

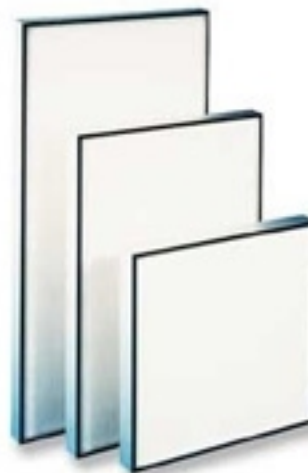
MIDILAM Absolute

Very high efficiency panel with laminator and seal for laminar flow.

The specifications in relation to the controlled atmosphere of industrial installations are becoming increasingly restrictive. Among the most common applications we can mention the following: laminar-flow hoods, white rooms, and surgery rooms.

Uniform air distribution is achieved thanks to a patented protection layer included in MIDILAM filters.

According to the U.S. Environmental Science Institute, mean air velocity in a laminar regime should not be in excess of 0.45 m/s + 0.05 m/s. Our trials show that this standard is fulfilled by only a few filters, including MIDILAM.



Technical Specifications

Frame:	Anodized aluminum
Separators:	Hot-melt
Filtering Medium:	Borosilicate microfibers
Sealing:	Polyurethane
Efficiency:	99.99% MPPS / max. local penetration= 10^{-4} (H14) (99.999% at 3 μ)
Max. temperature:	70°C (158°F) in continuous operation

Main Advantages

- * Protection grid on air inlet side.
- * Fiberglass distribution layer on air outlet.
- * 100% individually controlled through scanning or oil fog.
- * Uniform air distribution.
- * Low initial load loss.
- * Racks made of anodized, unwelded aluminum profile.



Model	Dimensions mm	Filt. Sur m ²	Q: 0,45 m/s m ³ /h	Δp Pa	Weight Kg
3P3	305x305x66	2,4	150	170	1,0
3P6	305x610x66	4,8	300	160	2,0
6P6	610x610x66	9,7	600	155	4,0
7P6	762x610x66	12,1	750	150	5,0
9P6	915x610x66	14,6	900	150	6,0
12P6	1220x610x66	19,5	1200	150	8,0
15P6	1525x610x66	24,5	1500	150	10,0
3P7	305x762x66	6,0	375	150	2,5
9P7	915x762x66	18,3	1125	150	7,5
12P7	1220x762x66	25,5	1500	150	10,0
15P7	1525x762x66	30,6	1875	150	12,5
3P9	305x915x66	7,3	450	150	3,0
9P9	915x915x66	21,9	1350	150	9,0
12P9	1220x915x66	29,4	1800	150	12,0
15P9	1525x915x66	36,9	2250	150	15,0

Filter Classification:

The services of famous “DOP 0.3µm”, described in milstd282 of 1956, no longer satisfy the needs of today's clean rooms.

All CAMFIL very high-efficiency filters now comply with European standard EU 1822, in relation to the Most Penetrating Particle Size (MPPS), whose diameter is between 0.1 and 0.2 µm.

EN 1822 also imposes according to the desired class- leak detection through scanning on all filter points.

Given that each filter is thoroughly tested prior to packaging, CAMFIL's very high efficiency filters guarantee a fully reliable service to users.

EN 1822 Classification

Global MPPS Efficiency (%)	Local MPPS Efficiency (%)	Class EN 1822	
≤ 85	-	H10	H E P A
≤ 95	-	H11	
≤ 99,5	≤ 97,5	H12	
≤ 99,95	≤ 99,75	H13	
≤ 99,995	≤ 99,975	H14	
≤ 99,9995	≤ 99,9975	U15	U L P A
≤ 99,99995	≤ 99,99975	U16	
≤ 99,999995	≤ 99,99999	U17	

