

## Mist-Fit MF-1050 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 20" x 20", 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 **1<sup>st</sup> 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 **2<sup>nd</sup> stage** Demister Element supports the 1<sup>st</sup> stage to ensure up to 95% of the mist and swarf are removed with washable filters.

The **3<sup>rd</sup> 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 **4<sup>th</sup> 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*

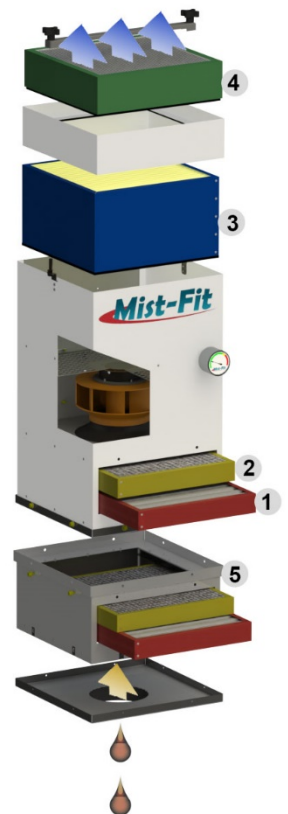
*HEPA filter is made with exclusive heavy duty filter media, no other product holds as much or lasts as long.*

### Technical Data:

Air Flow	900 – 1100 cfm
Machine tool enclosure	Up to 350 ft <sup>3</sup>
Motor	1.5 hp
Voltage (amps)	230/3/60 (2.7)
	460/3/60 (1.6)
Temperature (max)	125°F / 50°C
pH limits	5.8 – 9.8
Weight	98 lbs
	124 lbs with HEPA filter 95%
Width	20"
Height	28"
	33" with HEPA filter 95%
	41" with HEPA filter 99.9%
Inlet connection	8" Ø
Mounting options	See options page 2
Sound	69 dB(A)
Optional 4 <sup>th</sup> 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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	Item	Description	Part #
		Mist-Fit 1050 3 filter stages Base plate, 12" Ø inlet Voltage 230/460/3/60	MF10-0460
		Stand Height 13" Suction hose required.	MF10-B002
		Side Mount	MF10-B003
		Pedestal Height 8"	MF10-B004
		Wall Mount Suction hose required.	MF10-B006
		Suspension Kit Suction hose required.	MF10-B007
	 Example of custom inlet cut.	Blank Base Plate For custom inlet cut on site	MF10-B008
		Optional Base Plates (a) 6" Ø inlet (b) 6" Ø inlet with oil drain (c) 2 x 6" Ø inlets with oil drain (d) 8" Ø inlet with oil drain (e) Tsugami flange mount	MF10-B010 MF10-BD10 MF10-BD13 MF10-BD01 MF10-B016
		Floor stand Adjustable 6 - 8 ft Galvanized steel Suction hose required	MF10-B219

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Rev 1050 0321

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Item	Description	Part #
	Pre-Filter Box For oil and heavy mist. <i>Recommended on Swiss machines</i>	MF10-P001
	HEPA Filter Kit 4" c/w HEPA filter 95% @ 0.3 µm <i>For absolutely clean air</i>	MF10-A020
	HEPA Filter Kit 8" c/w HEPA filter (a) 99.9% @ 0.3 µm <i>For smoke or absolutely clean air</i> (b) Odor-Rid filter Kit <i>Combo HEPA 95% &amp; carbon</i>	MF10-A021 MF10-A022
	Motor Starter Voltage 230/3/60 Voltage 460/3/60	MF10-E230 MF10-E460
	VFD Motor Starter, NEMA 1 Voltage 115/1/60 input, 230/3/60 out Voltage 220/1/60 input, 230/3/60 out Voltage 230/3/60 Voltage 460/3/60 Wire kit, 25 ft, strain reliefs	MF10-V115 MF10-V220 MF10-V230 MF10-V460 MF10-E001
	Chip Strainer 8' x 10" x 4" ht <i>Mount inside cnc machine over suction</i>	MF10-A011
	Suction Hose 8" Ø <i>sold by foot</i>	MF10-A012
	Hose Clamp Set of 2 8" Ø	MF10-A013
	Machine Adaptor 8" Ø <i>For hose connection to cnc machine</i>	MF10-A014
	Spare 4 <sup>th</sup> Stage HEPA Filter 4" 95% @ 0.3 µm	MF10-F004
	Spare 4 <sup>th</sup> Stage HEPA Filter 8" (a) 99.9% @ 0.3 µm (b) Odor-Rid Filter	MF10-F005 MF10-F009
	Spare 3 <sup>rd</sup> Stage Fibre Bed Filter	MF10-F007
	Spare 2 <sup>nd</sup> Stage Demister Element	MF10-F002
	Spare 1 <sup>st</sup> Stage Mechanical Element	MF10-F001
	Hood 2 ft x 6 ft Optional: Curtain	MF10-H001 MF10-HC01

