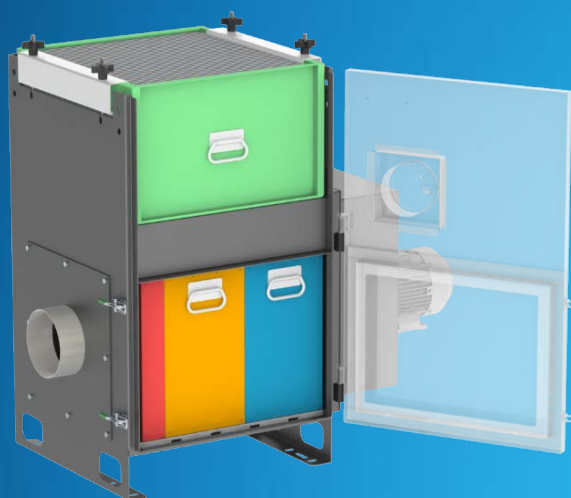
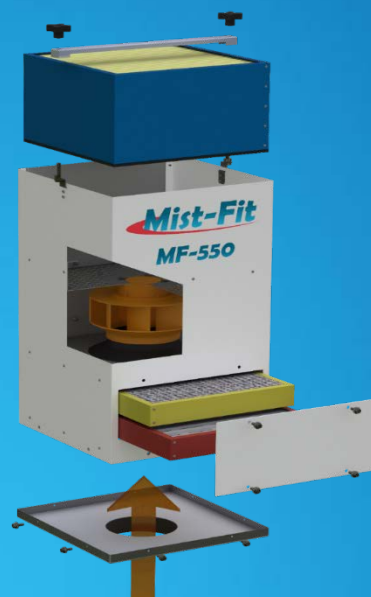


MIST COLLECTORS
NOTHING ESCAPES

ARO Series



Mist-Fit Series



Long filter life
Low operating costs
Low maintenance
Clean air

Oil Mist Limits

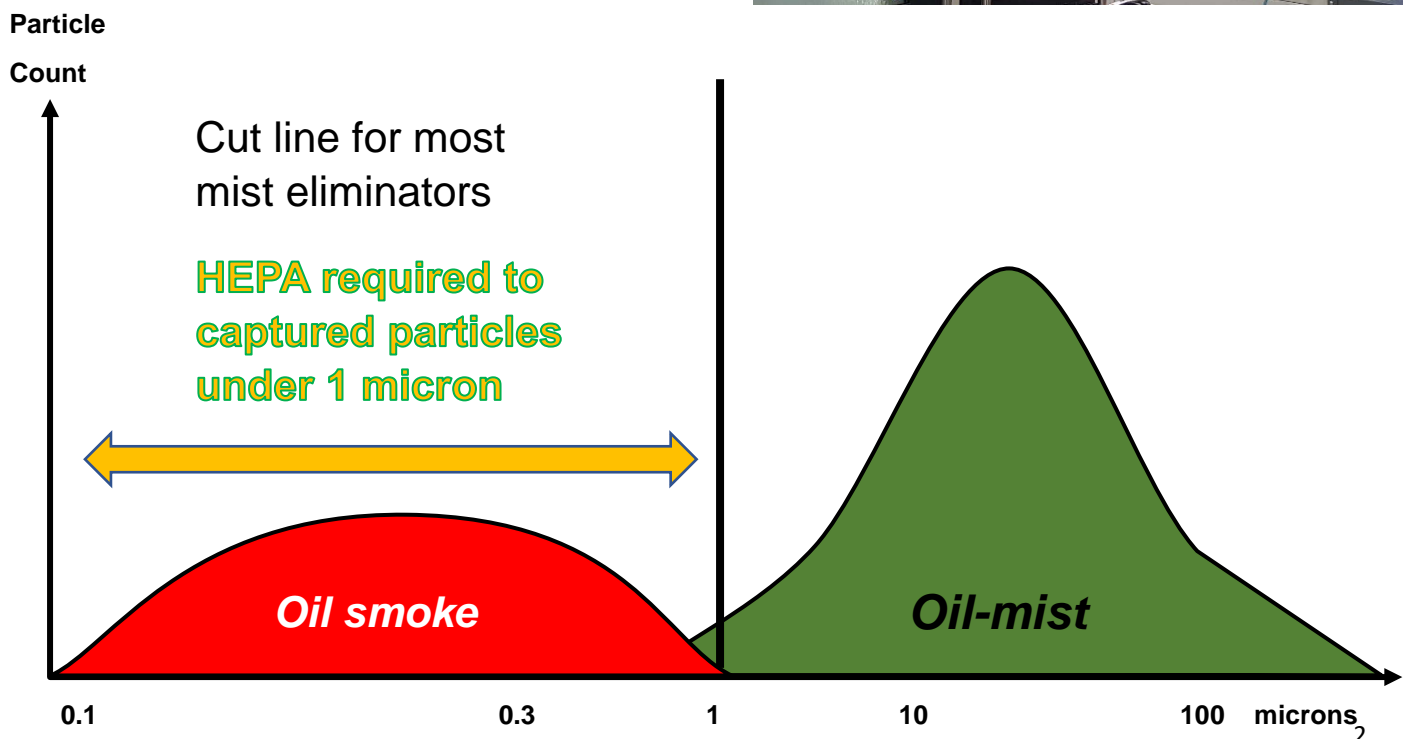
OSHA's limit of 5.0 mg/m³ is outdated and will almost guarantee health and safety concerns.

