

FCP Carbon Pleat

ACTIVATED CARBON ADSORBER FILTERS



- Maximum carbon surface area
- Exceptional adhesion of granules
- Consistent carbon distribution
- Minimizes pressure loss

Options

The FCP Series is available in standard capacity (**200 Series**) and high capacity (**300 Series**) models in 2" and 4" depths.

The filter media has a carbon mass loading of 14 oz. per square yard of material. The FCP Series is composed of three contaminant-specific activated carbon products.

201 or 301 – Removal of VOCs

202 or 302 – Removal of Acid Gases

204 or 304 – Removal of Alkaline Gases

The AAF Flanders FCP Carbon Pleat Filter Series adsorbers are designed for removal of malodorous compounds at low concentration levels. Utilizing the latest technology in fine mesh activated carbon, this product provides high-efficiency removal of nuisance odors.

Product Design

FCP Series filters are pleated activated carbon filled nonwoven media and sealed within a moisture resistant beverage board frame. The uniqueness of the product is the filter media. This polyester media is filled with fine mesh activated carbon throughout. The ultra-pure carbon is thermally bonded to the polyester fibers, providing superior product design.

Performance

The FCP products offer exceptional performance in efficiency and capacity compared with products manufactured from carbon slurry media or carbon/polyester pads. The FCP carbon pleat filter efficiency is at least 30% better than that of a carbon slurry pleat.

The minimum capacity is six times greater, as shown in this table illustrating the differences in overall capacity of three different carbon products.

Product	Capacity to 75% Breakthrough
Carbon Slurry	1.6 grams
FCP 200 Series	25 grams
FCP 300 Series	63 grams

Product Information

Model Number	Nominal Size (inches) (W x H x D)	Actual Size (inches) (W x H x D)	Media Area (sq. ft.)	Rated Flow (CFM)	Initial Resistance (inch w.g.)
FCP201-24242	24 x 24 x 2	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	20	2000	0.55
FCP201-12242	12 x 24 x 2	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	10	1000	0.55
FCP301-24242	24 x 24 x 2	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	20	2000	0.65
FCP301-12242	12 x 24 x 2	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	10	1000	0.65
FCP201-24244	24 x 24 x 4	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	44	2000	0.40
FCP201-12244	12 x 24 x 4	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	21	1000	0.40
FCP301-24244	24 x 24 x 4	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	44	2000	0.50
FCP301-12244	12 x 24 x 4	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	21	1000	0.50

Values shown may be averages or estimates typical of product styles.

