

Appendix 1

ISO 16890-1:2016 - Air Filter Test Results											Testing Organization:					
											Brinellgatan 4, 501 15 Borås, Swedan					
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GENEF				1												
Report no.: 2P07180A-rev1-01 Date of tests: 2020-10-0											Date of report: 2020-12-15					
										,	ained (when and how obtained):					
Test(s) 1			Kalthoff	Luftfilter und	Filtermedia	en G	imbH		The dev	rice was	sent and	obta	ined on 2020-09-24			
DEVIC Model:	ETE	STED				1.4				Ic	onstructio					
Ecopac EM515.000.06					Manufacturer: Filtex AB								Pockets			
Article number:				Type of me	Type of medium:			Net effective filtering area:					ns (width x height x depth)			
-				Synthetic			4.3 m ²				592x592x600 mm					
TEST I)ATA	AND A	ТТАСНЕ	D TEST REI	ORTS											
Test air flow rate: Test aerso						t to ISO 16890-2				Report no. 2P07180A-rev1-01 Appendix						
$0.944 \text{ m}^3/\text{s}$		n^3/s	KCl (1-1) μm)	Test report to ISO 1689					Report no.		2P07180A-rev1-01 Appendix				
		DEHS (0.).3-1 μm)	Test report to ISO 16890			0-4		R	Report no. 2		2P07180A-rev1-01 Appendix			
RESUL																
Initial pressure d				Initial grav.	arrestance:		$ePM_{l,\;min}$	ePM _{2.5, min}		PM _{10, min}		ISO rating				
			Pa	m .	88			6 %	14		58 %)				
Final test pressure differentia			Test dust c			ePM ₁	ePM _{2.5}		ePM ₁₀		ISO ePM 10 55 %					
n 1		300) Pa		118	l g		6 %	14	%	58 %					
Remarl																
	100 -															
	90 -												Initial fractional			
%	80 -												efficiency Ei (ISO 16890-2)			
Fractional efficiency (%)	70 -												(150 10030 2)			
	60 -							- 1								
al et	50 - 40 -											Conditioned fractiona efficiency ED,i				
ion	30 -												(ISO 16890-4)			
ract	20 -						7									
1	10 -					_										
	0 -				-								Average fractional efficiency EA, i			
		0.1								10.						
		Parti cle size (μm)														
					Test	luct	capture (g	.)								
									14	00		Pressure differential				
.2 kg/m³ (Pa)	400 -		200	100	000		4	1000	1200	- 1	100		as a function of the			
/m³	360 -	***									- 90		air flow rate (clean filter) (ISO 16890-2)			
2 kg	320 -								_		- 80	<u> </u>	- / (/			
	280 -									- 70	Arrestance (%)	Pressure differential as a function of the				
ntia	240 -								- 60 - 50	ance						
ere.	200 - 160 -									- 50 - 40	rest	test dust captured (ISO 16890-3)				
difi	120 -									- 30	Arı	(150-10030-3)				
Pressure differential, 1	80 -										- 20		Grav. arrestance as a			
ress	40										- 10	function of the test				
Ь	0 -	 				-					- 0		dust captured			
	0	.0	0.2	0.4	0.6 Air flow		0.8	1.0	1.2	1	.4		(ISO 16890-3)			