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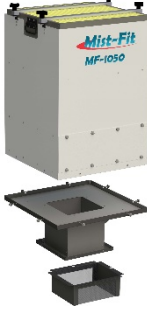
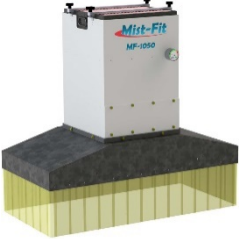
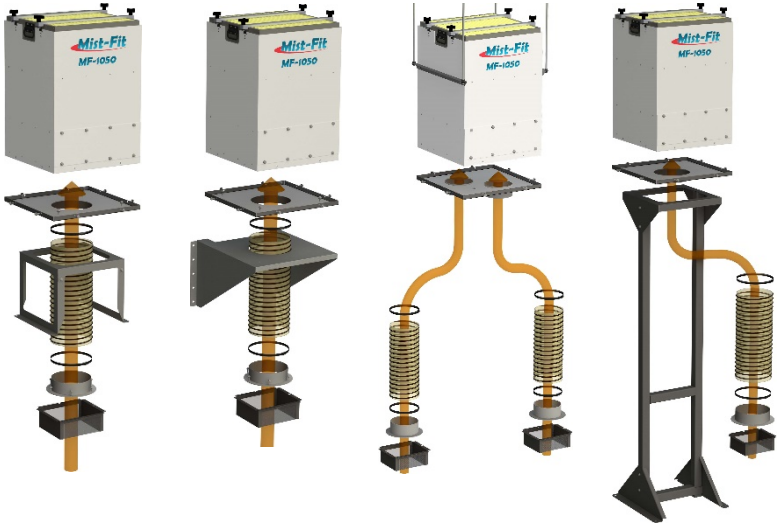
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## Mounting Options

<p><b>Direct Mount</b></p> <p><b>Base Plate</b> 8" Ø Inlet</p> <p><b>Accessories</b> ➢ Chip strainer</p> 	<p><b>Direct Mount</b></p> <p><b>Blank Base Plate</b> Custom cut on site</p> <p><b>Accessories</b> ➢ Chip strainer</p> 	<p><b>Optional Base Plates</b></p> <ul style="list-style-type: none"> <li>➢ 6" Ø inlet</li> <li>➢ 6" inlet with oil drain nipple</li> <li>➢ 2 x 6" Ø inlets with oil drain nipple</li> <li>➢ 8" Ø inlet with oil drain nipple</li> </ul> 	
<p><b>Side Mount</b></p> <p><b>Accessories</b> ➢ Chip strainer</p> 	<p><b>Pedestal</b> Height 8"</p> <p><b>Accessories</b> ➢ Chip strainer</p> 	<p><b>Hood</b> 2 ft x 6 ft</p> 	
<p><b>Stand</b> Height 13"</p> <p><b>Wall Mount</b></p> <p><b>Suspended</b> shown with 2 x 6" inlets</p> <p><b>Floor Stand</b> 6ft - 8 ft</p> <p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>➢ Suction Hose 8" Ø</li> <li>➢ Hose Clamps 8" Ø</li> <li>➢ Machine adaptor 8" Ø</li> <li>➢ Chip strainer</li> </ul> 			

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