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ORIGINAL FILTERS

Why are the Andreae® Filters better than all copies?

AEREM®

TO FILTER & PROTECT

Produced by Aerem
www.aerem.com

Filters sizes & weights

Filter Sizes Comparison

	Starter & Original	Oldest Competitor Filter (brown & white)	Youngest Competitor Filter (brown & white)	Polish Competitor Filter (brown & white)
Height 100 cm :	260 pleats/10 m = 10 m2	To be confirmed	250 pleats / 9.60 m = 9.60 m2	230 pleats / 8.84 m = 8.84 m2
Height 90 cm :	290 pleats / 11.20 m = 10 m2	To be confirmed	280 pleats / 10.80 m = 9.72 m2	253 pleats / 9.77 m = 8.79 m2
Height 75 cm :	350 pleats / 13.50 m = 10 m2	To be confirmed	To be confirmed	300 pleats / 11,57 m = 8.67 m2

Patent recommendation:
26 pleats / meter

Filters sizes & weights

Filter Weights Comparison : White Filters

	andreae ORIGINAL FILTERS AF113 - The original, white, extension limitor	Oldest Competitor	Youngest Competitor	Polish Competitor Filter white, with extension limitor
Height 100 cm :	10,400 Kg for 260 pleats (= 9,200 Kg for 230 pleats)	To be confirmed	To be confirmed	8,40 Kg for 230 pleats
Height 90 cm :	10.402 Kg for 290 pleats	To be confirmed	To be confirmed	8,450 Kg for 253 pleats
Height 75 cm :	10,776 Kg for 350 pleats (=9.24 Kg for 300 pleats)	To be confirmed	To be confirmed	8,35 Kg for 300 pleats

Filter Weights Comparison : Brown Filters

	andreae ORIGINAL FILTERS STARTER & ORIGINAL Brown	Oldest Competitor	Youngest Competitor Filter Brown	Polish Competitor
Height 100 cm :	AF101 : 9,515 kg (260 pleats) (= 9,140 Kg for 250 pleats) AF111 : 10,34 Kg (260 pleats) (= 9,94 Kg for 250 pleats)	To be confirmed	8,910 Kg for 250 pleats	To be confirmed
Height 90 cm :	AF901 : 9,580 kg (290 pleats) (= 9,250 Kg for 280 pleats) AF911 : 10,457 Kg (290 pleats) (= 10,10 Kg for 280 pleats)	To be confirmed	9,166 Kg for 280 pleats	To be confirmed

Front face & holes

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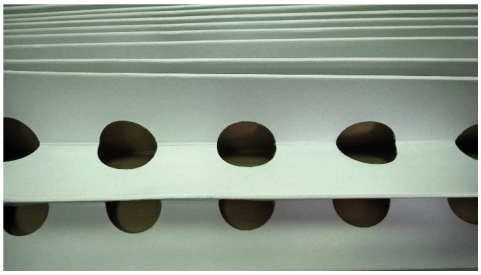

Perfect holes cutting:
The retention pocket is free of any cutting burr to allow air go through properly

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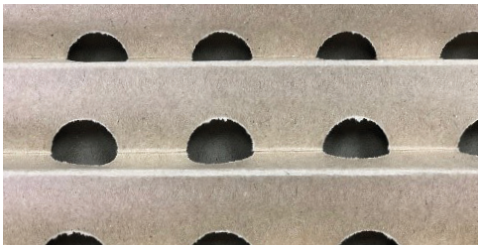
Oldest Competitor

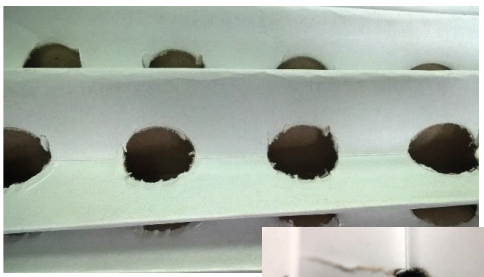
To be Confirmed...

Youngest Competitor



Correct cutting of the holes:
Some very small paper particles remain around the hole

Polish Competitor



Holes is not properly cut :
Holes are bad cut, cutting burr decreases the air quantity and limits the correct circulation of paint & air entry in the filter.