Most companies with H&S committees are setting exposure limits to 0.3 – 0.5 mg/m³, which is easily achieved with properly sized and maintained mist collectors.

OSHA Limit < 5.0 mg/m³

OSHA Recommended < 0.5 mg/m³

NIOSH Recommended < 0.4 mg/m³
(time weighted average over 8 hrs.)



*for drawings and manuals visit www.aeroex.com/downloads

Sizing Guidelines

***(Length) X (Width) X (Height) X (1 to 2) = (Required CFM) ***
Light Mist

***(Length) X (Width) X (Height) X (3 to 4) = (Required CFM) ***
Moderate Mist

***(Length) X (Width) X (Height) X (4 to 6) = (Required CFM) ***
Heavy Mist and Smoke

Mist collector sizing can vary depending on a variety of factors.

A general rule of thumb is to multiply your machine enclosure volume by a factor of 2-6 depending on the level of mist.

Large machines 1000 cubic feet and up can be calculated with a factor of 2.

Example: *If you have a lathe with high pressure coolant and an internal dimension of 5ft wide X 6ft deep X 10ft long your machine enclosure volume is 300 cubic feet.*

Multiplying the enclosure by 3 shows an approximate requirement of 900 CFM.

An ARO-1100 or MF-1050 would be best suited for this application.



Why Multi-Stage? Separation is done best in progressive stages. When compared to a 2-stage collector, the first filter efficiency must be high to protect the final filter. The potential of the first stage filter plugging is high. Alternatively, if the first filter efficiency is low, the final filter tends to plug.

Why Depth Loading Filters? The air travels through a depth or bed of filter media up to 1 inch thick. The risk of plugging is low, yet efficiency is high.



Pleated face loading filter, separation is on the surface of a very thin layer of filter media, resulting in the pores plugging very quickly.

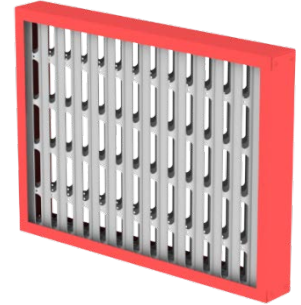


ARO Series Mist Collectors



Filter Technology

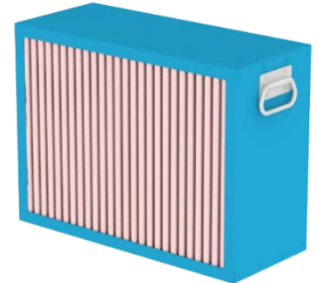
The 1st stage: Innovative mechanical elements separate 90 – 95% of the mist and solids. The smooth metal surfaces quickly drains fluid back to the sump. Washable. *Typical life is 20 years.*



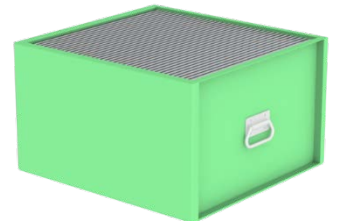
The 2nd stage: The agglomerator filter is unique, consisting of layers of stainless-steel wire mesh woven with oil attracting fibers. The media is very durable, lasting 10 – 15 years. Can be power washed.



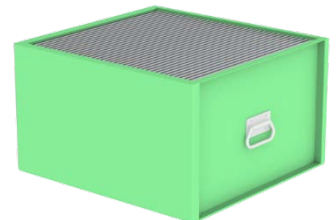
The 3rd stage: Fibre-bed filters have a high surface area, the technology used today by premium mist collectors. High efficiency, excellent drainage, long life. Coolant or oil filters have a typical life of 1 – 3 years.



Final 4th stage: HEPA filter captures sub-micron mist, smoke, and bacteria. Our HEPA filters are made exclusively for oil mist with heavy duty micro-glass media. Standard for coolant 95% @ 0.3 µm. Standard for oil 99.97% @ 0.3 µm. *Typical life is 2 – 4 years.*



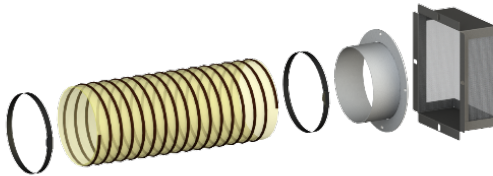
Optional final 4th stage: Odor-Rid filter
Combination filter consisting of HEPA filter 95% and carbon filter media. For odor reduction.



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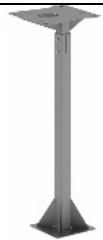
ARO-400

Air Flow	350-500 cfm
Machine Tool Enclosure	Up to 150 ft ³
Recommended Volume	
Motor	1 hp
Voltage (Amps)	230/3/60 (3.2)
	460/3/60 (1.6)
Inlet Connection (standard)	6" Ø
Sound	69 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	230 lbs
L x W x H	43" x 21" x 41"
HEPA Filter	Standard



Installation Kit
 6" Ø inlet
 Oil drain hose 10'
 suction hose 5'
 machine adaptor, chip strainer

[099AKI-0001](#)



Pillar Stand







One piece, 6, 7 or 8 ft.
 Powder coated black.

