THE TRI-MER FAN/SEPARATOR



Tri-Mer[®]Corporation

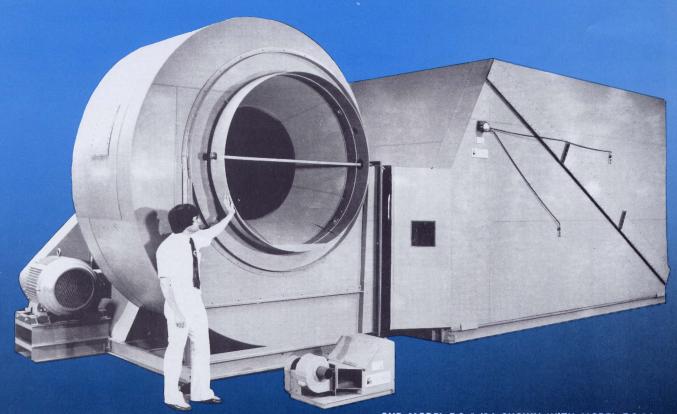
Factory and Main Offices

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www.tri-mer.com

DESIGNERS AND MANUFACTURERS OF AIR POLLUTION CONTROL SYSTEMS





OUR MODEL F-S 1/16 SHOWN WITH MODEL F-S 16

DESIGN FEATURES

OF THE

TRI-MER

FAN/SEPARATOR

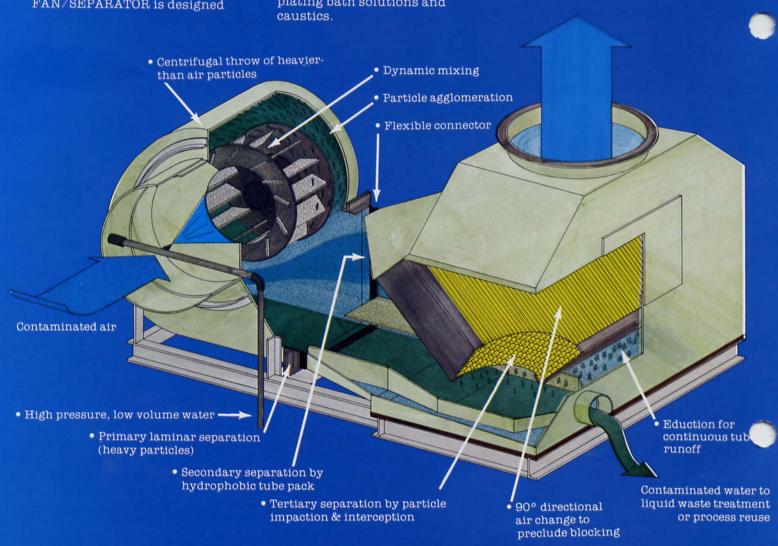
Applications include steel pickling, metal plating, plastic plating, aluminum anodizing, battery forming or charging, as well as dozens of other applications involving the use of corrosive acids.

The unique TRI-MER FAN/SEPARATOR is designed

to control dangerous corrosive fumes generated during various metal finishing operations.

Hazardous emissions controlled include, sulphuric acid, hydrochloric acid, hydrofluoric acid, nitric acid and hundreds of plating bath solutions and caustics.

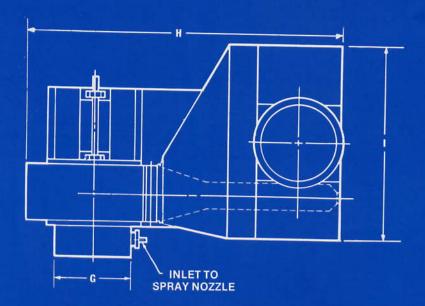
The fan separator cuts operating costs, reduces water usage 90%, and controls corrosive air pollution problems more efficiently than wet scrubbers while using less energy.

