



HIGH EFFICIENCY FILTER

DEFIL

FILTER
ANNING
SYSTEM

MINIPLAAT FILTERS

It is made of mini-folded fiberglass with thermoplastic spacers that help maintain a stable air flow and greater resistance of the filter material.

The construction of the filter is made with fiberglass, the distance between the folds being equidistant, facilitating a stable flow of air. The filtering material is protected on both sides by a mesh.

SPECIFICATIONS	
Composition	Fiberglass
Frame	Galvanized steel
Separators	Hot Melt
Maximum Temperature [°C]	70
Relative humidity resistance [%]	90

HIGH EFFICIENCY FILTER

Clean air is a vital part of our lives, which is why ANDEFIL checked to be sure, with our wide range of products, the correct filtration and purification of the air that we all breathe.

Among them are high-efficiency filters, capable of trapping 99.00% of particles with a size of less than 0.4 microns.

Our high-efficiency filters save energy and help protect people, processes and products from particulate matter (PM). From ePM10 to ePM1, to meet your specific needs, complying with ISO 16890

“We are manufacturers of customized High Efficiency Filters in ANDEFIL”

Our filters are designed, developed and evaluated at our facilities in Seville.

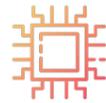
INDUSTRIES WHERE IS COMMONLY USED



HEALTH



FOOD



TECH



SCIENCE



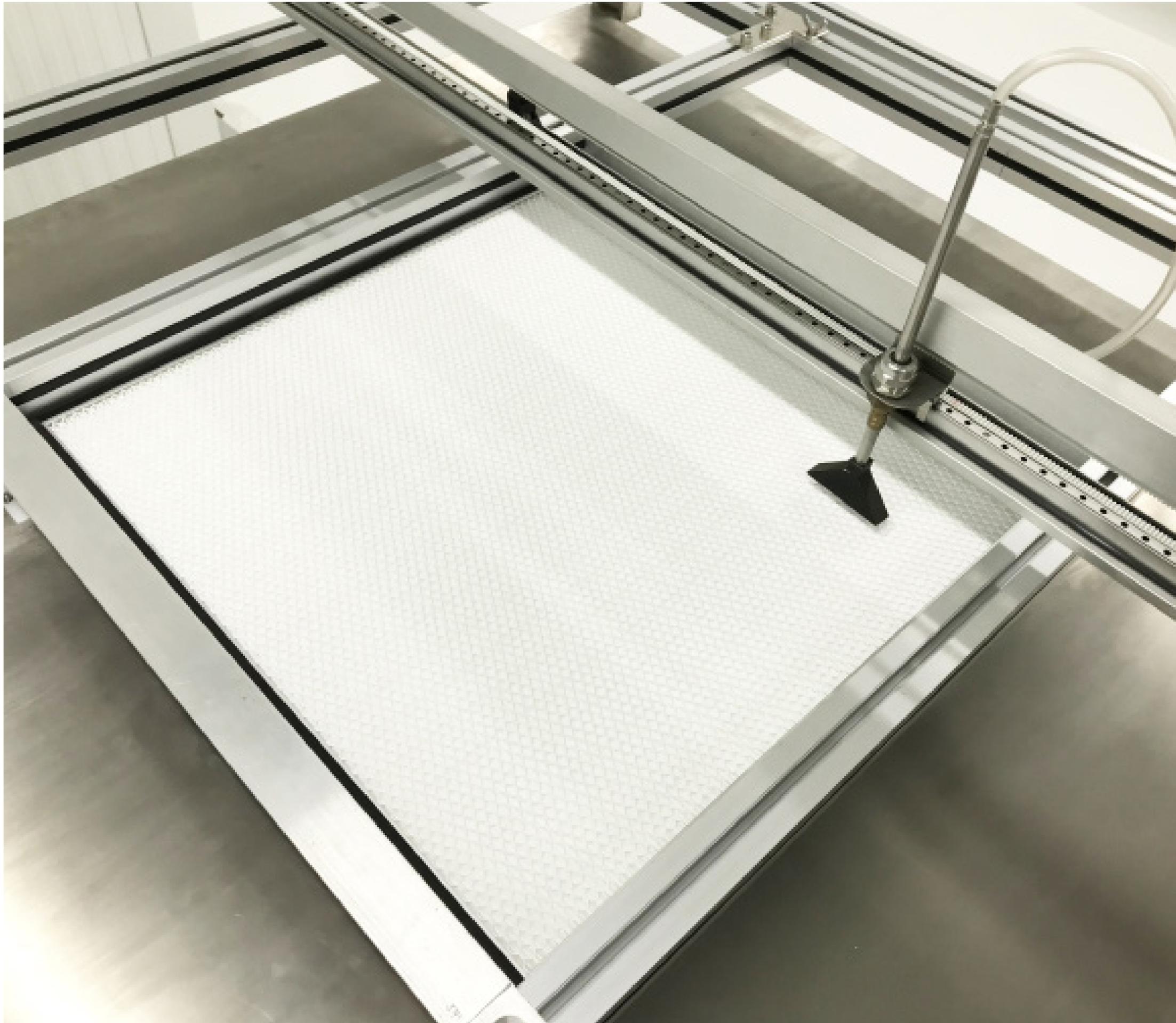
INDUSTRY



PAINT BOOTH

WE ARE SPECIALISTS IN THE MANUFACTURE OF HIGH EFFICIENCY FILTERS





ANDEFIL TEST CENTER

We evaluate and test each of the **HIGH EFFICACY filters that leave our facilities**, to ensure that they meet all the efficiency requirements and do not leak.

