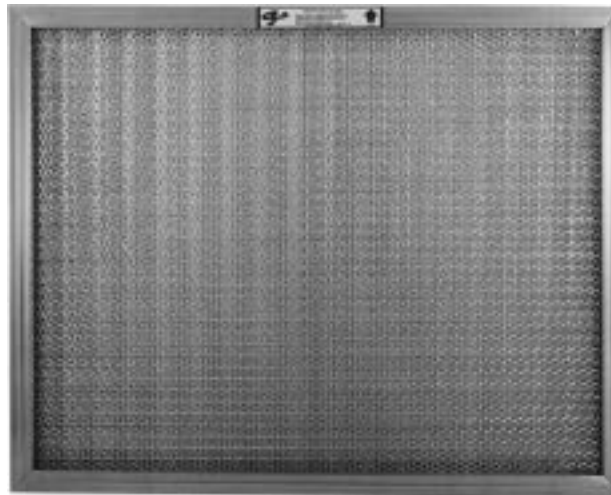


SMITH

FILTER CORPORATION

THRIFT-AIRE

FILTER



Six layers of expanded Aluminum, surrounded by
a medium weight Aluminum frame
make up the:

Smith Thrift-Aire Filter

Designed for air applications such as, light industrial,
commercial, schools, office buildings and homes where
a medium weight permanent filter is recommended.

SMITH

FILTER CORPORATION

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THRIFT-AIRE FILTER

FOR LIGHT WEIGHT AIR HANDLING APPLICATIONS

These unique filtering elements are designed for maximum retention of dust and foreign particles in the air. Six layers of media account for a high retention efficiency and less clogging of the filter itself. Because of the design, the filter has a greater load capacity with a low air resistance. The Smith THRIFT-AIRE is UL Approved for "Air" and has surpassed the Federal Specification ASTM F872 required by all government contracts.

CONSTRUCTION - Filtering element shall be processed from sheet Aluminum, commercially known as 3003-H14, no less than .025 in thickness expanded through no less than .020 feed. The material is expanded in a special pattern of various densities. The filtering element shall consist of not less than six layers of material, and assembled so that each layer shall be at right angles with the proceeding layer. Each filtering element shall be corrugated from 1/4" to 3/8" to provide maximum dust holding capacity. The Smith THRIFT-AIRE Filter shall be framed in a formed aluminum channel, not less than .025 thickness. Corners are mitered and secured at one corner by heavy rivets. Holes shall be punched on one side of the frame to facilitate drainage after cleaning. Handles available upon request at an additional charge.

The Smith THRIFT-AIRE Filter shall retain 290 grams of dust per 2.25 square ft (20x20 filter). Maximum resistance at capacity is 0.335 wg at 350 FPM air velocity.

The Smith THRIFT-AIRE has the same patented media design as the heavier, more costly filters, yet is less expensive. The light weight construction makes removal and cleaning quick and easy. This permanent filter is constructed exclusively from Aluminum, giving it a resistance to rust and corrosion, giving the Smith THRIFT-AIRE filter, a long life expectancy.

The Smith THRIFT-AIRE Filter is a lightweight Aluminum filter, designed to be used in many forced air applications. Some of these include air handling units in office buildings, homes, schools, as well as light industrial. These filter can be used as a mist eliminator as well as a filter in a "light duty" grease application.

AIR DELIVERY DATA CHART

Net Face Velocity F.P.M.	Resistance in Inches of W.G. nominal thickness		C.F.M. Capacity by Size					
	1 Inch	2 Inch	10x20	16x20	16x25	20x20	20x25	24x24
267	.025	.020	282	467	597	600	768	897
356	.040	.038	376	623	796	800	1024	1197
445	.067	.060	469	779	995	1000	1279	1496
533	.100	.090	562	933	1192	1200	1532	1791
622	.142	.129	656	1089	1391	1400	1788	2091
711	---	.169	750	1244	1590	1600	2044	2390
800	---	.218	844	1400	1789	1800	2300	2689
889	---	---	938	1556	1988	2000	2556	2988
978	---	---	1032	1712	2187	2200	2812	3287

STOCK SIZES - There are a wide variety of stock sizes to choose from with the Smith THRIFT-AIRE Filter. As with all Smith permanent filters, the stock sizes are actually 1/2" under the specified size (for example, a 20x20x2 is actually 19 1/2 x 19 1/2 x 1 7/8).

SPECIAL SIZES - Custom sizes are manufactured to fit odd-size applications. In ordering sizes other than those shown in the price book, state exact size required in length, width and thickness. Also available, 3" and 4" thick filters. Special sizes can not be returned for credit.

CLEANABILITY - Because of the lightweight Aluminum design, this filter is one of the easiest filters in its class to clean. It will not rust, pack or flake and can be cleaned many times without losing shape or efficiency. For best results, use either steam or hot water, with or without a mild detergent. Do not soak any aluminum filters in strong alkali. For maximum filtering efficiency, use Smith FILTER SPRAY after washing.

MAXIMUM TEMPERATURE RANGE ON THE THRIFT-AIRE FILTER IS 240 DEGREES F.

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