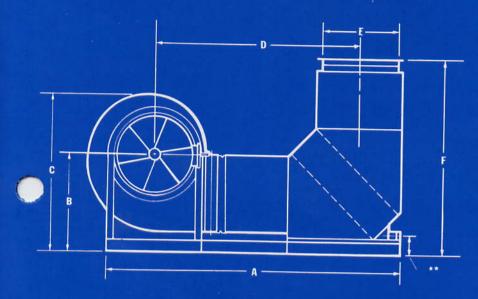


Model No.	Capacity C.F.M.	Motor H.P.	A	В	C	D	E	F	e	н	1	Maximum GPM Required	Drain Size	Total Weight
F-S-%	50- 250	4	2'-8%"	1'	1'-4"/2"	2'-1"	6"	1'-6%"	6"	2'-10"%."	1'-6"	Y.	¥"	1200
F-S-%	250- 500	1	3'-1%"	1'-%"	1'-6%"	2'-3"	8"	2'-1%"	9"	3'-4"	1'-9%"	У,		140
F-S-%	500- 1,000	1%	4'-2"	1'-4%"	2'-1%"	3'-%"	11"	2'-9%"	11"			17700	2"	180
F-S-%	1,000- 1,700	2	4'-2%"	1'-7%"	2'-5%"	2'-11%"	1'-1"	3'-1"	1'-1"	4'-5%"	2'-4%"	%	2"	360
F-S-1	1,700- 2,500	3	5'-5"	1'-10%"	2'-10%"	3'-10%"	1'-4"	3'-7%"	1'-4"	4'-6"	3'-0"	%	2%"	425
F-S-2	2,300- 3,800	5	6'-2"	2'-2"	3'-5"	4'-3"	1'-7"	4'-3"	ACCORDANCE NO.	5'-8%"	3'-0"	1%	3"	615
F-S-3	3,400- 5,700	5	7'-5%"	2'-6%"	4'-%"	5'-2"	2'-0"		1'-7"	6'-6%"	3'-9%"	2	4"	770
F-S-4	5,200- 6,900	7%	8'-7"	2'-8%"	4'-4%"	6'-0"		4'-7%"	2'-0"	7'-11"	4'-0"	3	4"	1,025
F-S-5	6,000- 8,300	7%	8'-10"	2'-10%"	4'-8%"	S-015-200-0	2'-2"	5'-4"	2'-2"	9-1%"	5'-5"	4	6"	1,190
F-S-6	8,000- 10,300		9'-7"	3'-2%"		6'-2%"	2'-4"	4'-11"	2'-4"	9'-6%"	5'-10"	5	6"	1,605
F-S-7	10,000- 12,500	15	10'-2%"		5'-3"	6'-7"	2'-8"	6'-2"	2'-8"	10'-3"	5'-3"	6	6"	1,875
F-S-8	The state of the s			3'-5%"	5'-8%"	6'-10%"	2'-11"	6'-4"	2'-11"	10'-11%"	6'-9"	8	6"	2,088
F-S-9	12,000- 15,300		11'-9"	3'-9%"	6'-3%"	8'-0"	3'-3"	7'-0"	3'-3"	12'-6"	6'-9"	9	6"	2,380
	15,000- 18,600	20	12'-6"	4'-1%"	6'-10%"	8'-4"	3'-8"	6'-2"	3'-8"	13'-4%"	6'-9"	12	6"	2,930
F-S-10	18,000- 22,700	20	15'-9%"	4'-6"	7'-6%"	10'-3"	4'-0"	6'-11"	4'-0"	16'-9%"	6'-9"	14	6"	3,470
F-S-11	22,000- 27,500	25	16'-11%"	4'-10%"	8'-3%"	11'-2"	4'-5"	8'-0"	4'-5"	17'-10%"	6'-9"	17	6"	4,120
F-S-12	27,500- 37,000	40	20'-4"	5'-6%"	9'-3%"	13'-11"	5'-0"	8'-11"	5'-0"	21'-7%"	8'-0"	20	6"	4,630
F-S-14	37.000- 45,000	50	20'-11"	6'-1%"	10'-%"	14'-4"	5'-4"	10'-0"	5'-4"	22'-3"	9'-0"	24	6"	200000000000000000000000000000000000000
F-S-15	45,000- 60,000	75	24'-2"	6'-1%"	10'-1"	16'-6%"	5'-4"	11'-2%"	5'-4"	25'-7"	9'	30		5,100
F-S-16	60,000- 80,000	100	31'-8%"	6'-7%"	11'-2%"	20'-5%"	5'-8"	11'-2%"	5'-8"	31'-8%"	9'-4%"		6"	6,600
F-S-17	80,000-100,000	125	33'-7"	7'-2%	11'-11%."	20'-9%"	6'-2"	11'-2%"	6'-2"	33'-6%"		40	6"	8,300
								4	0.2	33 -0/4	11'-4%"	50	6"	9,000

For double pack models check with manufacturer for dimensional data

Dimensions of the TRI-MER FAN/SEPARATOR





The TRI-MER FAN/SEPARATOR offers a compact rectangular shape designed for simple, quick installation.

The fan and separator sections are mated specifically to each other. Undersized fans are NOT found on fan/separators.

Fan outlet velocity is controlled so that air crossing the polypropylene filter pack never exceeds 500 FPM for a given size unit.

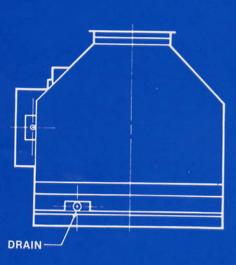
The resulting low humidity factor in the exhaust stack makes return air possible in many applications.

Standard materials of construction:

PVC, Polypropylene

Available optional materials of construction:

Fiberglass overlayed PVC, 316 stainless steel, 304 stainless steel and mild steel



TRI-MER

FAN/SEPARATORS

ELIMINATE

CORROSION PROBLEMS

ELIMINATE CORROSION PROBLEMS.

Tri-Mer can help. We offer complete engineering and consultant services from blueprints through permit stages to fabrication and installation.



Because proper planning at print stage is always less expensive than alterations near completion.

WHY TRI-MER SEPARATORS?

Because Tri-Mer separators are constructed of corrosion-proof PVC with self-cleaning polypropylene filters for long life and minimal maintenance.

They use about one tenth the amount of water required by conventional wet scrubbers or towers.

Low static pressure and minimal horsepower requirements mean lower energy usage.



FAST DELIVERY AND RELIABILITY.

Tri-Mer delivers. On site and on time. Most

systems are completed within a 6 to 8 week period. And Tri-Mer stands

behind every system we build.

Its compactness and light weight mean low cost, easy installation.

TRI-MER HAS ANOTHER IMPORTANT ENERGY SAVING FEATURE.

Because the moisture eliminator is on the downstream side of the fan, in many instances scrubbed air can actually be returned into the plant.

TRI-MER MANUFACTURES FOR A WIDE RANGE OF CAPACITY REQUIREMENTS.

From 50 cfm to 100,000 cfm in single or multiple units, depending on your specific application. We can even help you plan for economical future expansion.



FAN SEPARATORS. SOMETIMES YOU DON'T NEED THEM.

Tri-Mer offers the same print-to-installation service for cross flow and tower scrubbers as well as PVC exhaust systems.



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