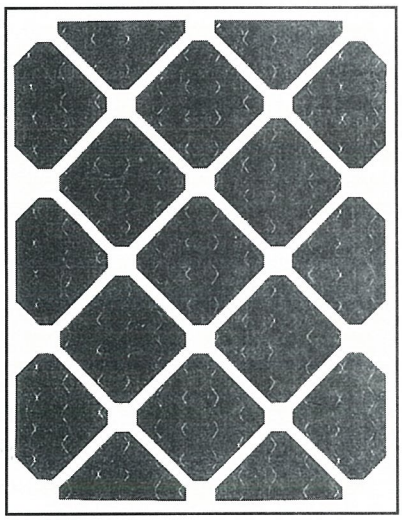
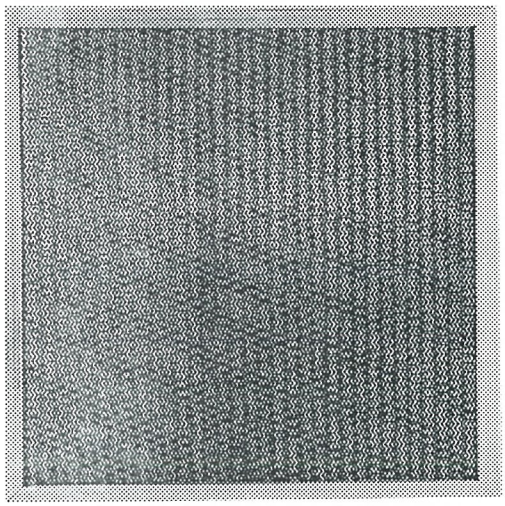
# SMITH

# CHARCOAL FILTER





Activated carbon is an efficient means of odor control and this mineral can be found in the

**Smith Charcoal Filter**

Available in different forms depending upon the application. These include Charcoal Filters, Pads, Pleats and Bulk.


SMITH
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# CHARCOAL FILTERS

ACTIVATED CARBON IS AN EFFICIENT MEANS OF ODOR CONTROL

## METAL CHARCOAL FILTERS

This type of range hood filter collects grease and odors generated from surface units and ranges during all cooking processes, thereby keeping walls, ceilings, drapes and carpets cleaner longer. These filters are also extremely effective in odor removal in electronic air cleaners, furnaces and in other areas where minimum pressure drop is required. Activated carbon filters collect odors, gases and grease that pass through aluminum filters. These filters cannot be cleaned and must be replaced every 6-12 months, depending upon usage.

The 3/8" METAL CHARCOAL Filter consists of a carbon pad, surrounded by two perforated sheets of metal and enclosed in a Galvanized Steel frame. The 1/2", 3/4" and 1" METAL CHARCOAL Filters are called Carbon Trays and have pellets inside, with perforated sheets of metal and a Galvanized Steel frame.

Replacement filters must be measured accurately, since approximately 250 different sizes have been manufactured in the past 20 years. Major users of the ductless range hoods are homes, apartments, condominiums, nursing homes and office buildings. They are UL approved, Class 2. Maximum size is 18" x 30".

## CHARCOAL PADS

Charcoal Pads are made of nonwoven polyester, impregnated with finely ground, activated carbon. This filter pad is ideal for use in nonvented applications such as range hoods, air cleaners and purifiers, room air conditioners, and bath fans. This 1/4" filter pad provides several times the mass transition zone of bulk carbon. Also available in rolls.

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FILTER CORPORATION
Moline, Illinois

## CHARCOAL PLEATED FILTER

An excellent odor controlling component combined with a particulate remover is what the CHARCOAL PLEATED Filter is. First, the pleated material has been impregnated with carbon to control odors from the contaminated air. Second, the pleats have more surface area than a regular flat filter, giving the filter a longer life plus giving it the ability to catch more dust and dirt. This combination makes an excellent filter for both odors and dirt. The media consists of carbon (Coconut shell based) impregnated synthetic media, containing eight grams of carbon per square foot.

Stock CHARCOAL PLEATS come in a wide variety of sizes. The frame is a diecut, rigid, water resistant board with the media attached directly to this frame with a cold glue application.

Special sizes are also available in the CHARCOAL PLEATED Filters. The same charcoal impregnated synthetic media is used, but the frame consists of a heavy chip board frame with bottlecap used to support the pleated material. This filter is held together with hot melt glue.

## BULK CHARCOAL

Activated Carbon, the universal adsorbate, comes in bulk for refilling some charcoal "refillable" filters. Available in pellet form, this charcoal is an excellent grade of coal, which is a superior adsorbent which results from the activation process. This material is recommended for removal of odors and gases in a wide range of applications.

| CHARACTERISTICS | SPECIFICATION |
|---|---|
| Activity Rating | 60% Minimum |
| Apparent Density | .45 gm/ml Minimum |
| Hardness | 95% Minimum |
| Moisture | 2% Maximum |
| Surface Area | 1000 m/gm Minimum |
| Kindling Point | 425-452 degrees C. |