Mist-Fit MF-1050 Oil Mist Collector

Small Footprint
Simple to install

Multi-Stage
Progressive Separation

Fibre Bed Filter
High efficiency

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.

Separation Stages:

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.

Technical Data:

Air Flow	900 – 1100 cfm
Machine tool enclosure	Up to 350 ft³
Motor	1.5 hp
Voltage (amps)	230/3/60 (3.6)
	460/3/60 (1.6)
Temperature (max)	160⁰F / 70⁰C
Weight	98 lbs
	124 lbs with HEPA filter 95%
	152 lbs with HEPA filter 99.9%
Length	20"
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)

Base Plate

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Item		Description	Part #
		Mist-Fit 1050 3 filter stages Base plate, 8" Ø inlet Voltage 230/460/3/60	MF10-0460
		Mounting Option Stand Height 13" Suction hose required.	MF10-B002
		Mounting Option Side Mount	MF10-B003
		Mounting Option Wall Mount Suction hose required.	MF10-B006
		Mounting Option Suspension Kit Suction hose required.	MF10-B007
	Example of custom inlet cut.	Mounting Option Blank Base Plate For custom inlet cut on site	MF10-B008
		Mounting Option Base Plate, 2 x 6" Ø inlets.	MF10-B017
		Mounting Option Pillar stand 6 ft 7 ft 8 ft	MF10-B216 MF10-B217 MF10-B218
		Optional: For absolutely clean air HEPA Filter Kit 4" c/w HEPA filter 95% @ 0.3 µm	MF10-A020
		Optional: For smoke or absolutely clean air HEPA Filter Kit 12" c/w HEPA filter 99.9% @ 0.3 µm	MF10-A021
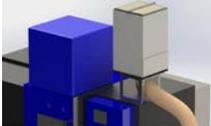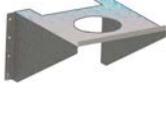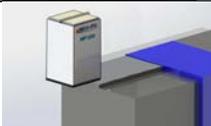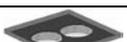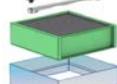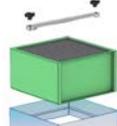
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Item	Description	Part #
	Motor Starter 230/3/60 460/3/60	MF10-E230 MF10-E460
	Chip Strainer 8.5' x 10" x 3.25" ht Mount inside cnc machine over suction	MF10-A011
	Suction Hose 8" Ø sold by foot	MF10-A012
	Hose clamp Set of 2 8" Ø	MF10-A013
	Machine adaptor 8" Ø For hose connection to cnc machine	MF10-A014
	Spare 4th Stage HEPA Filter 4" 95% @ 0.3 μm	MF10-F004
	Spare 4th Stage HEPA Filter 12" 99.9% @ 0.3 μm	MF10-F005
	Spare 3rd stage Fiber Bed filter	MF10-F003
	Spare 2nd stage Demister Element	MF10-F002
	Spare 1st stage Mechanical Element	MF10-F001
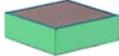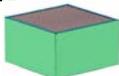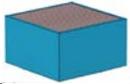
![Mist-Fit logo]

Mist-Fit MF-1050 Options

Accessories for Base Plate , 2 x 6" Ø Inlets
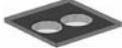
Item	Description	Part #
	Mounting Option Base Plate, 2 x 6" Ø inlets.	MF10-B017
	Chip Strainer 6.5" x 8" x 3.25" ht Mount inside cnc machine over suction	MF05-A011
	Suction Hose 6" Ø sold by foot	MF05-A012
	Hose clamp Set of 2 6" Ø	MF05-A013
	Machine adaptor 6" Ø For hose connection to cnc machine	MF05-A014