



Aeroex Technologies Inc.

Oil Mist Collector

Model MF-350/550

Multi-Stage



Installation & Service Manual

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Model MF-350/550 Specifications

AEROEX – Oil Mist Collector

For highly effective separation of coolant and oil mists including smoke from metalworking machinery and oil reservoirs.

Consisting of:

Powdered coated galvanized steel housing.

Motorized impeller

Filter stages:

- 1st stage mechanical element
- 2nd stage demister
- 3rd stage fibre bed filter
- Optional 4th stage HEPA filter

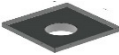
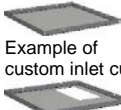

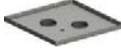






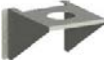


Specifications:

Model	CFM	Sound dB(A)	Machine Tool Enclosure Volume ft ³	Motor hp	Voltage RPM	Amps	RPM
MF-350	300-400	66	125	0.5	115/1/60 220/1/60 230/460/3/60	3.0 1.5 0.93/0.56	2810
MF-550	500-600	68	250	0.75	115/1/60 220/1/60 230/460/3/60	4.9 2.5 1.6/0.93	2810

Installation Instructions

- Mount mist collector level.
- Mist collector must be mounted higher than suction point. Fluid drains down and back through suction inlet.
- Units can be mounted directly on top of machines, on a post or on the wall.
- Ensure that there is free space to change filters.
- Minimize the length of ducting to avoid air flow losses.
- Metal ducting or flexible hose can be used.
- Do not locate suction intake on machining applications in direct line of the cutting spray.
- Connect electrical power. (Consult a qualified electrician)
- Check motor direction as per arrow on motor. (230/460 volt only, see page 5)

