

THE GEORGE EVANS CORPORATION

MOLINE, ILLINOIS



Evans Lifelong Air and Grease Filters
All Aluminum . . . Every Part Precision Made



Above photo shows section of precision stamped grid.

FILTER PACK HOLDS MORE GRAMS OF DIRT PER CUBIC INCH.



Strands and grids are scientifically sized and placed for holding maximum dirt load. Filter pack has larger grid openings on air inlet side progressing to smaller grid openings on air outlet side. Prevents face loading and choke-off of air stream. Accomplishes uniform depth loading all through the pack. Every grid, every strand does its part.

TURBULENCE AIR CLEANING ACTION.

Dirt is slammed into the flat strands of mesh where it is caught and held by talon like edges of these grids. Precision stamped openings force air to travel many times filter depth from inlet to outlet side . . . for high efficiency air cleaning.

LOWER AND SLOWER STATIC PRESSURE RISE PER GRAM OF DIRT LOAD.

Filter pack catches and holds dirt without strangling air stream. Filter remains in service longer: (1) without sharp increase in resistance (2) with fewer cleanings (3) with power costs held down.

HIGH VELOCITY APPLICATION . . . UP TO 1,000 FPM.

Using turbulence air cleaning action (instead of screening or straining action) makes Evans filters particularly well suited to extremely high velocity requirements. The higher the velocity . . . the harder dirt is slammed into the mesh where it is caught and held by the talon like edges of the strands. Filter's efficiency rises as velocities rise.

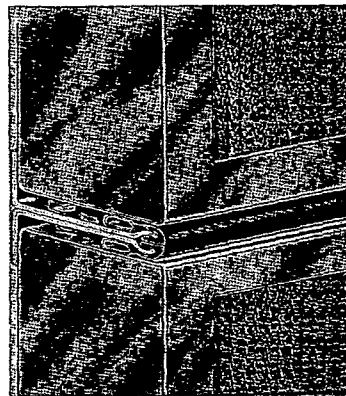
DOUBLE ACTION ADHESIVE.

Works as adhesive while filter is in service. Becomes a detergent and helps wash filter when water is flooded on. **IMPORTANT . . .** When Evans filter fluid is used filters can be washed with tap water.

FILTER CAPACITY CHART—CFM DELIVERY

(Velocity) fpm	Pressure Loss Inches H ₂ O	cfm Delivery							
		Standard Size Filters							
		10 X 20	16 X 20	20 X 20	20 X 25	20 X 30	25 X 30	30 X 30	
365	.044"	315	445	700	894	1085	1383		
345	.054"	280	400	600	760	920	1170		
330	.060"	406	566	800	1000	1200	1500		
435	.077"	450	630	900	1125	1350	1725		
470	.084"	495	685	1000	1250	1500	1875		
510	.112"	540	750	1100	1375	1650	2025		
565	.151"	585	810	1200	1500	1800	2250		
600	.160"	630	870	1300	1625	1950	2425		
645	.180"	675	945	1400	1750	2100	2625		
690	.200"	720	1020	1500	1875	2250	2825		
735	.231"	765	1100	1600	2000	2400	3000		
770	.260"	810	1180	1700	2125	2550	3225		
820	.291"	855	1260	1800	2250	2700	3375		
860	.325"	900	1340	1900	2375	2850	3525		

SEAL TIGHT HOLDING FRAME WITH PVC GASKET GIVES PERMANENT DUST TIGHT SEAL.



Gasket pressure locks filter into frame. No springs, latches or locking attachments. Slide filter into frame. Gasket automatically grips it securely.

Gasket is permanent (Polyvinyl Chloride). Stands up for years against compressive stresses without breaking down. Unaffected by oil or moisture.

HOW TO SPECIFY EVANS SEAL-TIGHT FRAMES.

Filter holding frames shall be heavy gage steel. Polyvinyl chloride gasketed on front of air inlet side. Gasket shall provide both positive grip for holding filter in frame and positive seal between filter and holding frame. Frames shall be double coat finished in black enamel. Frames shall bolt together.

HOW TO SPECIFY EVANS LIFELONG AIR FILTERS.

Filters shall be aluminum. Frame holding media shall be one-piece precision die-pressed heavy gage aluminum with edges rounded. Corners machine fitted. Frame shall have drain holes in 3 corners of frame member. Filter pack shall be made of die-cut flat and corrugated aluminum grids packed with larger openings on inlet side progressing to smaller openings on outlet side.

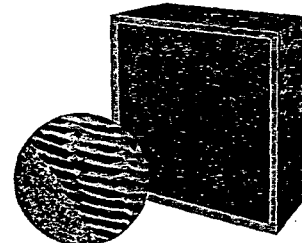
Mine Safety Appliances Company

201 North Braddock Avenue, Pittsburgh 8, Pennsylvania



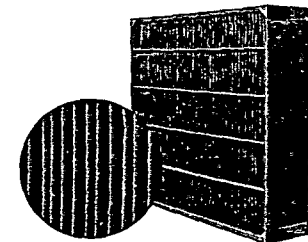
MSA:

Fluid Purification Equipment / Fluid Purification Specialists for 45 years



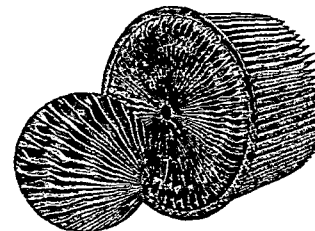
M-S-A® UltraAire® Space Filter

Lightweight, fire-resistant, unusually strong, and ideal for high humidity service. Individually pre-tested and proved at least 99.97% efficient in removing particles of 0.3 micron diameter.



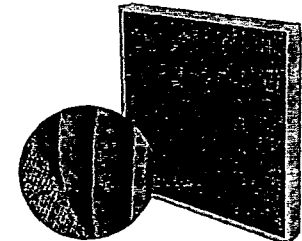
M-S-A® Dustfoe® Space Filter

Offers the efficiency of an Electrostatic Precipitator without the high cost and without the possibility of arcing "blow-off." 85-95% certified efficiency on NBS Atmospheric Air Dust Stain Rating.



M-S-A® Cylindrical-Type UltraAire® Space Filter

Honeycomb-type fold without separators is admirably suited to cylindrical element construction. This shape is preferred for pressure systems and round ducts. Easy to handle. Inexpensive to ship.



M-S-A® Air-O-Kay® PreFilter

Impingement type panel prefilter which can be used oiled or dry to remove lint and other large airborne particles from the atmosphere. 60-70% certified efficiency on NBS Stain Rating.

*Trademark

Write for illustrated technical bulletins on M-S-A Space Filters related to your particular system problem. Ask an MSA Representative for system recommendations. Mine Safety Appliances Company, Pittsburgh 8, Pa., Phone: CHurchill 1-5900.

Other Fluid Purification Equipment includes catalytic filters for jet aircraft cabin air; air separation plants; inert gas generators; space capsules; bomb shelters; air line filters; jet fuel and hydraulic fluid purification.