</sup>	
c		9.82E-05		Pa/g <sup>2</sup>	
d		9.53E-05		Pa/g	
M <sub>x</sub>		400		g	
					
<b>RESULTS</b>					
ISO group		PM10		Δp <sub>a</sub> , Average pressure drop	
Amount of dust fed, M <sub>x</sub>		400 g		61.7 Pa	
				Yearly energy consumption	
				699.7 kWh	
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.					