



Mist-Fit MF-1950 Coolant 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, *not recommended for oil applications*. Coolant drains back to cnc machine.

With a footprint of 25" x 25", it is easily machine mounted.

Modular design, add options as required.

Direct mount without suction hose for that clean factory look

Eliminates coolant mist, smoke and fine particles.

For oil applications, use model ARO-2000.

Separation Stages:

Optional **Pre-Filter Box**, (#5 on exploded view).
For heavy mist. 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	1900 – 2000 cfm
Machine tool enclosure	Up to 1,500 ft ³
Motor	3 hp
Voltage (amps)	230/3/60 (6.0) 460/3/60 (3.3)
Temperature (max)	125°F / 50°C
pH limits	5.8 – 9.8
Weight	270 lbs 324 lbs with HEPA filter 95%
Width	25"
Inlet connection	12" Ø
Mounting options	See options page 2
Sound	72 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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	Item	Description	Part #
		Mist-Fit 1950 3 filter stages (coolant filters only) Base plate, 12" Ø inlet Voltage 230/460/3/60	MF19-0460
		Stand Height 21" Suction hose required.	MF19-B002
		Side Mount	MF19-B003
		Wall Mount Suction hose required.	MF19-B006
		Suspension Kit Suction hose required.	MF19-B007
		Blank Base Plate For custom inlet cut on site	MF19-B008
		Optional base plates (a) 12" Ø inlet with oil drain nipple (b) 2 x 8" Ø inlets with oil drain nipple	MF19-BD01 MF19-B017
		Tailored Base Plate Example: 3 x 4" Ø inlets Oil drain nipple	MF19-Bxxx
		Floor stand Adjustable, 6 – 8 ft Galvanized steel Suction hose required	MF19-B219

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Item	Description	Part #
	Pre-Filter Box <i>Recommended for heavy mist.</i>	MF19-P001
	HEPA Filter Kit 8" c/w HEPA filter 95% @ 0.3 µm <i>For absolutely clean air</i>	MF19-A020
	HEPA Filter Kit 12" 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% & carbon</i>	MF19-A021 MF19-A022
	Motor Starter Voltage 230/3/60 Voltage 460/3/60	MF19-E230 MF19-E460
	VFD Motor Starter, NEMA 1 Voltage 230/3/60 Voltage 460/3/60 Wire kit, 30 ft, strain reliefs	MF19-V230 MF19-V460 MF19-E001
	Chip Strainer 12" x 14" x 4" ht <i>Mount inside cnc machine over suction</i>	MF19-A011
	Suction Hose 12" Ø <i>sold by foot</i>	MF19-A012
	Hose Clamp Set of 2 12" Ø	MF19-A013
	Machine Adaptor 12" Ø <i>For hose connection to cnc machine</i>	MF19-A014
	Spare 4 th Stage HEPA Filter 8" 95% @ 0.3 µm	MF19-F004
	Spare 4 th Stage HEPA Filter 12" (a) 99.9% @ 0.3 µm (b) Odor-Rid Filter	MF19-F005 MF19-F009
	Spare 3 rd Stage Fibre Bed filter	MF19-F007
	Spare 2 nd Stage Demister Element	MF19-F002
	Spare 1 st Stage Mechanical Element	MF19-F001
	Hood 3 ft x 6 ft Optional: Curtain	MF19-H001 MF19-HC01

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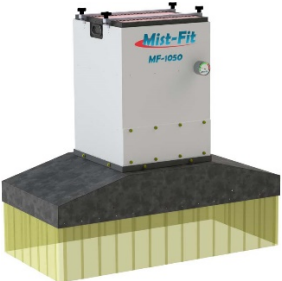
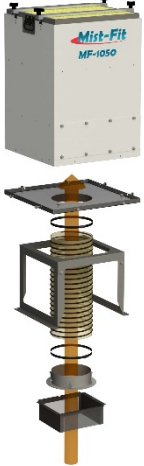
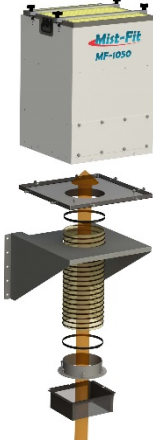
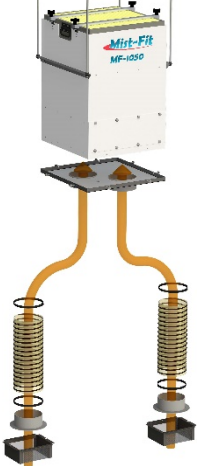
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Mounting Options

<p>Direct Mount</p> <p>Base Plate 12" Ø Inlet</p> <p>Accessories ➢ Chip strainer</p> 	<p>Direct Mount</p> <p>Blank Base Plate Custom cut on site</p> <p>Accessories ➢ Chip strainer</p> 	<p>Optional Base Plate</p> <ul style="list-style-type: none"> ➢ 12" Ø with oil drain nipple ➢ 2 x 8" Ø inlets with oil drain nipple 	
<p>Side Mount</p> <p>Accessories ➢ Chip strainer</p> 	<p>Hood 3 ft x 6 ft</p> 		
<p>Accessories</p> <ul style="list-style-type: none"> ➢ Suction Hose 12" Ø ➢ Hose Clamps 12" Ø ➢ Machine adaptor 12" Ø ➢ Chip strainer 			
<p>Stand Height 21"</p> 	<p>Wall Mount</p> 	<p>Suspended shown with 2 x 8" inlets</p> 	<p>Floor Stand adjustable 6 - 8 ft</p> 