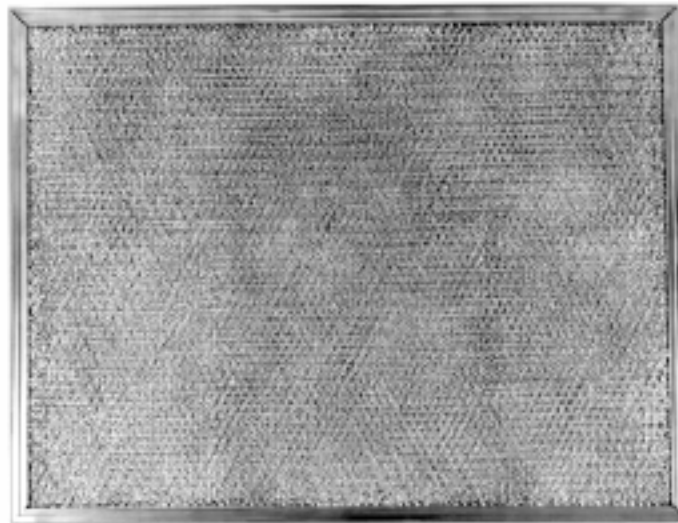


SMITH

FILTER CORPORATION
BONDED “A”
FILTER



A thin Aluminum filter, made with Bonded
Aluminum media makes up the:

Smith Bonded “A” Filter

Available as a rectangular filter as well as a round filter,
it’s available in a wide range of sizes and thicknesses.

SMITH

FILTER CORPORATION

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BONDED "A" FILTER

THE BONDED ALUMINUM FILTER

The SMITH BONDED "A" FILTER is an Aluminum filter with filtering media primarily consisting of layers of aluminum, slip and expanded into mesh of differing densities and with hundreds of baffle-like surfaces. These lightweight Aluminum filters come in both rectangular and circular shapes. The circular filters come in both the Flat and Dome variety.

CONSTRUCTION - Filtering media shall be bonded Aluminum material, made of many layers of baffles, bonded together to create a solid pad. A one piece Aluminum frame shall be made from sheet Aluminum 3003-H16, .025 thickness.

The filter element shall retain 204 grams of dust per 2.25 sq ft (20x20 filter). Holding capacity tests out at 90.8 grams per foot with an average arrestants of 71.5%. Resistance when clean is .04 wg at 350 FPM.

The following circular filters are available:

<u>Stock #</u>	<u>Size/Type</u>
8001	9 1/2" Round/Flat
8002	10 1/2" Round/Flat
8003	11 1/2" Round/Flat
8004	10 1/2" Round w/ 1 1/4" Dome
8005	10 1/2" Round w/ 1 3/4" Dome
8007	10 1/2" Round w/ 3 1/4" Dome

DOUBLES AS AN ATTENUATOR

For sensitive electronic equipment, the filters can provide protection from electromagnetic and radio frequency interference as well as from airborne contaminants. The filtering media doubles as an EMI/RFI attenuator and air cleaner.



The Bonded "A" has many uses. Some of these include a filter for a kitchen hood exhausts, ceiling vent fans, auto air conditioners, bus and truck heaters and central air conditioners. They can also be used in computer environment systems, electronic air cleaners, electronic equipment ventilating "windows", farm cab air conditioners, heating equipment, recirculating systems, range hood fans, room air conditioners and wall heaters.

STOCK FILTERS - With the wide variety of sizes requested, Smith does not carry "stock sizes" in the Bonded "A" filter. Circular and rectangular, domed and flat shapes are common among the sizes made. Filters as narrow as a few inches or as wide as a couple feet are routinely furnished.

(Maximum size: 550 sq inches. Maximum width: 24")

The wide assortment of types, shapes and sizes allow the selection of the Bonded "A" to be a cost effective filter for many air cleaning applications. Some of these include: air conditioning units, as well as cleaning, heating, cooling and ventilating equipment.

CLEANABILITY - The Smith Bonded "A" Filter can be cleaned by washing in a sink with a sprayer. A mild detergent can be used. When impurities less tacky than grease are to be trapped, the filters should be coated with Smith Filter Spray to increase efficiency. The spray allows the baffle surfaces of the mesh to remove and hold more dirt, dust and other impurities from the air. As with all Aluminum filters, a strong alkali solution should not be used to clean the filters.

FITS MATERIAL - The baffle like material found inside the Bonded "A" filter is called FITS which is short for "Fit It To Size". This material is also available in pads and rolls. When ordering material, please specify length, width and depth required. The two depths available in the material are 1/4" and 5/8" thick. Full rolls run 50' in length.

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