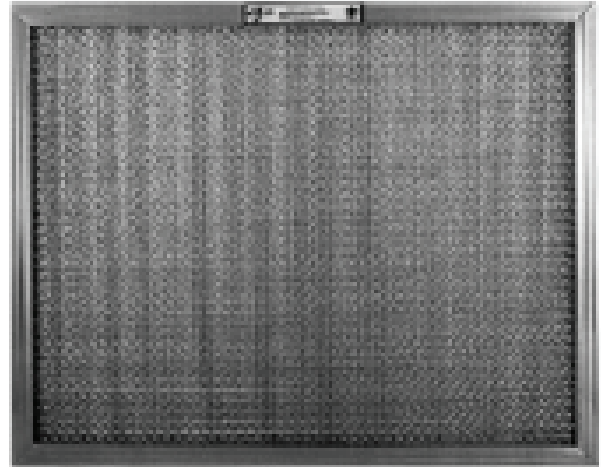


## Lifetime Expanded Permanent Metal Filter

The Lifetime Expanded Permanent Metal Filter consists of seven layers of expanded Aluminum grid, enclosed in a heavy Aluminum Frame. Designed for applications where a sturdy Aluminum filter is required.

Each of the Lifetime Expanded Metal Filters are precision made and thoroughly tested to exceed the test requirement for Federal Specification ASTM F872.

Applications include automatic heating, ventilating and air conditioning systems in schools, hospitals, hotels, commercial and industrial buildings.



### Construction

The frame is formed with an Aluminum Channel, securely connected with heavy rivets. The Filter media consists of no less than 7 layers of Corrugated Aluminum, expanded through specified feeds to assure maximum filtering and internal loading capabilities. These filters will retain 571 grams of dust per 2.25 sq. feet of filter area. The resistance when clean is 0.077 W.G. at 350 FPM air velocity.

### Materials

The filtering element is processed from Aluminum, no less than 0.025 in thickness expanded to 0.31 strand. The frame is also made from Aluminum at 0.040 thickness, joined with aluminum rivets. The maximum temperature range is 250°F. There are drain holes properly located on 1" and 2" filters allow for proper drainage.

Net Face Velocity F.P.M	Resistance in Inches of W.G. Nominal Thickness		C.F.M. Capacity By Size					
	1 Inch	2 Inch	10 x 20	16 x 20	16 x 25	20 x 20	20 x 25	24 x 24
267	0.041	0.032	282	467	597	600	768	897
356	0.072	0.061	376	623	796	800	1024	1197
445	0.120	0.900	469	779	995	1000	1279	1496
533	0.180	0.137	562	933	1192	1200	1532	1791
622	0.256	0.200	656	1089	1391	1400	1788	2091
711	0.329	0.263	750	1244	1590	1600	2044	2390
800	0.410	0.340	844	1400	1789	1800	2300	2689
889	N/A	0.413	938	1556	1988	2000	2556	2988
978	N/A	0.510	1032	1712	2187	2200	2812	3287