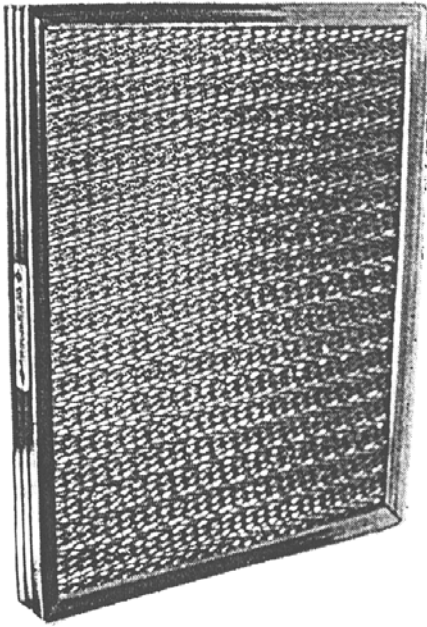


STEEL FILTERS

Perm-A-Steel, Galvanized Steel and Stainless Steel

Multiple layers of expanded steel are what the galvanized and stainless filters are manufactured with. Each Filter contains a heavy frame with drain holes to allow for proper drainage. Steel filters are easily cleaned in a matter of minutes, either through soaking, spraying or in the dishwasher. Because of the steel material, most cleaners are safe to use on these filters.



PERM-A-STEEL

PERM-A-STEEL is a medium weight galvanized filter made with a hot dipped galvanized steel frame. No less than six layers of expanded steel, layered at right angles to each other, make up this pad. This filter element shall be processed from sheet steel, commercially known as hot dip galvanized, no less than .0157 in thickness, expanded through no less than .020 feed. The PERM-A-STEEL filter shall retain 290 grams of dust per 2.25 sq. ft. (20"x20"). Resistance when clean is 0.05 w.g. at 350 FPM. Maximum capacity is 0.335 w.g. Frame shall be made from sheets of hot dip galvanized steel. The maximum temperature range on the PERM-A-STEEL is 425°F. The recommended use for these filters is in the air handling units for commercial buildings, restaurants, schools and office buildings plus light industrial applications.

GALVANIZED STEEL

GALVANIZED STEEL filter is a seven layer mesh filter made from galvanized steel commercially known as Hot Dip G-90. With 28 gauge thickness and expanded through .032 feed. Frame shall be made from 24 gauge Hot Dip G-90 galvanized steel. This heavy steel filter shall retain 300 grams of dust per 2.25 sq. ft. (20"x20") of filter area. Resistance when clean is .075 w.g. at 350 FPM air velocity. Maximum temperature range on the GALVANIZED STEEL filter is 450°F. The filter was designed for industrial use where a heavy steel filter is required.

STAINLESS STEEL

STAINLESS STEEL filter is made from 304 stainless steel throughout. Filtering media shall consist of no less than 7 layers of corrugated stainless steel, expanded through specific feeds to assure maximum filtering and internal loading capabilities. Filter element shall be processed from 304 stainless steel sheets, expanded to .032 strand. Frame shall be made from 304 stainless steel, no less than .024 thickness, joined with stainless steel rivets. This filter shall retain 300 grams of dust per 2.25 sq. ft. (20"x20") of filter area. Resistance when clean is .075 w.g. at 350 fpm air velocity. Maximum temperature range on the STAINLESS STEEL is 900°F.

The STAINLESS STEEL Mesh filter is designed for applications that require the utmost in filtering ability. Stainless steel will withstand extreme heat and corrosive solutions that both aluminum and galvanized filters can't handle. The "Cadillac" of Filters!

AIR DELIVERY DATA CHART-
PERM-A-STEEL

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	.030	.025	282	467	597	600	768	897
356	.051	.040	376	623	796	800	1024	1197
445	.080	.069	469	779	995	1000	1279	1496
533	.125	.091	562	933	1192	1200	1532	1791
622	.180	.143	656	1089	1391	1400	1788	2091
711	.231	.188	750	1244	1590	1600	2044	2390
800	---	.292	844	1400	1789	1800	2300	2689
889	---	.370	938	1556	1988	2000	2556	2988
978	---	---	1032	1712	2187	2200	2812	3287

AIR DELIVERY DATA CHART-
STEEL AND STAINLESS STEEL

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