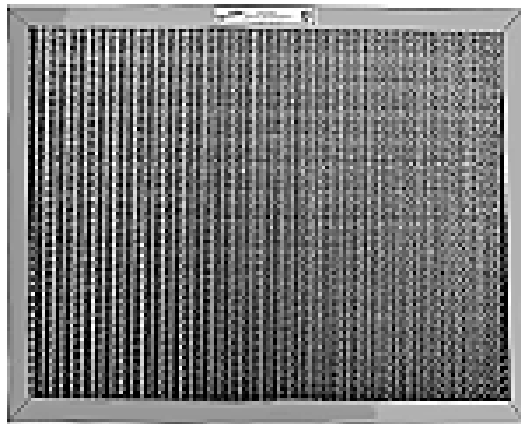




# STEEL METAL MESH FILTER



Heavy Galvanized Steel construction, designed for those special duty applications is the:

Steel Metal Mesh Filter

This unique filter is made from a patented extra heavy media and frame to give it the additional strength needed in many Air and Grease applications.

# STEEL METAL MESH FILTER

WHEN REQUIREMENTS CALL FOR EXTRA PERFORMANCE

The STEEL filter is ideal in rugged applications where an extra heavy duty Galvanized Steel filter is required. With the patented extra-heavy duty media and frame, the Steel Filter can stand up to the majority of commercial applications. Designed to provide deeper dirt and grease penetration, the seven layers of Galvanized mesh create the perfect Air/Grease filter.

**CONSTRUCTION** - Filtering element shall be processed from sheet Galvanized Steel, commercially known as Hot Dip G-90, 28 gauge in thickness, expanded through .032 corrugated steel, expanded through specific feeds to assure maximum filtering and internal loading capabilities. Media is them corrugated to a variety of depths to make up the depth of the Steel Filter. The filter pad will then be encased in a Galvanized Steel frame, made from 24 gauge Hot Dip G-90 Galvanized Steel, and secured at one corner with heavy rivets. Drain holes shall be punched on one side to facilitate drainage after cleaning.

The Steel Filter shall retain 240 grams of grease or 300 grams of dust per 2.25 sq. ft. (20x20 filter). Maximum resistance when clean is .075 wg at 350 FPM air velocity.

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	.057	.030	282	467	597	600	768	897	
356	.100	.057	376	623	796	800	1024	1197	
445	.158	.087	469	779	995	1000	1279	1496	
533	.240	.128	562	933	1192	1200	1532	1791	
622	.340	.190	656	1089	1391	1400	1788	2091	
711	.447	.244	750	1244	1590	1600	2044	2390	
800	.570	.305	844	1400	1789	1800	2300	2689	
889	.700	.379	938	1556	1988	2000	2556	2988	
978	---	.466	1032	1712	2187	2200	2812	3287	

**The STEEL FILTER is ruggedly constructed. It is resistant to rust and corrosion, can withstand extreme heat, is permanent with a long life expectancy and will withstand strong cleaning solutions needed for cleaning extra heavy dirt/grease loads. This filter, with it's unique patented media, allows for deeper grease penetration as well as a greater accumulation of dirt and dust particles.**

This HEAVYWEIGHT Galvanized Steel Filter is designed for use in the majority of commercial applications such as air handling units, industrial machinery as well as Grease hoods (where applicable). The STEEL FILTER is UL Approved for Air only.

**STOCK SIZES** - The STEEL FILTER has a wide range of common sizes in stock, ready for shipment. Stock sizes are nominal, 1/2" under on both the length and width, 1/8" under on the depth. For example: 20x20x2 is actually 19 1/2" x 19 1/2" x 7/8".

**SPECIAL SIZES** - We can custom make all sizes. It is important to specify exact dimensions on special sizes. These filters are made exactly as ordered. Thicknesses also available in 3" and 4".

**HANDLES** - Handles are available upon request at an additional cost. Please specify exact location required. The Handles available are:



**BAILHANDLES**  
stock #1007

**LOCK-TYPE HANDLES**  
stock # 1009

**RIGIDHANDLES**  
stock #1010

**CLEANABILITY** - Made of durable steel, these filters are easily cleaned in a matter of minutes. They can be cleaned with mild soap and water, or by soaking them in whatever solution necessary. Galvanized steel resists corrosion. Drain holes are punched in the bottom, if not otherwise indicated, to allow for proper drainage after cleaning. These holes can also drain grease when applicable.

**MAXIMUM TEMPERATURE RANGE ON THE STEEL METAL MESH FILTER IS 450 DEGREES F.**