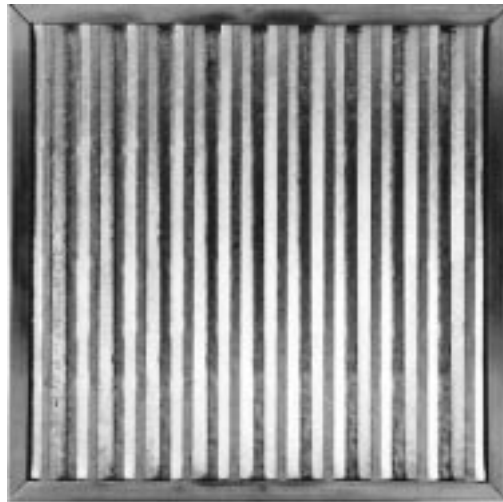


# **SMITH**

**FILTER CORPORATION**

## **THRIFTY FLAME**

### **STOP "G"**



One inch thick Grease Filter, designed from Heavy Galvanized Steel, makes up the

**Smith Thrifty Flame Stop "G" Filter**

An inexpensive way of preventing flames from getting up into the hood.

UL Approved for Grease.

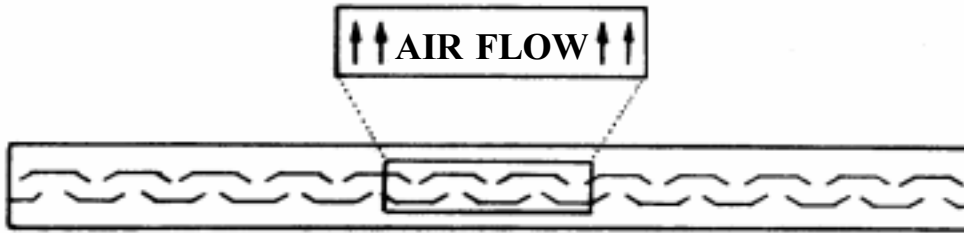
**SMITH**  
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# THRIFTY FLAME STOP “G”

## ONE INCH BAFFLE FILTER



The THRIFTY FLAME STOP FILTER features 2 layers of uniquely formed baffles, secured in a frame. The baffles are arranged to eliminate direct passage of flame or grease through the filter. Grease-laden air is forced to swirl. Accumulation of grease on the baffles is held to an absolute minimum. Drain holes at the bottom of the filter allows rapid runoff to the drain trough.

The THRIFTY FLAME STOP “G” is a 1” thick baffle filter, designed with two layers of baffles to allow for drainage of the grease into a collecting trough below. Because of the Hot Dip Galvanized Steel used and the design of the baffles, grease buildup is eliminated, keeping the possibility of flame penetration to an absolute minimum. Prime quality rust resistant zinc coated Galvanized Steel is used for both utility and beauty.

**CONSTRUCTION** - Made from Hot Dip, 24 Gauge Galvanized Steel, with a spangled finish. The baffles are uniquely designed by a press, giving them the exact distance from one baffle to the next. Each pad of baffles are in one piece, pressed from Galvanized Steel coils into the baffle shape. Two of these pads are put together to make the inside of the THRIFTY FLAME STOP “G”. One piece frame shall be made from 24 gauge Hot Dip G-90 Galvanized Steel, roll formed to give it extra strength and the frame is secured with rivets on one end.

**CLEANABILITY** - The THRIFTY FLAME STOP “G” holds up through numerous cleanings. The baffle design allows for easy cleaning of the baffle filter by either a high pressure washer or a steam cleaner. Drain holes at the corners allow for easy drainage after washing as well as grease drainage. Under extremely high heat conditions, some charring of grease may occur. This can be removed with frequent cleanings or cleaning compounds.

**STOCK SIZES** - The THRIFTY FLAME STOP “G” comes in a wide range of stock sizes. As with all Smith permanent filters, these sizes are nominal (Example, 20x20x1 is actually 19 1/2 x 19 1/2 x 7/8). When ordering, please indicate vertical dimension first. Like all baffle filters, the baffles must run up and down to be effective.

**SPECIAL SIZES** - When ordering custom sizes, please indicate exact size needed, giving the vertical dimension first. Special sized filters can not be returned for credit. Handles optional.

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	.116	---	282	467	597	600	768	897	
356	.146	---	376	623	796	800	1024	1197	
445	.216	---	469	779	995	1000	1279	1496	
533	.313	---	562	933	1192	1200	1532	1791	
622	.426	---	656	1089	1391	1400	1788	2091	
711	.565	---	750	1244	1590	1600	2044	2390	
800	---	---	844	1400	1789	1800	2300	2689	
889	---	---	938	1556	1988	2000	2556	2988	
978	---	---	1032	1712	2187	2200	2812	3287	

**MIST ELIMINATOR** - This filter can also be used as a Mist Eliminator on special applications that have water running over the filter. The unique baffle design works well under these circumstances.

**MAXIMUM TEMPERATURE RANGE ON THE THRIFTY FLAME STOP “G” IS 450 DEGREES F.**