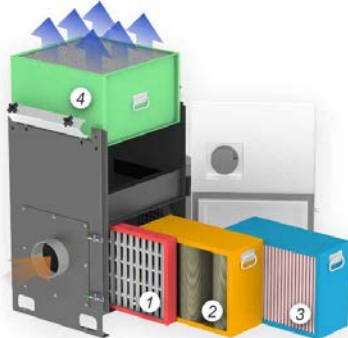
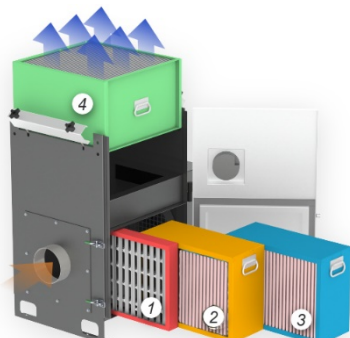
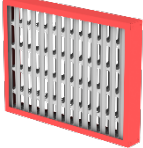
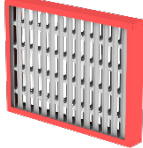




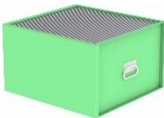
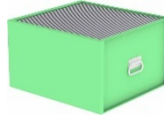
[099AMP-0001](#)



Wall Mount

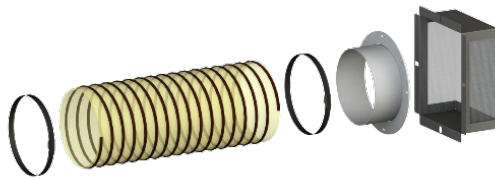
[099AMW-0001](#)

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 460/3/60</p> <p>099EMS-1021 099EMS-1041</p>	 <p>VFD Motor Starter NEMA 1, programmed 230/3/60 460/3/60</p> <p>099EMS-1121 099EMS-1141</p>
 <p>Motor Starter Panel NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60 460/3/60</p> <p>099EMS-3021 099EMS-3041</p>	 <p>VFD Motor Starter Panel NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light, IP 20 VFD, programmed. 230/3/60 460/3/60</p> <p>099EMS-7021 099EMS-7041</p>
 <p>Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)</p> <p>099EMS-E001</p>	 <p>VFD Motor Starter NEMA 4X, programmed 230/3/60 460/3/60</p> <p>099EMS-6021 099EMS-6041</p>

<p>Filters for Coolant</p> 	<p>Filters for Oil</p> 
 <p>1st stage “ME” Mechanical Element A06FMS-0001 Typical life 20 years +</p>	 <p>1st stage “ME” Mechanical Element A06FMS-0001 Typical life 20 years +</p>
 <p>2nd stage “AF” Coolant Filter A06FAF-0001 Typical life 10 years +</p>	 <p>2nd Stage “OM#5” Oil Mist Fibre Bed Filter A06FOM-0005 Typical life 1 - 3 years</p>
 <p>3rd stage “CM” Coolant Mist Filter A06FCM-0004 Typical life 1 - 3 years</p>	 <p>3rd Stage “OM#7” Oil Mist Fibre Bed Filter A06FOM-0007 Typical life 2 - 4 years</p>
 <p>4th stage “HF” HEPA Filter 95% 600HF-2095 99.97% 600HF-2099 Odor-Rid 600HF-3095 Typical life 2 - 4 years</p>	 <p>4th stage “HF” HEPA Filter 95% 600HF-2095 99.97% 600HF-2099 Odor-Rid 600HF-3095 Typical life 2 - 4 years</p>

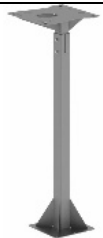
ARO-600

Air Flow	650-750 cfm
Machine Tool Enclosure	Up to 300 ft ³
Recommended Volume	
Motor	1 hp
Voltage (Amps)	230/3/60 (3.2)
	460/3/60 (1.6)
Inlet Connection (standard)	8" Ø
Sound	70 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	230 lbs
L x W x H	43" x 21" x 41"
HEPA Filter	Standard



Installation Kit
 8" Ø inlet
 Oil drain hose 10'
 suction hose 5'
 machine adaptor, chip strainer

[099AKI-0002](#)



Pillar Stand







One piece, 6, 7 or 8 ft.
 Powder coated black.

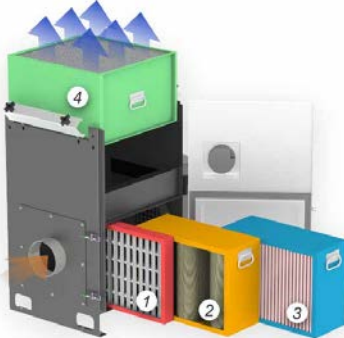
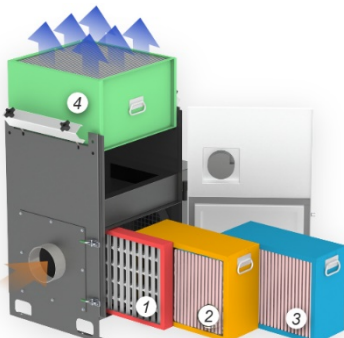
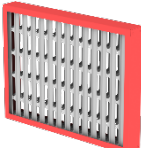
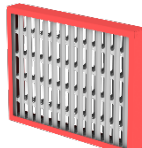




