

MICROGUARD95 Filter elements

- 95% efficiency on 0,3µm particles (DOP) -
for hospitals, pharmaceutical, food processing, precision manufacturing and high rise construction, . . .



MICROGUARD 95 filter elements deliver particulate free clean air – 95% efficiency on 0,3 micron particles (DOP). They offer the ultimate quality in design, construction and performance. The product successfully removes toxic dust, pathogenic organisms and many other sub-micron particulate to provide a contaminate free working environment.

This filter is ideal for many HVAC systems or other applications where particulate free air is required, but which do not call for the efficiency, cost or air flow restrictions of HEPA or ULPA filtration.

The Microguard 95 filter is designed with a glass fiber filter media and housed in a variety of enclosure frames including fire retardant particle board, galvanized metal and stainless steel.

The use of aluminium separators provides higher filter efficiency through the very high ratio of filter area to face area.

The high efficiency air filter utilizes our unique safety edge aluminium separator design. This feature insures filter pack stability while in operation and protects against any media puncture during handling, installation and operation.

Each MICROGUARD 95 media pack is completely

encapsulated in a specially developed sealant to insure absolutely no leakage around the filter media – no pack to frame leaks are present in this high performance product.

The filter elements are offered with enclosed frames of fire retardant particle board, galvanized steel (either 16 gauge or 24 gauge) and stainless steel. The products are offered in a conventional box style or with single or double header configurations. Virtually any frame work design can be accommodated with Microguard 95.

MICROGUARD 95 elements furnished with gaskets as required (upstream, downstream or side access) and are available with face guards (front, rear or both sides).

- Guaranteed and individually certified, minimum efficiency of 95% on 0.3 micron particles and 99% efficiency on atmospheric dust (ASHRAE Standard 52-76).

- High ratio of filter surface area to face area provides a highly efficient yet compact air filter.

- Delivers 50 fpm face velocity at 0.95"W.G. allowing for use in many air systems and simple conversions of existing applications with no costly framework modifications.

- Schutzvermerk nach ISO 16016 – Protection notice as per ISO 16016 -

Standard MICROGUARD 95 series

Model number	Dimensions in mm H x B x T	Capacity in m ³ /m ² /h				
		50 Pa	100 Pa	165 Pa	240 Pa	340 Pa
LDM-811	203 x 203 x 292	70	135	170	270	340
LDM-1211	305 x 305 x 292	185	365	495	730	935
LDM-1220	305 x 610 x 292	385	775	1070	1545	1990
LDM-1222	610 x 305 x 292	385	775	1070	1545	1990
LDM-1222A	594 x 289 x 292	365	730	1020	1470	1895
LDM-1218	610 x 457 x 292	620	1240	1700	2480	3160
LDM-1219	610 x 508 x 292	680	1360	1870	2720	3475
LDM-1219A	594 x 492 x 292	645	1285	1775	2565	3265
LDM-1219AR	492 x 594 x 292	645	1285	1775	2565	3265
LDM-501	610 x 610 x 292	850	1700	2340	3400	4350
LDM-501A	594 x 594 x 292	810	1615	2210	3230	4115
LDM-502	610 x 762 x 292	1090	2170	2975	4335	5525
LDM-502R	762 x 610 x 292	1090	2170	2975	4335	5525
LDM-800	203 x 203 x 149	60	110	135	215	270
LDM-1201	305 x 305 x 149	100	195	365	560	730
LDM-1202	305 x 610 x 149	300	595	780	1190	1545
LDM-1212	610 x 305 x 149	300	595	780	1190	1545
LDM-1212A	594 x 289 x 149	290	570	740	1130	1470
LDM-1221	601 x 508 x 149	610	1225	1360	2450	2720
LDM-1221A	594 x 492 x 149	595	1165	1290	2330	2585
LDM-1221R	508 x 610 x 149	610	1225	1360	2450	2720
LDM-1221AR	289 x 584 x 149	595	1165	1290	2330	2585
LDM-241	610 x 610 x 149	655	1300	1700	2600	3400
LDM-241A	594 x 594 x 149	610	1225	1615	2450	3215
LDM-242	610 x 762 x 149	825	1650	2175	3300	4320
LDM-802	203 x 203 x 78	25	50	70	100	135

Remarks:

- Model number refers to the standard fire retardant particle board cell size with box style (no header) construction.
 - For cell size of 16 gauge galvanized modular box style construction, add suffix MC (e.g. LDM-811-MC).
 - for cell size of 24 gauge galvanized modular box style construction, add suffix ML (e.g. LDM-811-ML).
 - For cell size of 24 gauge galvanized with perimeter header, add suffix MH (e.g. LDM-811-MH).
- The "H" dimension (height) indicates the direction of the separators.
Microguard 95 filters are recommended for installation with the separators in a vertical position.
- The recommended final change out point for Microguard 95 filter is 500 Pa on 292mm deep units and 400Pa on units less than 292mm of nominal depth.