

Mist-Fit MF-550 Oil Mist Collector

**Small
Footprint**
Simple to
install

**Multi-Stage
Progressive
Separation**

**Fibre Bed
Filter**
High efficiency

**Modular
Design**
Add options
as required

Direct Mount
Clean factory
look

Long filter life

Low operating
costs

Low
maintenance

Clean air

Compact and big on performance !

Mist-Fit is a compact mist collector with a fibre bed filter at an affordable price. Fibre bed filtration has proven to be superior to other filter technologies. Ideal for high pressure coolant and oil applications. Oil drains back to cnc machine.

With a footprint of 15" x 15", it is easily machine mounted. Eliminates mist, smoke and fine particles. Modular design, add options as required. Direct mount without suction hose for that clean factory look.

Separation Stages:

Optional **Pre-Filter Box**, (#5 on exploded view).
For oil and heavy mist.

Recommended for Swiss screw machines. Extends filter life many times.

The innovative **1st stage** Mechanical Element separates up to 90% of the oil mist and swarf. The smooth metal surfaces quickly drains fluid back to the sump.

The **2nd stage** Demister Element supports the 1st stage to ensure up to 95% of the mist and swarf are removed with washable filters.

The **3rd stage** Fibre Bed mist filter is depth loading that capture small mist particles. With a filter rating of MERV 15, it can be used without a HEPA filter on most applications. *Typical life 1 – 3 years.*

Optional **4th stage** HEPA Filter captures sub-micron mist, smoke and bacteria. Efficiency 95% @ 0.3 µm is standard, optional 99.9% @ 0.3 µm. *Typical life 2 – 4 years*

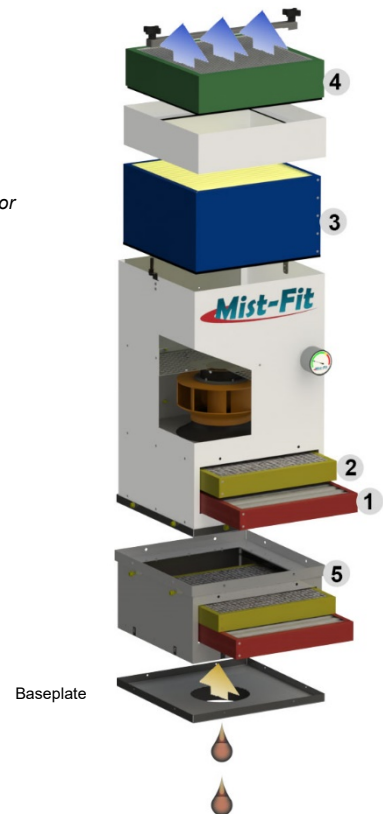
HEPA filter is made with exclusive heavy duty filter media, no other product holds as much or lasts as long.

Technical Data:

Air Flow	500 – 600 cfm
Machine tool enclosure	Up to 300 ft ³
Motor	0.75 hp
Voltage (amps)	115/1/60 (4.9) 220/1/60 (2.5) 230/3/60 (1.57) 460/3/60 (0.95)
Temperature (max)	125°F / 50°C
pH limits	5.8 – 9.8
Weight	65 lbs / 75 lbs with HEPA filter
Length	15"
Width	15"
Height	26" 30" with 95% HEPA filter 34" with 99.9% HEPA filter
Inlet connection	6" Ø
Mounting options	See options page 2
Sound	68 dB(A)
Optional 4 th stage filters	HEPA filter 95% @ 0.3µm HEPA filter 99.9% @ 0.3µm Odor-Rid filter

Mist-Fit Models

MF-350
MF-550
MF-560 for Swiss type machines and demanding applications
MF-1050
MF-1950 for coolant, for oil applications use ARO-2000



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Rev 550 0321



Mist-Fit MF-550 Options

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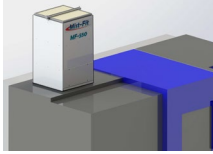

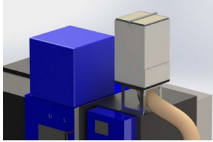

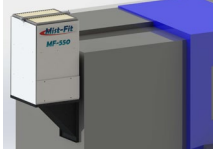



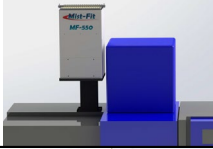

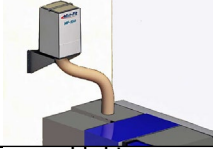
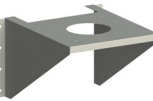
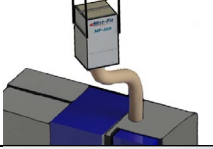