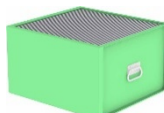
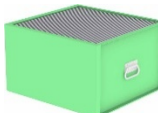
[099AMP-0001](#)



Wall Mount

[099AMW-0001](#)

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 460/3/60</p> <p>099EMS-1021 099EMS-1041</p>	 <p>VFD Motor Starter NEMA 1, programmed 230/3/60 460/3/60</p> <p>099EMS-1121 099EMS-1141</p>
 <p>Motor Starter Panel NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60 460/3/60</p> <p>099EMS-3021 099EMS-3041</p>	 <p>VFD Motor Starter Panel NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light, IP 20 VFD, programmed. 230/3/60 460/3/60</p> <p>099EMS-7021 099EMS-7041</p>
 <p>Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)</p> <p>099EMS-E001</p>	 <p>VFD Motor Starter NEMA 4X, programmed. 230/3/60 460/3/60</p> <p>099EMS-6021 099EMS-6041</p>







Filters for Coolant	Filters for Oil
	
 <p>1st stage “ME” Mechanical Element A06FMS-0001 Typical life 20 years +</p>	 <p>1st stage “ME” Mechanical Element A06FMS-0001 Typical life 20 years +</p>
 <p>2nd stage “AF” Coolant Filter A06FAF-0001 Typical life 10 years +</p>	 <p>2nd Stage “OM#5” Oil Mist Fibre Bed Filter A06FOM-0005 Typical life 1 - 3 years</p>
 <p>3rd stage “CM” Coolant Mist Filter A06FCM-0004 Typical life 1 - 3 years</p>	 <p>3rd Stage “OM#7” Oil Mist Fibre Bed Filter A06FOM-0007 Typical life 2 - 4 years</p>
 <p>4th stage “HF” HEPA Filter 95% 600HF-2095 99.97% 600HF-2099 Odor-Rid 600HF-3095 Typical life 2 - 4 years</p>	 <p>4th stage “HF” HEPA Filter 95% 600HF-2095 99.97% 600HF-2099 Odor-Rid 600HF-3095 Typical life 2 - 4 years</p>

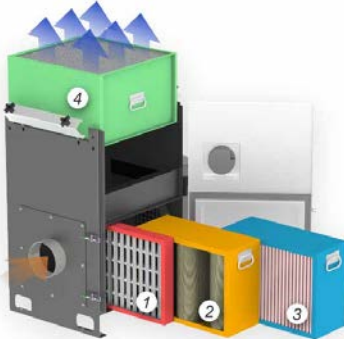
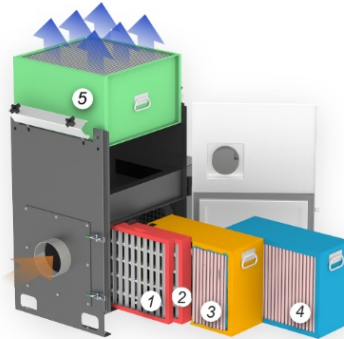
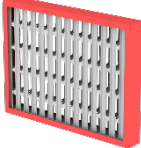
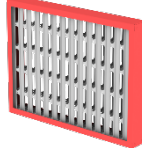






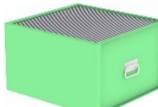
ARO-1100

Air Flow	1100-1300 cfm
Machine Tool Enclosure	Up to 450 ft ³
Recommended Volume	
Motor	2 hp
Voltage (Amps)	230/3/60 (5.5)
	460/3/60 (2.7)
Inlet Connection (standard)	8" Ø
Sound	71 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	340 lbs
L x W x H	49" x 25" x 42"
HEPA Filter	Standard



		Installation Kit 8" Ø inlet Oil drain hose 10' suction hose 5' machine adaptor, chip strainer 099AKI-0002
	Pillar Stand One piece, 6, 7 or 8 ft. Powder coated black. 099AMP-0002	
		Wall Mount 099AMW-0002

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 460/3/60</p> <p>099EMS-1022 099EMS-1042</p>	 <p>VFD Motor Starter NEMA 1, programmed 230/3/60 460/3/60</p> <p>099EMS-1122 099EMS-1142</p>
 <p>Motor Starter Panel NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60 460/3/60</p> <p>099EMS-3022 099EMS-3042</p>	 <p>VFD Motor Starter Panel NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light, IP 20 VFD, programmed. 230/3/60 460/3/60</p> <p>099EMS-7022 099EMS-7042</p>
 <p>Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)</p> <p>099EMS-E002</p>	 <p>VFD Motor Starter NEMA 4X, programmed. 230/3/60 460/3/60</p> <p>099EMS-6022 099EMS-6042</p>







Filters for Coolant	Filters for Oil
	
 <p>1st stage “ME” Mechanical Element A11FMS-0001 Typical life 20 years +</p>	 <p>1st stage “ME” Mechanical Element A11FMS-0001 Typical life 20 years +</p>
 <p>2nd stage “AF” Coolant Filter A11FAF-0001 Typical life 10 years +</p>	 <p>2nd stage “DE” Demister Element A11FDE-0002 Typical life 10 years +</p>
 <p>3rd stage “CM” Coolant Mist Filter A11FCM-0004 Typical life 1 - 3 years</p>	 <p>3rd Stage “OM#5” Oil Mist Fibre Bed Filter A11FOM-0005 Typical life 1 - 3 years</p>
 <p>4th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Typical life 2 - 4 years</p>	 <p>4th Stage “OM#7” Oil Mist Fibre Bed Filter A11FOM-0007 Typical life 2 - 4 years</p>
	 <p>5th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Typical life 2 - 4 years</p>