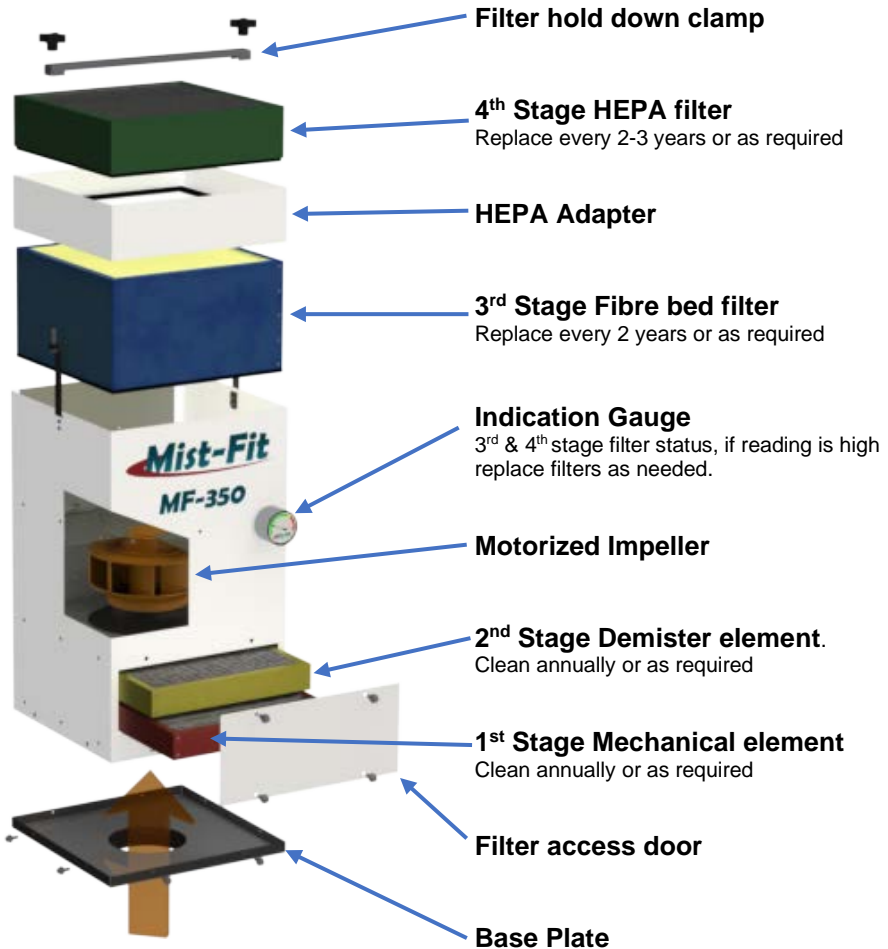
Mounting Options

	Base Plate	MF55-B001	 Example of custom inlet cut.	Blank Base Plate For custom inlet cut on site	MF55-B008
	Stand Height 11" Suction hose required	MF55-B002		Optional Base Plates (a) 4" Ø inlet (b) 4" Ø inlet with oil drain nipple (c) 2 x 4" Ø inlets with oil drain nipple (d) 6" Ø inlet with oil drain nipple	MF55-B009 MF55-BD09 MF55-BD10 MF55-BD01
	Side Mount	MF55-B003		Floor stand Adjustable 6 – 8 ft Galvanized steel	MF55-B219
	Pedestal Height 8"	MF55-B004		HEPA Filter Kit 4" c/w HEPA filter 95% @ 0.3 µm	MF55-A020
	Offset Pedestal Height 8"	MF55-B005		HEPA Filter Kit 8" c/w HEPA filter 99.9% @ 0.3 µm	MF55-A021
	Wall Mount Suction hose required	MF55-B006		Tsugami MF55-B012 Mounts to existing flange	MF55-B012
	Suspension Kit Suction hose required	MF55-B007			

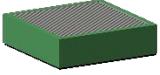
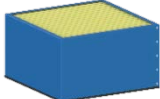

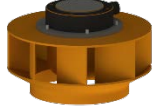
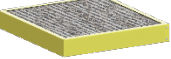

Maintenance

The mist collector can operate for long periods without maintenance. The maintenance period will depend on the type of oil, coolant & debris in air stream. Inspect the unit after 3 months, 6 months & 1 year to establish the maintenance interval.

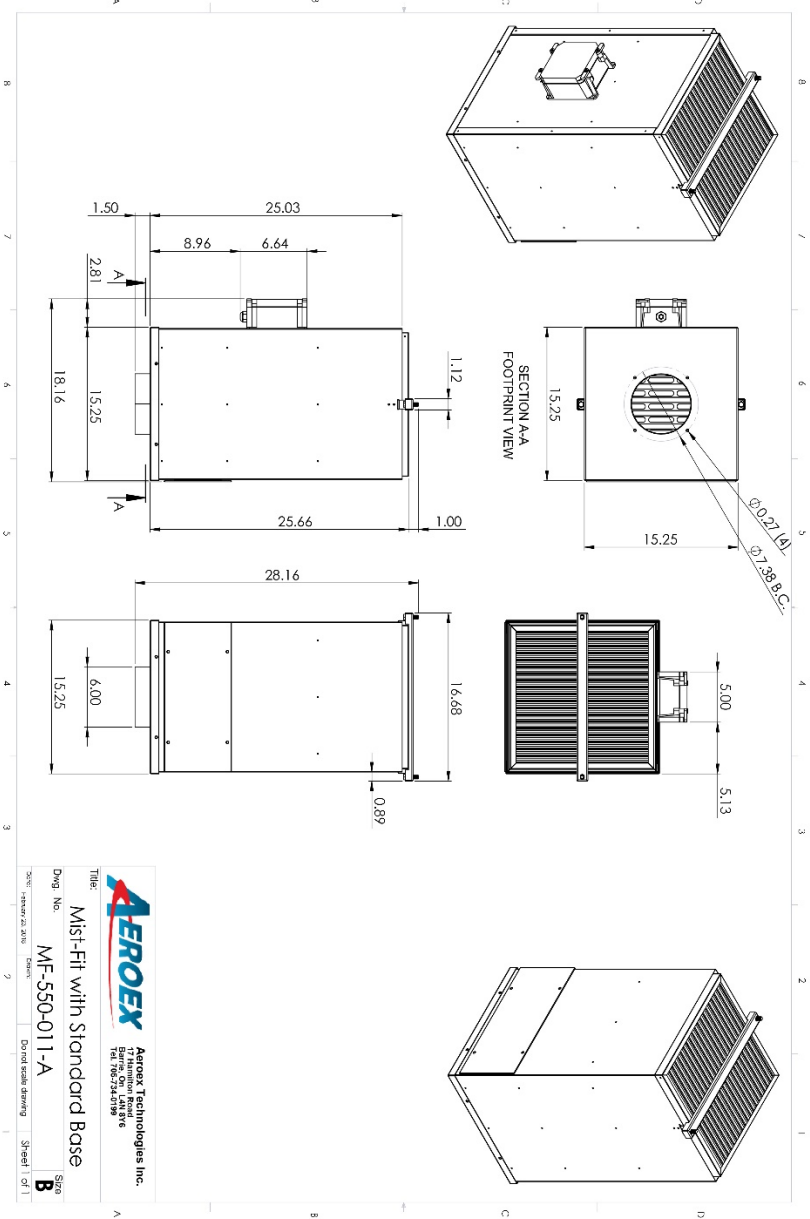
The 1st stage mechanical separator elements and the 2nd stage demister filter to be manually cleaned/washed.



