

NC FILTRATION

AIR FILTRATION PRODUCTS

Features

- 95% & 99.97% (MERV 17) Efficiencies available
- Corrugated aluminum media separators
- Standard (18 pleats/ft.) or High-Capacity (36 pleats/ft.)
- Metal or particle board frames are available
- Sealed Internally with Urethane Sealant 5/8" & 1 1/2" Depths Available in All Sizes



Design

NC Filtration HEPA filters are standardized using 5/8" particle board framing. Each frame is glued and stapled to provide a rigid enclosure for the media pack.

Metal frames fabricated of galvanized steel, aluminum or stainless steel are available for use where corrosion or temperature limits exceed those applicable for particle board frames.

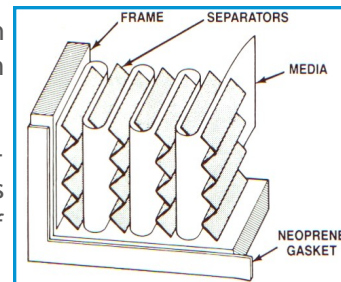
Construction

Media: Each filter is constructed from one continuous sheet of high strength waterproof glass microfiber paper, sealed to the frame on all four edges.

Separators: Media separators are corrugated aluminum. A separator is placed between each pleat of media to prevent the pleats from touching. This allows the air to pass through with minimum of resistance.

Adhesive Sealants: Standard sealants utilized are fire retardant rubber bade adhesive and urethane sealant. These sealants are applied as a fluid and solidifies to provide a positive seal between media pack and frame.

Gaskets: All standard HEPA filters are equipped with a closed cell neoprene gasket. Placement is on the Downstream side of the filter unless otherwise specified. If a gasket is required on both sides of the filter, it must be indicated in the purchase order.



HEPA FILTERS

Pressure Drop

99.97% DOP MERV 17-HEPA FILTERS

Initial Pressure Drop—1.00" w.g.

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
8x8x5 $\frac{5}{8}$	4	50
12x12x5 $\frac{5}{8}$	8	135
12x24x5 $\frac{5}{8}$	12	275
18x18x5 $\frac{5}{8}$	17	310
18x24x5 $\frac{5}{8}$	22	410
24x24x5 $\frac{5}{8}$	23	600
24x30x5 $\frac{5}{8}$	30	750
24x30x5 $\frac{5}{8}$	32	900
24x48x5 $\frac{5}{8}$	35	1230
24x60x5 $\frac{5}{8}$	38	1550
30x72x5 $\frac{5}{8}$	43	1895
30x24x5 $\frac{5}{8}$	30	750
30x30x5 $\frac{5}{8}$	33	925
30x36x5 $\frac{5}{8}$	36	1150
30x48x5 $\frac{5}{8}$	41	1550
30x60x5 $\frac{5}{8}$	45	1960

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
30x72x5 $\frac{5}{8}$	50	2350
36x24x5 $\frac{5}{8}$	32	900
36x30x5 $\frac{5}{8}$	36	1150
36x36x5 $\frac{5}{8}$	40	1380
36x48x5 $\frac{5}{8}$	46	1825
36x60x5 $\frac{5}{8}$	53	2350
36x72x5 $\frac{5}{8}$	60	2850
12x12x11 $\frac{1}{2}$	16	275
12x24x11 $\frac{1}{2}$	25	550
18x24x11 $\frac{1}{2}$	30	800
23 $\frac{3}{8}$ x23 $\frac{3}{8}$ x11 $\frac{1}{2}$	40	1000
24x24x11 $\frac{1}{2}$	40	1100
24x30x11 $\frac{1}{2}$	46	1375
24x36x11 $\frac{1}{2}$	52	1650
24x48x11 $\frac{1}{2}$	61	2150
30x24x11 $\frac{1}{2}$	46	1375

95% DOP—HEPA FILTERS

Initial Pressure Drop—1.00" w.g.

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
8x8x5 $\frac{5}{8}$	4	105
12x12x5 $\frac{5}{8}$	8	280
12x24x5 $\frac{5}{8}$	12	575
23 $\frac{3}{8}$ x23 $\frac{3}{8}$ x11 $\frac{1}{2}$	23	1200
24x24x5 $\frac{5}{8}$	23	1300
24x30x5 $\frac{5}{8}$	30	1625
24x36x5 $\frac{5}{8}$	32	1950

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
24x48x5 $\frac{5}{8}$	35	2600
12x12x11 $\frac{1}{2}$	15	450
12x24x11 $\frac{1}{2}$	25	910
23 $\frac{3}{8}$ x23 $\frac{3}{8}$ x11 $\frac{1}{2}$	40	1850
24x24x11 $\frac{1}{2}$	40	1900
24x30x11 $\frac{1}{2}$	46	2500