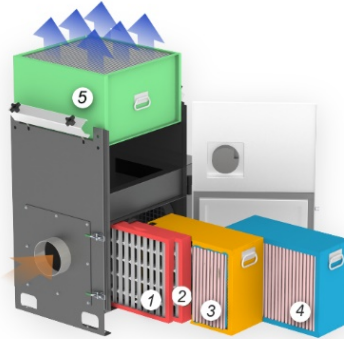
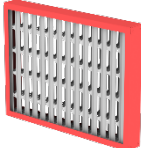
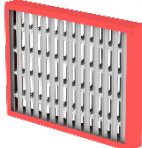




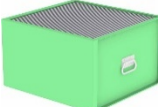

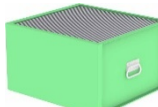
ARO-1400

Air Flow	1400-1700 cfm
Machine Tool Enclosure	Up to 575 ft ³
Recommended Volume	
Motor	2 hp
Voltage (Amps)	230/3/60 (5.5) 460/3/60 (2.7)
Inlet Connection (standard)	10" Ø
Sound	72 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	340 lbs
L x W x H	49" x 25" x 42"
HEPA Filter	Standard



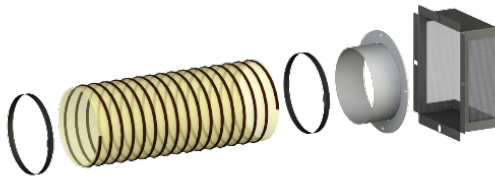
		Installation Kit 10" Ø inlet Oil drain hose 10' suction hose 5' machine adaptor, chip strainer P/N: 099AKI-0003	
	Pillar Stand One piece, 6, 7 or 8 ft. Powder coated black. P/N: 099AMP-0002		Wall Mount P/N: 099AMW-0002

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 460/3/60</p> <p>099EMS-1022 099EMS-1042</p>	 <p>VFD Motor Starter NEMA 1, programmed 230/3/60 460/3/60</p> <p>099EMS-1122 099EMS-1142</p>
 <p>Motor Starter Panel NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60 460/3/60</p> <p>099EMS-3022 099EMS-3042</p>	 <p>VFD Motor Starter Panel NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light, IP 20 VFD, programmed. 230/3/60 460/3/60</p> <p>099EMS-7022 099EMS-7042</p>
 <p>Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)</p> <p>099EMS-E002</p>	 <p>VFD Motor Starter NEMA 4X, programmed. 230/3/60 460/3/60</p> <p>099EMS-6022 099EMS-6042</p>

<p>Filters for Coolant</p> 	<p>Filters for Oil</p> 
 <p>1st stage “ME” Mechanical Element A11FMS-0001 Typical life 20 years +</p>	 <p>1st stage “ME” Mechanical Element A11FMS-0001 Typical life 20 years +</p>
 <p>2nd stage “AF” Coolant Filter A11FAF-0001 Typical life 10 years +</p>	 <p>2nd stage “DE” Demister Element A11FDE-0002 Typical life 10 years +</p>
 <p>3rd stage “CM” Coolant Mist Filter A11FCM-0004 Typical life 1 - 3 years</p>	 <p>3rd Stage “OM#5” Oil Mist Fibre Bed Filter A11FOM-0005 Typical life 1 - 3 years</p>
 <p>4th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Typical life 2 - 4 years</p>	 <p>4th Stage “OM#7” Oil Mist Fibre Bed Filter A11FOM-0007 Typical life 2 - 4 years</p>
	 <p>5th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Typical life 2 - 4 years</p>

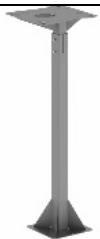
ARO-2000

Air Flow	1800-2200 cfm
Machine Tool Enclosure	Up to 2000 ft ³
Recommended Volume	
Motor	3 hp
Voltage (Amps)	230/3/60 (7.6)
	460/3/60 (3.8)
Inlet Connection (standard)	12" Ø
Sound	71 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	390 lbs
L x W x H	50" x 25" x 49"
HEPA Filter	Standard



Installation Kit
 12" Ø inlet
 Oil drain hose 10'
 suction hose 5'
 machine adaptor, chip strainer

[099AKI-0004](#)



Pillar Stand







One piece, 6, 7 or 8 ft.
 Powder coated black.