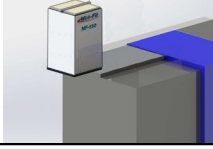


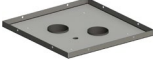


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	Item	Description	Part #
		Mist-Fit MF-550 3 filter stages Base plate, 6" Ø inlet (a) Voltage 115/1/60 (b) Voltage 220/1/60 (c) Voltage 230/460/3/60	MF55-0115 MF55-0220 MF55-0460
		Stand Height 11" Suction hose required	MF55-B002
		Side Mount	MF55-B003
		Pedestal Height 8".	MF55-B004
		Offset Pedestal Height 8"	MF55-B005
		Wall Mount Suction hose required	MF55-B006
		Suspension Kit Suction hose required	MF55-B007
	 Example of custom inlet cut.	Blank Base Plate For custom inlet cut on site	MF55-B008
		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 (e) Tsugami flange mount	MF55-B009 MF55-BD09 MF55-BD10 MF55-BD01 MF55-B012
		Floor stand Adjustable 6 – 8 ft Galvanized steel Suction hose required	MF55-B219

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Item	Description	Part #
	Pre-Filter Box For oil and heavy mist. <i>Recommended on Swiss machines</i>	MF55-P001
	HEPA Filter Kit 4" c/w HEPA filter 95% @ 0.3 µm <i>For absolutely clean air</i>	MF55-A020
	HEPA Filter Kit 8" c/w HEPA filter (a) 99.9% @ 0.3 µm <i>For smoke or absolutely clean air</i>	MF55-A021
	(b) Odor-Rid filter Kit <i>Combo HEPA 95% & carbon</i>	MF55-A022
	Motor Starter Voltage 115/1/60 Voltage 220/1/60 Voltage 230/3/60 Voltage 460/3/60	MF35-E115 MF35-E220 MF35-E230 MF35-E460
	VFD Motor Starter, NEMA 1 Voltage 115/1/60 Voltage 220/1/60 Voltage 230/3/60 Voltage 460/3/60 Wire kit, 25 ft + strain reliefs	MF55-V115 MF55-V220 MF55-V230 MF55-V460 MF55-E001
	Chip Strainer Flat 6" Ø <i>Mount inside cnc machine over suction</i>	MF55-A011
	Suction Hose 6" Ø <i>sold by foot</i>	MF55-A012
	Hose Clamp Set of 2 6" Ø	MF55-A013
	Machine Adaptor 6" Ø <i>For hose connection to cnc machine</i>	MF55-A014
	Spare 4 th Stage HEPA Filter 4" 95% @ 0.3 µm	MF55-F004
	Spare 4 th Stage HEPA Filter 8" (a) 99.9% @ 0.3 µm	MF55-F005
	(b) Odor-Rid filter Kit	MF55-F009
	Spare 3 rd Stage Fibre Bed Filter	MF55-F007
	Spare 2 nd Stage Demister Element	MF55-F002
	Spare 1 st Stage Mechanical Element	MF55-F001

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Mounting Options

<p>Direct Mount</p> <p>Base Plate 6" Ø Inlet</p> <p>Accessories</p> <ul style="list-style-type: none"> ➢ Chip strainer 	<p>Direct Mount</p> <p>Blank Base Plate Custom cut on site</p> <p>Accessories</p> <ul style="list-style-type: none"> ➢ Chip strainer 	<p>Optional Base Plates</p> <ul style="list-style-type: none"> ➢ 4" Ø inlet ➢ 4" Ø inlet with oil drain nipple ➢ 2 x 4" Ø inlets with oil drain nipple ➢ 6" Ø inlet with oil drain nipple 	
<p>Side Mount</p> <p>Accessories</p> <ul style="list-style-type: none"> ➢ Chip strainer 	<p>Pedestal Height 8"</p> <p>Accessories</p> <ul style="list-style-type: none"> ➢ Chip strainer 	<p>Offset Pedestal Height 8"</p> <p>Accessories</p> <ul style="list-style-type: none"> ➢ Chip strainer 	
<p>Stand Height 11"</p> <p>Wall Mount</p> <p>Suspended</p> <p>Floor Stand Adjustable 6ft to 8ft</p> <p>Accessories</p> <ul style="list-style-type: none"> ➢ Suction Hose 6" Ø ➢ Hose Clamps 6" Ø ➢ Machine adaptor 6" Ø ➢ Chip strainer 			

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