The test center, located in the R+D laboratory of the ANDEFIL facilities, it can be used for all stages of filter development being used exclusively for testing product, I mean, the following parameters will be evaluated **according to standard ISO 16890**.

A. MEASUREMENT OF HEAD LOSS.

The pressure loss through the filter must be measured in the unloaded state (pre-test) at the nominal air flow rate using clean air. The air flow must correspond to the nominal air flow with a reproducibility of $\pm 3\%$.

B. SEALING TEST. .

It is used to check the filter for local penetration values that exceed the admissible values. Leaks. It is implemented through **the method of the exploration** (the entire surface of the filter under evaluation is mapped).

C. DETERMINATION OF THE AVERAGE FILTERING EFFICIENCY OF THE FILTERING CELL.

The average efficiency of the tested filter is calculated from the average concentration of the particles behind the filter and the value obtained in front of the filter.

When the air filter is properly tested it should be **classified** to a grade that is between **M6 y F9**. The following table shows the filtration efficiency achieved by your HEPA filter based on its classification.

Class according to EN 779	CLASS ACCORDING TO ISO 16890		
	ISO ePM1	ISO ePM2.5	ISO ePM10
M6	-	> 50%	> 60%
F7	> 50%	> 65%	> 85%
F8	> 65%	> 80%	> 90%
F9	> 80%	> 90%	> 95%



INDIVIDUAL CERTIFICATE

All our High Efficiency filters are endowed with an individual certificate after passing exhaustive quality tests.



CERTIFIED EFFICACY. Your filter will be individually tested and certified to ISO 16890. This certification will help ensure that your sensitive process is as clean and safe as you envisioned. **With the confidence of AENOR.**



