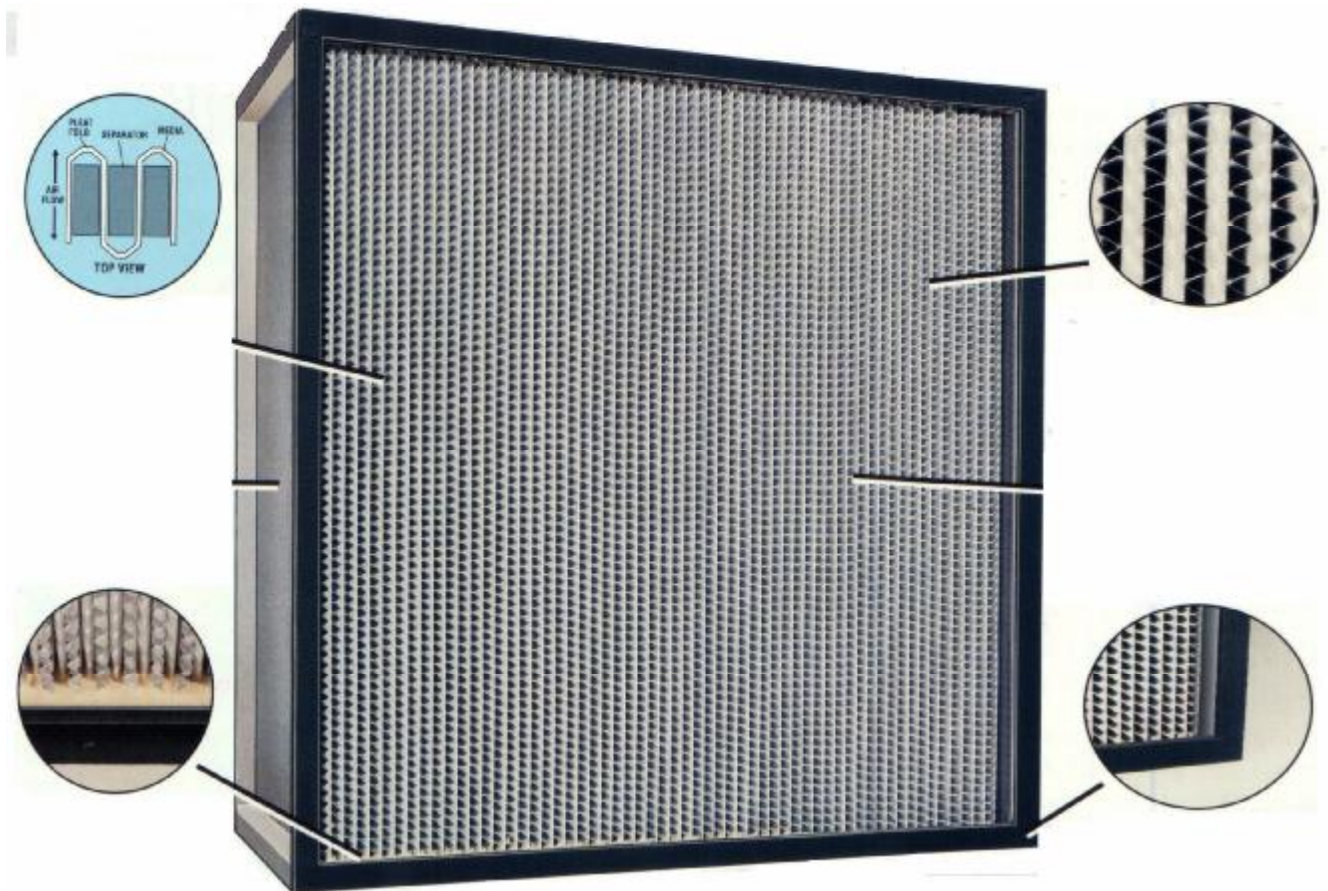


MICROGUARD 99 HEPA-Filter

99.97%, 99.99% or 99.999% efficiency on 0.3 micron particles (DOP)



MICROGUARD 99 Filters are used in a wide range of applications. These include:

- Biotechnology
 - Semi-Conductor Manufacturing
 - Hospitals
 - Nuclear Ventilator Systems
 - Pharmaceutical Manufacturing
 - Food Processing
 - High Sensitivity Film Production
 - High Temperature Sterilization Processes
 - Research Laboratories
 - Industrial Processing Systems
 - Critical Defense Systems
 - Hostile Environmental Conditions
- and many other areas where the need for absolutely clean air exists.