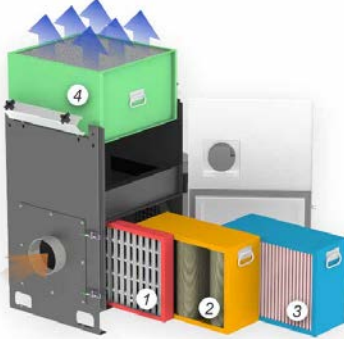
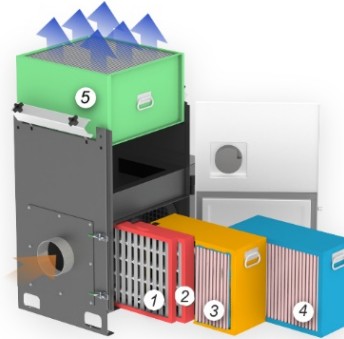
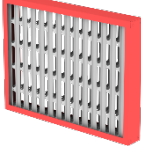
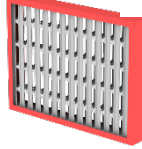

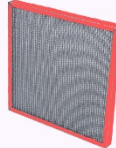


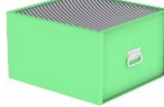

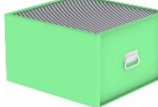
[099AMP-0002](#)



Wall Mount

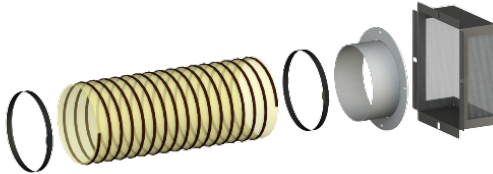
[099AMW-0003](#)

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 460/3/60</p> <p>099EMS-1023 099EMS-1043</p>	 <p>VFD Motor Starter NEMA 1, programmed. 230/3/60 460/3/60</p> <p>099EMS-1123 099EMS-1143</p>
 <p>Motor Starter Panel NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60 460/3/60</p> <p>099EMS-3023 099EMS-3043</p>	 <p>VFD Motor Starter Panel NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light. IP 20 VFD, programmed. 230/3/60 460/3/60</p> <p>099EMS-7023 099EMS-7043</p>
 <p>Wire Kit VFD rated cable, 30 ft, Strain reliefs (4)</p> <p>099EMS-E003</p>	 <p>VFD Motor Starter NEMA 4X, programmed. 230/3/60 460/3/60</p> <p>099EMS-6023 099EMS-6043</p>

<p>Filters for Coolant</p> 	<p>Filters for Oil</p> 
 <p>1st stage “ME” Mechanical Element A20FMS-0001 Typical life 20 years +</p>	 <p>1st stage “ME” Mechanical Element A20FMS-0001 Typical life 20 years +</p>
 <p>2nd stage “AF” Coolant Filter A20FAF-0001 Typical life 10 years +</p>	 <p>2nd stage “DE” Demister Element A20FDE-0002 Typical life 10 years +</p>
 <p>3rd stage “CM” Coolant Mist Filter A20FCM-0004 Typical life 1 - 3 years</p>	 <p>3rd Stage “OM#5” Oil Mist Fibre Bed Filter A20FOM-0005 Typical life 1 - 3 years</p>
 <p>4th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Typical life 2 - 4 years</p>	 <p>4th Stage “OM#7” Oil Mist Fibre Bed Filter A20FOM-0007 Typical life 2 - 4 years</p>
	 <p>5th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Typical life 2 - 4 years</p>

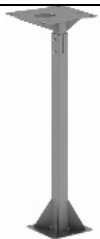
ARO-2500

Air Flow	2300-2700 cfm
Machine Tool Enclosure	Up to 3000 ft ³
Recommended Volume	
Motor	5 hp
Voltage (Amps)	230/3/60 (11.5) 460/3/60 (5.8)
Inlet Connection (standard)	12" Ø
Sound	74 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	605 lbs
L x W x H	55" x 25" x 50"
HEPA Filter	Standard



Installation Kit
 12" Ø inlet
 Oil drain hose 10'
 suction hose 5'
 machine adaptor, chip strainer







099AKI-0004



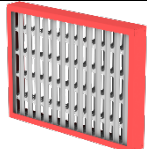
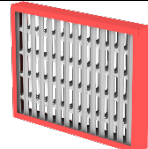




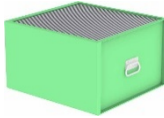

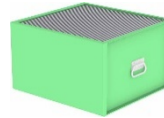


Pillar Stand

One piece, 6, 7 or 8 ft.
 Powder coated black.

099AMP-0003

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 460/3/60</p> <p>099EMS-1025 099EMS-1045</p>	 <p>VFD Motor Starter NEMA 1, programmed 230/3/60 460/3/60</p> <p>099EMS-1125 099EMS-1145</p>
 <p>Motor Starter Panel NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60 460/3/60</p> <p>099EMS-3025 099EMS-3045</p>	 <p>VFD Motor Starter Panel NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light. IP 20 VFD, programmed. 230/3/60 460/3/60</p> <p>099EMS-7025 099EMS-7045</p>
 <p>Wire Kit VFD rated cable, 30 ft, Strain reliefs (4)</p> <p>099EMS-E004</p>	 <p>VFD Motor Starter NEMA 4X, programmed. 230/3/60 460/3/60</p> <p>099EMS-6025 099EMS-6045</p>

<p>Filters for Coolant</p> 	<p>Filters for Oil</p> 
 <p>1st stage “ME” Mechanical Element A20FMS-0001 Typical life 20 years +</p>	 <p>1st stage “ME” Mechanical Element A20FMS-0001 Typical life 20 years +</p>
 <p>2nd stage “AF” Coolant Filter A20FAF-0001 Typical life 10 years +</p>	 <p>2nd stage “DE” Demister Element A20FDE-0002 Typical life 10 years +</p>
 <p>3rd stage “CM” Coolant Mist Filter A20FCM-0004 Typical life 1 - 3 years</p>	 <p>3rd Stage “OM#5” Oil Mist Fibre Bed Filter A20FOM-0005 Typical life 1 - 3 years</p>
 <p>4th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Note: Qty 2 Typical life 2 - 4 years</p>	 <p>4th Stage “OM#7” Oil Mist Fibre Bed Filter A20FOM-0007 Typical life 2 - 4 years</p>
	 <p>5th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 Note: Qty 2 Typical life 2 - 4 years</p>







