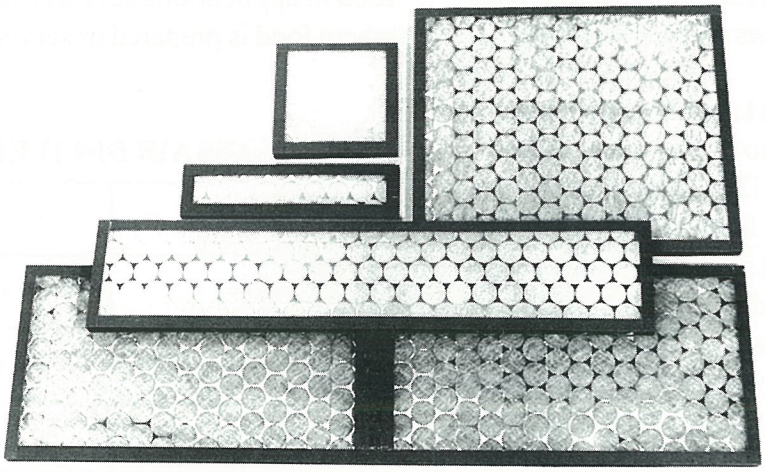
SMITH

FIBERGLASS & POLYESTER AIR FILTERS



A solid throwaway filter made from quality fiberglass or polyester media make the

Fiberglass and Polyester Air Filters

These filters are available in both stock and special sizes and are designed to collect large quantities of dust and dirt. Perfect as a final filter as well as a pre-filter.

SMITH

FILTER CORPORATION

www.smithfilter.com

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FIBERGLASS & POLYESTER AIR FILTER

QUALITY THROWAWAY FILTERS

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CONTRUCTION

FIBERGLASS STOCK - Smith 1" Stock Fiberglass are made with a Fiberglass scrim backing. This allows for safe installation and removal, plus makes discarding of the filter safe and easy. This also allows for a tigher seal to the frame, preventing air bypass. The Monobond frame is heat sealed to the media giving it extra strength. The Stock 2" Fiberglass are made with a conventional box frame, heat sealed with bottlecapping on both sides. The media is loosely woven in the front, catching the larger particles of dust and dirt. The media becomes more dense as the media progresses until the final layer of dense fiberglass, which takes out the fine particles.

FIBERGLASS SPECIALS - Smith Special Fiberglass filters are made to order. They come in 1/2", 1" and 2" thicknesses. The filter is made with a one-piece heavy chipboard frame. Metal backing (bottlecap) is used. Hot melt glue firmly adheres the frame to the metal backing and the fiberglass media. A high quality Fiberglass material is used in the filter, with the same progressive density as the stock filter has, allowing for greater quantities of dust and dirt to be collected. The Fiberglass Filter can withstand temperatures up to 300 degrees F.

POLYESTER STOCK - 1" stock sizes are made from quality polyester material. The same monobond frame is used as in the 1" stock fiberlgass, preventing any chance of air bypass. 2" stock Polyester is made with bottlecap on both sides, surrounded by a heavy chip board frame.

POLYESTER SPECIALS - Made from high quality polyester material, this polyester fiber is bonded together to form an interlocking design, minimizing surface loading plus eliminating fiber breakoff. These filters are made with a heavy, one-piece chipboard frame, held together with hot melt glue. Bottlecapping is used for extra support. The Polyester Filter can withstand temperatures up to 200 degrees F.

Smith Fiberglass and Polyester Air Filters are designed to collect large quantities of dust and dirt from air handling units, furnaces, air conditioners and other air intake units. Each filter is designed with it's own unique characteristics yet each has it's advantages. The fiberglass is designed for depth loading, allowing more dust, dirt, pollen and other foreign objects to collect within the filter. The Fiberglass has a light coal of oil on the material, allowing a greater collection of these contaminents. The polyester is woven material that is used in applications such as hospitals, and institutes where food is prepared or served.

FIBERGLASS AIR DELIVERY CHART

	1" (F/G)	2" (F/G)
*Air Velocity	350 FPM	350 FPM
Initial Pressure	.07" W.G.	.09" W.G.
Final Pressure	.50" W.G.	.50" W.G.
Average Synthetic Dust Weight Arrestance	72%	83.5%
Dust Holding Capacity	55.9 gms/sq.ft.	68.9 gms/sq.ft.

*Filters rated for performance to 500 FPM

POLYESTER AIR DELIVERY CHART

	1" (Polyester)	2" (Polyester)
*Air Velocity	350 FPM	350 FPM
Initial Pressure	.12" W.G.	.15" W.G.
Final Pressure	.50" W.G.	.50" W.G.
Average Synthetic Dust Weight Arrestance	78%	87.6%
Dust Holding Capacity	65.4 gms/sq.ft.	87.5 gms/sq.ft.

*Filters rated for performance to 500 FPM