Parts

	<p>4th Stage HEPA filter Replace every 2-3 years or as required</p>	<p>MF55-F004 95% @ 0.3 μm</p> <p>MF55-F005 99% @ 0.3 μm</p> <p>MF55-F009 Odor-Rid</p>
	<p>3rd Stage Fibre bed filter Replace every 2 years or as required</p>	<p>MF55-F007</p>
	<p>Indication Gauge</p>	<p>MF55-G001 (MF-350 only)</p> <p>MF55-G002 (MF-550 only)</p>
	<p>Motorized Impeller</p>	<p>TMK225-2-11 (MF-350 115/1/60) CAP20M-400V (Capacitor)</p> <p>TMK225-2-12 (MF-350 220/31/60) CAP6M-400V (Capacitor)</p> <p>TMK225-2-34 (MF-350 230/460/3/60)</p> <p>TMK250-2-11 (MF-550 115/1/60) CAP40M-400V (Capacitor)</p> <p>TMK250-2-12 (MF-550 220/31/60) CAP10M-400V (Capacitor)</p> <p>TMK250-2-34 (MF-550 230/460/3/60)</p>
	<p>2nd Stage Demister element. Clean annually or as required</p>	<p>MF55-F002</p>
	<p>1st Stage Mechanical element Clean annually or as required</p>	<p>MF55-F001</p>

Dimensions



Warranty

Limited Warranty

Aeroex warrants the original purchaser against defects in material and workmanship for five (5) years from date of shipment.

Filters are consumable items and are only warranted to be free of manufacturing defects at time of delivery.

Equipment, parts, or accessories manufactured by others including electric motor, fans and control components carry the guaranty of the manufacturer only.

Any part which is determined to be defective in material or workmanship and returned to an authorized service location, as Aeroex Technologies designates, shipping costs prepaid, will be repaired or replaced at Aeroex Technologies option.

Excluded from the foregoing guarantee are damages caused by ordinary wear and tear, erosion or corrosion, misuse, abuse, or improper handling by the purchaser or any third party.

Aeroex Technologies makes no additional warranties, expressed or implied, whether of merchantability, or otherwise, other than stated above. AEROEX shall not be responsible for any indirect, special or consequential damages, nor for any other claim arising out of the sale, rental, or use of its equipment. AEROEX shall not be liable for special or consequent damages in case of any failure, claims for labor, loss of profits, repairs, alterations, or other expenses incidental to replacement of defective parts or return of the equipment. The Purchaser's sole remedy shall be as stated above.

Aeroex Technologies will make good faith effort for prompt correction or adjustment with respect to any product that proves to be defective within warranty.

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