ARO-4000

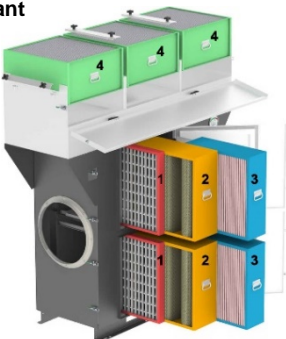

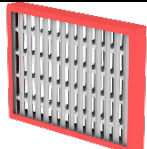
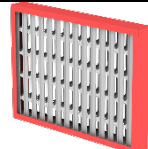







Air Flow	3400-4100 cfm
Machine Tool Enclosure	Up to 4000 ft ³
Recommended Volume	
Motor	7.5 hp
Voltage (Amps)	230/3/60 (17)
	460/3/60 (8.5)
Inlet Connection (standard)	18" Ø
Sound	74 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	1200 lbs
L x W x H	74" x 25" x 79"
HEPA Filter	Standard


Stand

32" Tall
Powder coated black

P/N: 099AMP-0004

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 460/3/60</p> <p>099EMS-1027 099EMS-1047</p>	 <p>VFD Motor Starter NEMA 1, programmed 460/3/60</p> <p>099EMS-1147</p>
 <p>Motor Starter Panel NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60 460/3/60</p> <p>099EMS-3027 099EMS-3047</p>	 <p>VFD Motor Starter Panel NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light. IP 20 VFD, programmed. 230/3/60 460/3/60</p> <p>099EMS-7027 099EMS-7047</p>
 <p>Wire Kit VFD rated cable, 30 ft, Strain reliefs (4)</p> <p>099EMS-E005</p>	 <p>VFD Motor Starter NEMA 4X, programmed. 460/3/60</p> <p>099EMS-6047</p>

<p>Filters for Coolant</p> 	<p>Filters for Oil</p> 
 <p>1st stage “ME” Mechanical Element A20FMS-0001 <i>Note: Qty 2</i> <i>Typical life 20 years +</i></p>	 <p>1st stage “ME” Mechanical Element A20FMS-0001 <i>Note: Qty 2</i> <i>Typical life 20 years +</i></p>
 <p>2nd stage “AF” Coolant Filter A20FAF-0001 <i>Note: Qty 2</i> <i>Typical life 10 years +</i></p>	 <p>2nd stage “DE” Demister Element A20FDE-0002 <i>Note: Qty 2</i> <i>Typical life 10 years +</i></p>
 <p>3rd stage “CM” Coolant Mist Filter A20FCM-0004 <i>Note: Qty 2</i> <i>Typical life 1 - 3 years</i></p>	 <p>3rd Stage “OM#5” Oil Mist Fibre Bed Filter A20FOM-0005 <i>Note: Qty 2</i> <i>Typical life 1 - 3 years</i></p>
 <p>4th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 <i>Note: Qty 3</i> <i>Typical life 2 - 4 years</i></p>	 <p>4th Stage “OM#7” Oil Mist Fibre Bed Filter A20FOM-0007 <i>Note: Qty 2</i> <i>Typical life 2 - 4 years</i></p>
	 <p>5th stage “HF” HEPA Filter 95% 2000HF-2095 99.97% 2000HF-2099 Odor-Rid 2000HF-3095 <i>Note: Qty 3</i> <i>Typical life 2 - 4 years</i></p>

