



Hardy Filtration

Integrated filtration solutions: air, water & oil

HEPA Filters

HEPA-1000

Description

Hardy Filtration HEPA-1000 HEPA filters are designed to meet the critical filtration requirements where airborne contaminants can cause damage in manufacturing processes or may cause health hazards.

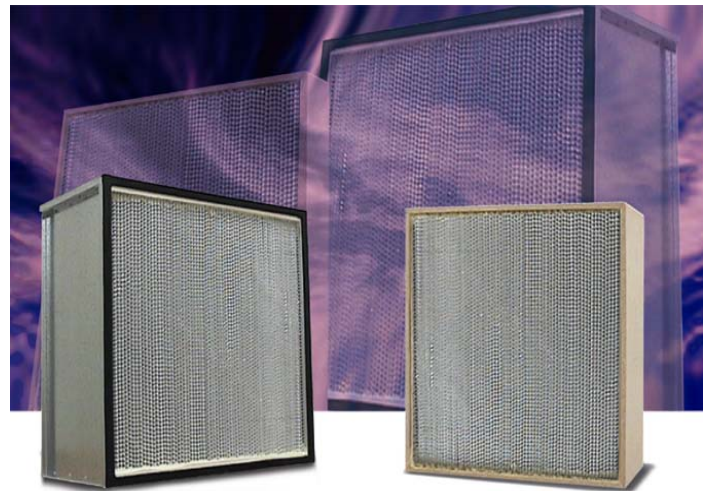
Only materials that meet our stringent quality standards are utilized. All manufacturing steps are closely monitored to insure that every filter will perform as expected.

HEPA-1000 filters are available in a variety of framing materials, which include particle board, galvanized steel, aluminum and stainless steel. The gasket type sealing frames are available in double turned flange (DTF), and single header styles in metal, and box and single header styles in wood. These frames are also available in Gel Seal style. They are available in three flow rates.

HEPA-1000 filters are certified to be a minimum of 99.97% @ 0.3 μm particles and meet the requirements of IEST RP-CC-001.3, type A filters.

Scanned **HEPA-1000** filters are certified to be a minimum of 99.99% @ 0.3 μm particles and meet the requirements of IEST RP-CC-001.3, type C filters.

HEPA-1000 filters are constructed to perform at temperatures up to 220°F (104°C), and at 100%



Some typical applications are:

- Precision Assembly Areas
- Pharmaceutical Plants
- Food and Beverage Processing Plants
- Research Laboratories
- Photographic Plants and Laboratories
- Nuclear Operations

Other applications where it is necessary to:

- Provide dust free air
- Remove pathogenic organisms and mold spores
- Remove radioactive or toxic dusts

Performance

Filter Construction

Standard **HEPA-1000** HEPA filters are constructed with a metal galvanized frame. Styles are available with single inward turned flange, single outward turned flange or double turned flanges. Frame materials also available are fire retardant wood particleboard, plywood, and a variety of metals which include zinc-coated steel, stainless steel and aluminum. All wood frames have rabbited joints for secure seal and ridged construction.

The filter pack consists of a continuous sheet of pleated all glass micro-fiber media. Controlled pleat spacing is maintained by corrugated aluminum separators. The filter pack is secured to the top and bottom of the frame utilizing a two part high density fire retardant urethane adhesive.

The adjacent sides are secured using a self extinguishing rubber based adhesive. A closed cell neoprene gasket is supplied standard on one side.

All **HEPA-1000** filters constructed with metal frames or fire retardant wood particle board meet the requirements of UL-586.

The UL label may be affixed to the filter when requested.

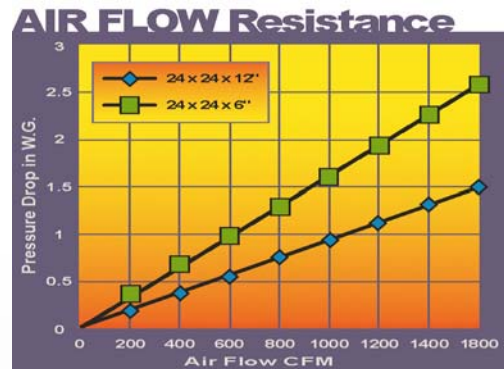
HEPA-1000 filters are constructed to perform at temperature up to 200F and at 100% relative humidity.

Pre-Filtration

It is recommended that, in systems in which the air contains a small number of large particles, prefilters be placed ahead of the **HEPA-1000** filter. This can increase the life greatly depending upon the efficiency of the prefilter.

Standard dimensions

Dimensions	Rated Flow CFM @ 1" W.G.	Approx. Ship Wt. In lbs.
36 x 24 x 5 7/8	55	6
12 x 12 x 5 7/8	145	8
24 x 24 x 5 7/8	625	23
24 x 30 x 5 7/8	800	30
24 x 36 x 5 7/8	950	35
24 x 48 x 5 7/8	1300	46
24 x 60 x 5 7/8	1625	58
24 x 72 x 5 7/8	1950	70
30 x 24 x 5 7/8	800	30
30 x 30 x 5 7/8	1000	38
30 x 36 x 5 7/8	1200	45
30 x 48 x 5 7/8	1675	60
30 x 60 x 5 7/8	2100	75
30 x 72 x 5 7/8	2475	90
36 x 24 x 5 7/8	950	35
36 x 30 x 5 7/8	1200	45
36 x 36 x 5 7/8	1500	54
36 x 48 x 5 7/8	2000	72
36 x 60 x 5 7/8	2500	90
36 x 72 x 5 7/8	3075	108
24 x 12 x 11 1/2	500	25
24 x 24 x 11 1/2	1100	40
24 x 30 x 11 1/2	1375	47



Influence of Prefilter on HEPA-1000 Filter Life

Type of Prefilter	Usual Life
None-----	100%
MAXI-AIR-----	155%
FILTER 65%-----	230%
FILTER 95%-----	460%

Hardy Filtration Inc. reserves the right to make changes without notice.