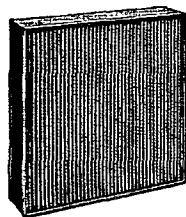
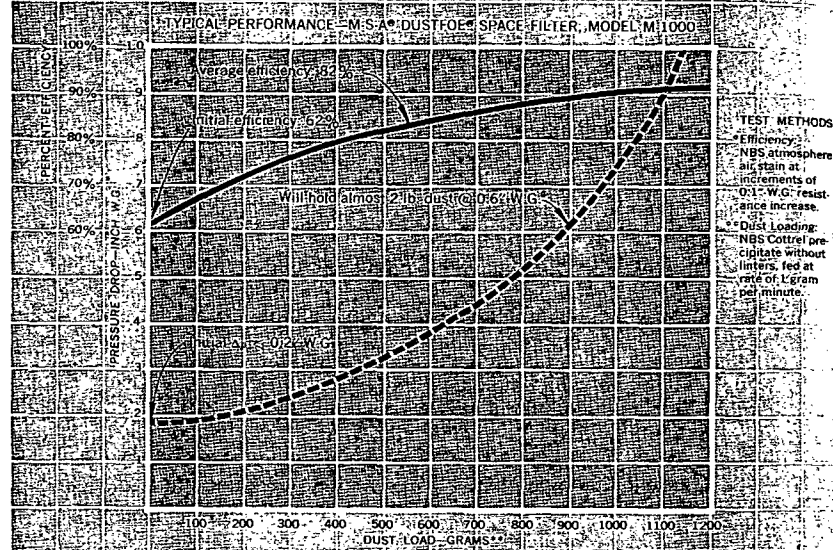


New M-S-A® Dustfoe® Space Filter

lasts six months longer, holds 3 times more dust than previous model



The M-S-A Dustfoe Space Filter is available in either 1000 SCFM models or 2000 SCFM models. Other Dustfoes of higher efficiencies are also available.

Any filter will increase its efficiency with use because of the dust build-up. So how do you get the drop on a really meaningful interpretation of air ventilation filter efficiency? Answer: determine initial efficiency.

MSA does. The percentage figures appear in the graph above. And because we have documented our initial efficiency rating, our average percentage figure is just that much more impressive when compared with other filters.

A true high-efficiency filter

A new specially compounded and textured filter medium provides unusually

low resistance to air flow. And by presenting an irregular or "fuzzy" surface, this filter permits high initial efficiency, with greater retention of dust in one-half the volume occupied by filters using deep bed media.

UL Approval

On the basis of Flame Exposure tests conducted by Underwriters' Laboratories, these filters will be listed as Class I units.

For a detailed presentation of supporting data on the new M-S-A Dustfoe Space Filter, please write for MSA Technical Products Release-1507. Mine Safety Appliances Company, Pittsburgh 8, Pa.

MINE SAFETY APPLIANCES COMPANY
Fluid Purification Specialists

MSA

Monarch Manufacturing Works Inc.

2509 E. Ontario St., Philadelphia 34, Pa.

SPRAY NOZZLES FOR WATER AND OIL

NON-CLOG AIR WASHER NOZZLES

Produce an exceptionally efficient, evenly distributed hollow cone spray. Single large tangential inlet to swirling chamber minimizes any possibility of clogging. Also available in $\frac{3}{8}$ in. to 1 in. pipe sizes inclusive, and of Brass, stainless and Monel.

Water Capacities: Gallons per Hour

Pipe Size and Fig. No.	Orifice	Lead	Operating Pressure: Lb per Square Inch							
			5	10	20	30	40	60	80	100
$\frac{1}{4}$ in. Fig. 629	69	69			2.7	3.3	3.8	4.7	5.4	6.0
	61	61			4.2	5.1	5.9	7.2	8.3	9.2
	61	53	2.7	3.7	5.3	6.5	7.5	9.2	10.5	11.8
	53	53	4.0	5.7	8.2	10.0	11.5	14.1	16.3	18.2
$\frac{1}{2}$ in. Fig. 629	49	49	5.6	7.9	11.1	13.6	15.7	19.3	22.2	24.8
	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	9.6	13.5	19.2	23.4	27.0	33.0	38.4	42.9
	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	12.2	17.3	24.4	29.9	34.6	42.4	49.0	54.9
	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	14.6	20.6	29.1	35.7	41.0	50.4	58.4	65.1
$\frac{3}{4}$ in. Fig. 631	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	15.9	22.5	31.9	39.2	45.1	55.2	63.7	71.5
	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	21.7	30.6	43.2	53.0	61.1	75.0	86.4	98.0

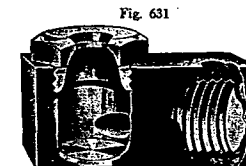


Fig. 631

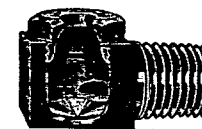


Fig. 629



Fig. F-80

AIR CONDITIONING AND OIL BURNER NOZZLES

Water Capacities: Gallons per Hour

Nozzle No.	Operating Pressure, Lb per Square Inch					Min. Pressure (PSI)
	25	40	60	80	100	
1.35		.57	.70	.81	.90	40
1.65		.75	.92	1.06	1.18	40
2.00		.94	1.14	1.32	1.49	35
2.50		1.13	1.39	1.60	1.80	30
3.00	1.00	1.27	1.55	1.79	2.00	25
3.50	1.30	1.64	2.01	2.32	2.60	25
4.00	1.50	1.90	2.33	2.69	3.00	20
4.50	1.90	2.40	2.94	3.40	3.80	20
5.00	2.20	2.78	3.41	3.94	4.40	20
5.50	2.40	3.04	3.72	4.30	4.80	15
6.00	2.60	3.28	4.03	4.66	5.30	15
7.00	3.00	3.80	4.65	5.37	6.00	15

Produce very effective breakup with direct pressure only. Capacities above are on water. "Nozzle No." is capacity on 34 second Saybolt viscosity oil at 100 lb pressure. Larger sizes up to 100.00 gph and smaller sizes down to 0.40 gph, on oil.

Furnished of all Brass for Water—Stainless Steel tip and disc for Oil. Standard with $\frac{1}{8}$ in. or $\frac{1}{4}$ in. female or $\frac{1}{4}$ in. male pipe Brass adapter and Monel gauze strainer.

SPRAY POND NOZZLES

For recooling condenser water, etc. Operate on pressures from 5 lb upward. Made of Cast Red Brass and in pipe sizes $\frac{3}{4}$ in., 1 in., $1\frac{1}{2}$ in., 2 in., $2\frac{1}{2}$ in. and 3 in. Capacities from 4.1 to 134 gpm at 7 lb pressure.

Write for Detailed Catalogs

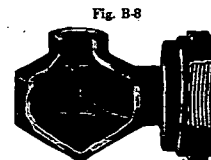


Fig. B-8