

SHINKO LFD HEPA



Typical Applications

- Hospitals
- Biomedical
- Pharmaceutical
- Biotechnology
- Genetic Research
- Universities
- Laboratories
- Food processing
- Photo processing
- Semi conductor Fabrication

Filter Data

Filter Media	Water Resistant Micro-Glass Fiber			
Sealant	Polyurethane			
Filter class as per EN1822	H11/E11	H13	H14	U15
Efficiency on 0.3 μ particles	98%	99.99%	99.999%	99.9999%
M.P.P.S Efficiency	95%	99.95%	99.995%	99.9995%
Max. working temperature	60°C	60°C	60°C	60°C
Max. R.Humidity	90%	90%	90%	90%
Initial resistance @ rated flow	0.23" WG	0.36" WG	0.40" WG	0.48" WG
Suggested final pressure drop	1.6" WG	1.6" WG	1.6" WG	1.6" WG
Maximum pressure drop	2" WG	2" WG	2" WG	2.5" WG

FILTER CONSTRUCTION & FEATURES

Filter Media SHINKO HEPA

Filters are manufactured from continuous length superior quality micro glass fiber paper media available in various efficiency grades. The filter media is moisture resistant and fire retardant. Anti-microbial treated papers are also available for special applications. The uniform and closed pleat filter pack grants a high crossing surface to hold the very fine dusts.

Filter Frames

The Mini-Pleat filters construction shall have extruded anodized aluminium profiles. The Mini-Pleat Panel filters are provided an expanded metal mesh face guards on downstream side or on both sides (optional).

Sealant & Gaskets

The pleated media pack is encapsulated into the filter frame utilizing a two part high density fire retardant urethane elastomer. A flat profile neoprene gasket or an one-piece seamless urethane gasket is used to ensure a leak free seal to the filter housing. High temperature versions are manufactured with ceramic sealant and temperature resistant gasket. A gel seal shall be provided to ensure the leak free filtration for laminar flow Mini-Pleat filters as per request.

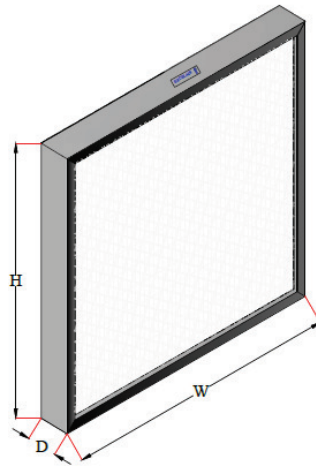
Media Separators

The Mini-Pleat absolute filters SHINKO HEPA LFD consist of closely pleated media, positively spaced using thermosetting beads. This type of pleat separation allows optimum media utilization and offers very low pressure drops.

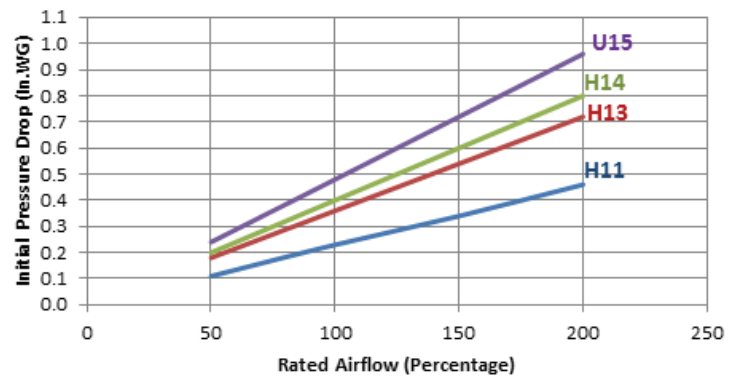
Filter Testing

The finished filters undergo a thorough quality checking. They are scan tested individually to ensure a leak proof performance and each filter possesses the label showing the scan test result on it. We have the testing facilities as per EN1822 and American Standard IEST-RP-CC001.3. Testing of filters can be done according to the customer's request.

SIZE SELECTION



Rated Airflow Vs Initial Resistance



SHINKO HEPA LFD

Filter Size (inches) Wx H x D	Actual Size Wx H x D (mm)	Nominal Air Flow (CFM) @100 fpm Face Velocity			
		98%/H 11 IPD 0.23 "WG	99.99%/H13 IPD 0.36 "WG	99.999%/H14 IPD 0.40 "WG	99.9995% MPPS/U1 5 IPD 0.48 "WG
8x8x3	203x203x75	44	44	44	44
12x12x3	305x305x75	100	100	100	100
12x24x3	305x610x75	200	200	200	200
12x30x3	305x762x75	250	250	250	250
12x36x3	305x915x75	270	270	270	270
18x18x3	457x457x75	225	225	225	225
18x24x3	457x610x75	300	300	300	300
24x24x3	610x610x75	400	400	400	400
30x24x3	762x610x75	500	500	500	500
36x24x3	915x610x75	600	600	600	600
48x24x3	1219x610x75	800	800	800	800
60x24x3	1524x610x75	1000	1000	1000	1000
72x24x3	1829x610x75	1200	1200	1200	1200
30x30x3	762x762x75	625	625	625	625
36x30x3	915x762x75	750	750	750	750
48x30x3	1219x762x75	1000	1000	1000	1000
60x30x3	1524x762x75	1250	1250	1250	1250
72x30x3	1829x762x75	1500	1500	1500	1500
36x36x3	915x915x75	900	900	900	900
48x36x3	1219x915x75	1200	1200	1200	1200
60x36x3	1524x915x75	1500	1500	1500	1500
72x36x3	1829x915x75	1800	1800	1800	1800