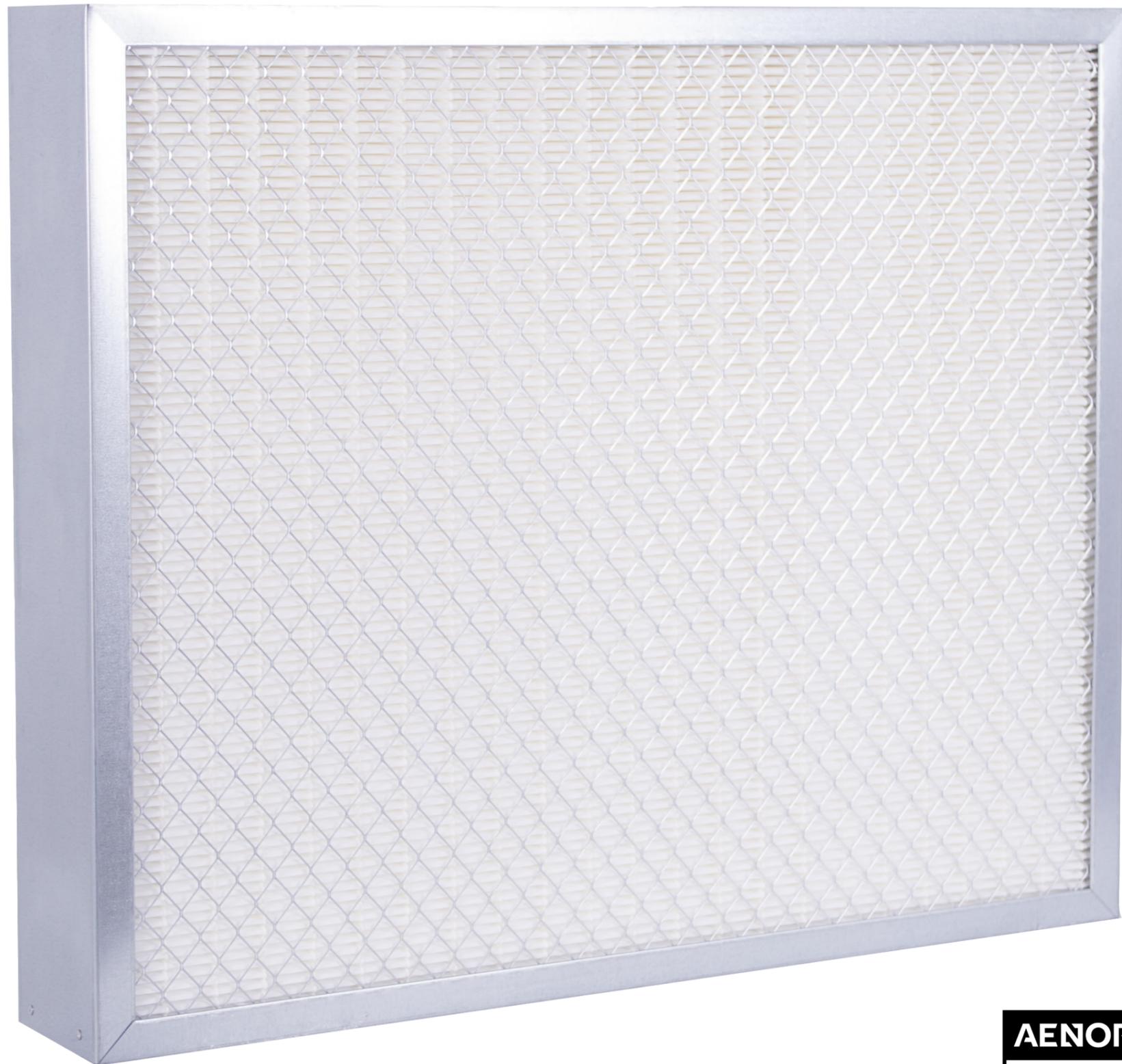
INDIVIDUAL SERIAL NUMBER. As proof of the performance check, the filter is tested individually. This will ensure that your filter is not "Batch Tested" and is fully traceable.