Back holes, positioning & quality of the retention pocket

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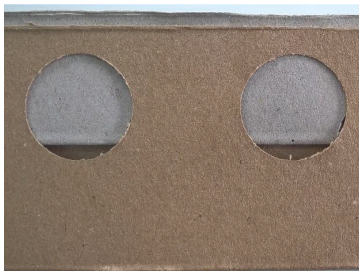


Perfect positioning of holes in the back side of the filter to give more space in the retention pocket to load paint.

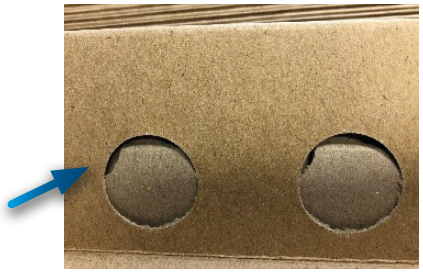
Perfect cover of the front holes with the back layer of the filter to avoid the direct migration of the paint particle through the filter directly.

Perfect holes cutting: Retention pocket is clean of all paper rest.

Oldest Competitor

To be Confirmed...

Youngest Competitor



Bad cover of the front holes with the back layer of the filter, some paint particles cannot be filtered and migrate directly through the filter

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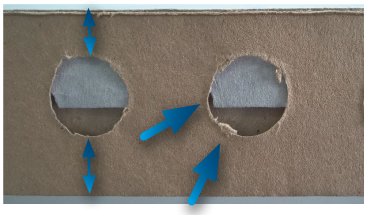
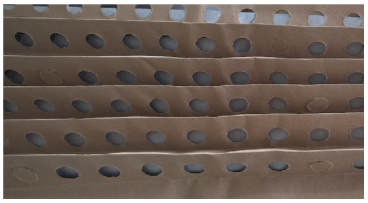
Polish Competitor





Wrong positioning of the back holes: the bad position of the holes does not leave enough space in the retention pocket to load = smaller loading capacity

Wrong cover of the front holes with the back layer of the filter = some paint particles cannot be filtered and migrate directly through the filter

Bad holes cutting: Retention pocket is not clean of paper rests and collapse quicker

Pleats Regularity

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Perfect regularity of the pleats which confers to the filter a high resistance.

Oldest Competitor

To be confirmed...

Youngest Competitor

Bad pleats regularity: the strength of the filter is also made thanks to the regularity of pleats

No regularity = No strength = High risk of collapse

Polish Competitor

Bad pleats regularity: the strength of the filter is also made thanks to the regularity of pleats

No regularity = No strength = High risk of collapse

Global matrix of analysis

WEIGHT & SIZES ANALYSIS (40%)

andreae ORIGINAL FILTERS	Oldest Competitor 	Youngest Competitor 	Polish Competitor 
Biggest filtration area of the market, in conformity with the recommended using. Heavier & high quality paper used	To be confirmed	Filtration area is not 10m2 never exceed 9.60 m2 Lighter paper than AF -4% Filtration Area -3% Weight (for equivalent area)	Lie on filtration area : always less than 10 m2 (8.67 – 8.79 & 8.84 m2) Bad & light paper -12% filtration area -10% paper weight (for equivalent area)
40/40	To be confirmed	30/40	0/40

FRONT FACE & HOLES (10%)

10/10	To be confirmed	8/10	0/10

BACK HOLES, POSITIONING & QUALITY OF THE RETENTION POCKET (40%)

Perfect positioning of back holes = maximum size of retention pocket Perfect cover areas : no paint migration possibility	To be confirmed	Correct positioning of back holes = correct size of retention pocket Wrong covering areas : migration of paint particles	Wrong positioning of back holes = small retention pocket size Wrong covering areas : migration of paint particles
40/40	To be confirmed	20/40	0/40

PLEATS REGULARITY (10%)

10/10	To be confirmed	3/10	3/10

GENERAL TOTAL

100%	To be confirmed	61%	3%

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Make the right choice, now you have all elements!

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