MICROGUARD 99 HEPA Filtration Products

HEPA Filter – 99.97% and 99.99% minimum DOP Efficiency on 0.3 micron particles.

ULPA Filter – 99.999% minimum Efficiency of 0.3 micron particles (0.001% maximum penetration)

Laser Tested Filters, efficiencies of up to 99.9995% on particles as small as 0.12 micron can be measured with this testing method.

Whether through the use of DOP Testing or a Dual Laser Spectrometer, **Microguard 99** Products are delivered with guaranteed efficiency, time after time.

MICROGUARD 99 Filters offer a broad range of component materials to accommodate a wide range of applications. These include:

High Temperature Applications – up to and including 400°C.

Hostile Environmental Conditions – including acid resistant products, and for extreme moisture areas .

Critical Defense Systems – including Space Shuttle and Submarine Technology.

Data sheet



MICROGUARD 99 state of the Art engineering and design to meet all critical application requirements.

Cell Sides – Choose from Fire Retardant Particle Board, Fire Retardant Plywood, Galvanized Steel, Aluminized Steel, Stainless Steel or Aluminium.

Media – Wet laid paper produced from glass microfibres, **Microguard 99** media is waterproof and fire resistant up to 535°C. The continuous media sheet is subject to eleven distinct tests and inspections prior to shipment.

Pleat Design - MICROGUARD 99 Filters utilize a unique score fold design. This channel design increases media surface area and reduces opportunities for media damage during handling and installation.

Faceguards - galvanized 12,5mm x 12,5mm wire or stainless steel wire are furnished on one or both faces of the filter.

Separators – Utilizing hemmed safety edge, these corrugated aluminium separators allow for maximum media utilization. The design minimizes risk of media puncture, adds overall filter pack rigidity and stability, and offers the maximum air flow to move into the filter. Separator materials offered include aluminium, vinyl coated aluminium, and several non-metal styles.

Sealant/Bond – The entire media pack is sealed to the interior of the cell sides. The media pack is potted top and bottom, and the vertical sides are sealed with a variety of adhesives. The **MICROGUARD 99** offers a wide variety of sealant options.

Gaskets – Dove Tail interlocking neoprene rubber gaskets are standard on **MICROGUARD 99**. Gaskets are 19mm x 6mm and are furnished as standard on the air leaving (Downstream) side of the filter. Alternative gaskets include silicone and gel seal.

Standard MICROGUARD 99 series

height x width in mm (Tolerance +0 / -3,2)	depth = 149mm Capacity m ³ /m ² /h at 250Pa			depth = 292mm		
	99,97%	99,99%	99,999%	99,97%	99,99%	99,999%
203 x 203	95	95	75	---	---	---
305 x 305	255	255	199	425	425	330
305 x 610	510	510	400	895	895	700
390 x 492	470	470	365	935	935	730
530 x 530	750	750	585	1450	1450	1130
590 x 590	935	935	730	---	---	---
590 x 1099	1915	1915	1495	---	---	---
594 x 594	970	970	755	1855	1855	1445
610 x 305	510	510	400	895	895	700
610 x 610	1020	1020	800	1790	1790	1400
610 x 762	1275	1275	995	2470	2470	1925
610 x 915	1530	1530	1195	---	---	---
610 x 1220	2095	2095	1635	---	---	---
610 x 1525	2640	2640	2060	---	---	---
610 x 1830	3235	3235	2525	---	---	---
762 x 610	1275	1275	995	---	---	---
762 x 762	1575	1575	1230	---	---	---
762 x 915	1950	1950	1525	---	---	---
762 x 1220	2640	2640	2060	---	---	---
762 x 1525	3360	3360	2620	---	---	---
762 x 1830	4000	4000	3120	---	---	---
915 x 610	1530	1530	1195	---	---	---
915 x 762	1960	1960	1530	---	---	---
915 x 915	2385	2385	1860	---	---	---
915 x 1220	3235	3235	2525	---	---	---
915 x 1525	4000	4000	3120	---	---	---
915 x 1830	4850	4850	3785	---	---	---