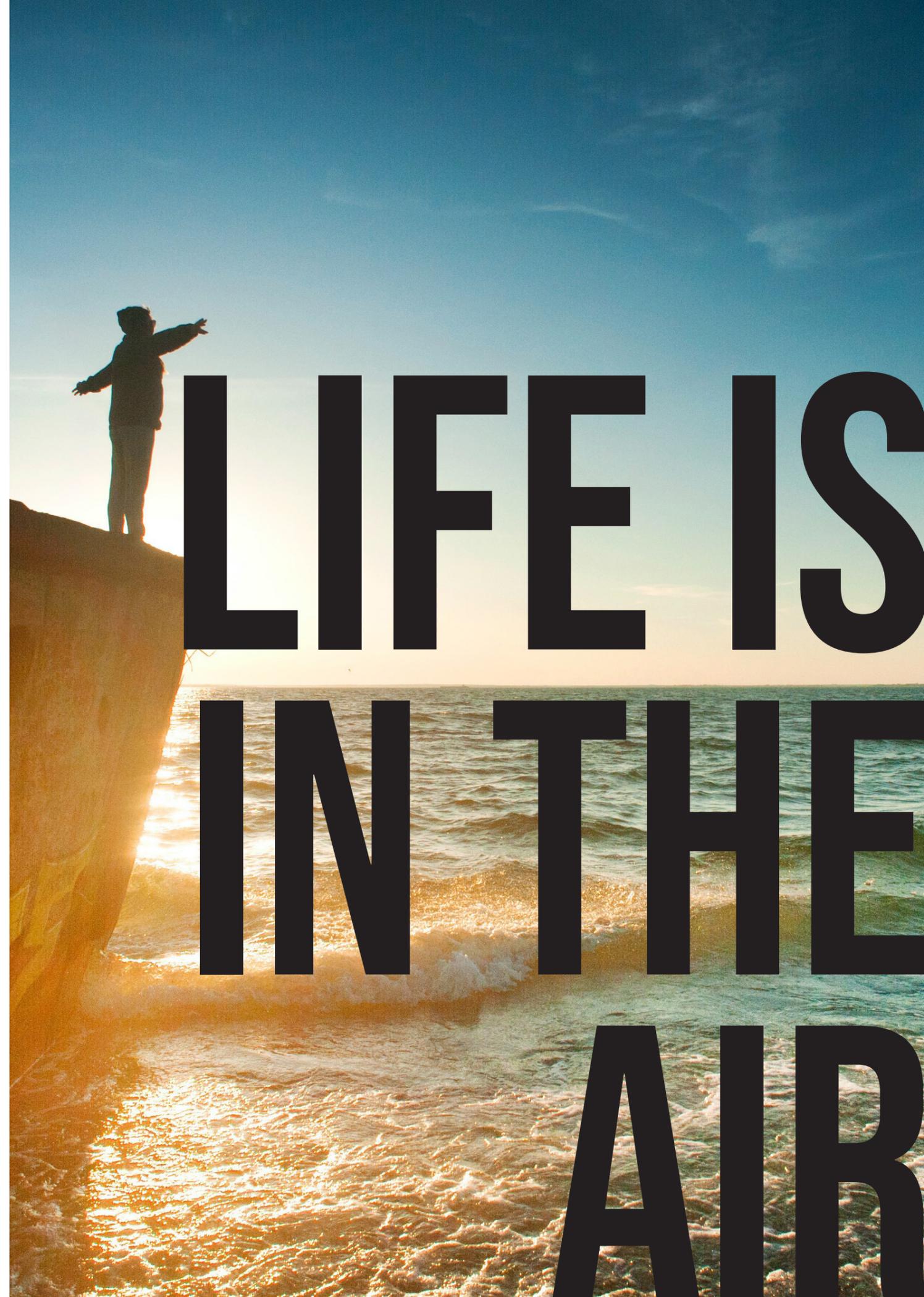
LOW LOAD LOSS. We ensure a low pressure loss of your filter with a slow increase throughout its useful life. We can avoid high energy costs.



LONG USEFUL LIFE. The HEPA filter maintains efficiency and performance throughout its useful life so that your processes are always protected, as well as your ventilation systems.



HIGH EFFICIENCY
FILTER



**LIFE IS
IN THE
AIR**

HIGH EFFICIENCY

FILTER



www.andefil.com