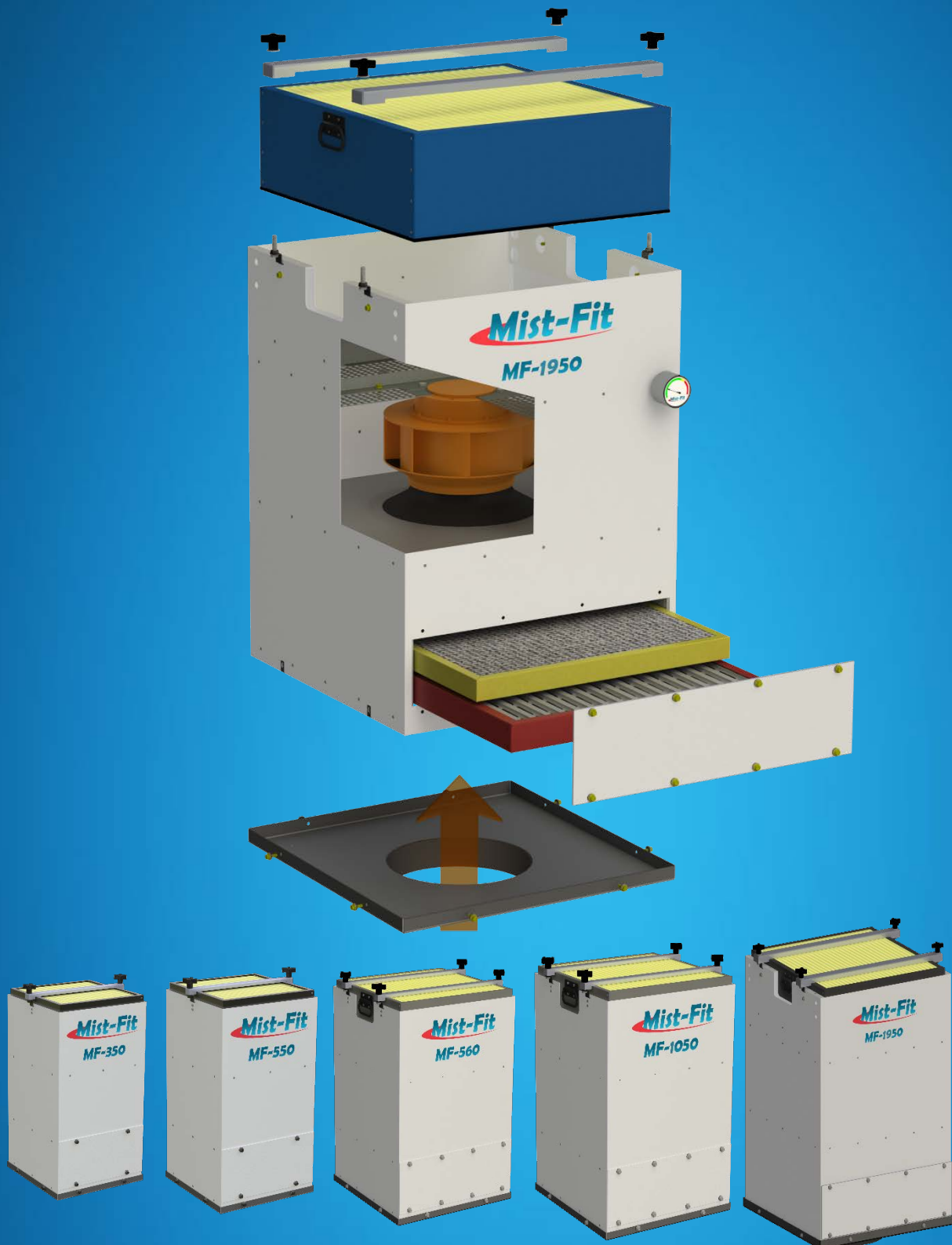




ARO-2500
Suspended
Ducted to 7 machines



Mist-Fit Series Mist Collectors



The Mist-Fit Advantage

- Compact
- Economical
- The lowest priced Fibre Bed mist collector on the market
- Filter life of 2 years plus
- Optional HEPA filter for smoke and absolutely clean air
- Simple to mount, many mounting options.

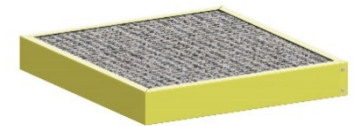
Mist-Fit Filters Explained

Compact and big on performance.

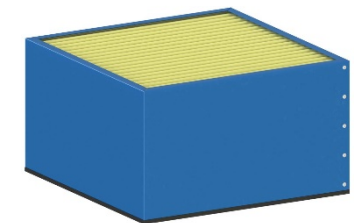
The innovative **1st stage** Mechanical Element separates up to 90% of the oil mist and swarf. The smooth metal surfaces quickly drain fluid back to the sump. Washable. *Typical life 20 years*



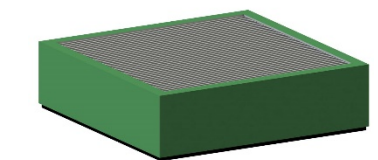
The **2nd stage** demister element supports the 1st stage to ensure up to 95% of the mist and swarf are removed. Washable. *Typical life 20 years*



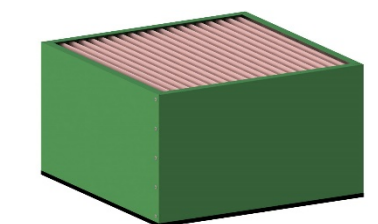
The **3rd stage** Fibre Bed mist filter is depth loading that capture small mist particles. With a filter rating of MERV 15, it can be used without a HEPA filter on most applications. *Typical life 1 – 3 years.*



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



Optional: **4th stage** Odor-Rid filter
Combination filter consisting of HEPA filter 95% and carbon filter media. For odor reduction.





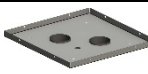



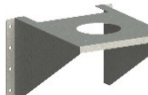




Specifications	MF-350	MF-550	MF-560	MF-1050	MF-1950
Air Flow	300-400 cfm	500-600 cfm	500 – 600 cfm	900 – 1100 cfm	1900 – 2000 cfm
Machine Tool Enclosure Recommended Volume	Up to 125 ft ³	Up to 250 ft ³	Up to 250 ft ³	Up to 450 ft ³	Up to 2,000 ft ³
Motor	0.5 hp	0.75 hp	0.75 hp	1.5 hp	3 hp
Voltage (Amps)	115/1/60 (3.0) 220/1/60 (1.5) 230/3/60 (0.93) 460/3/60 (0.56)	115/1/60 (4.9) 220/1/60 (2.5) 230/3/60 (1.57) 460/3/60 (0.95)	115/1/60 (4.9) 220/1/60 (2.5) 230/3/60 (1.57) 460/3/60 (0.95)	230/3/60 (2.7) 460/3/60 (1.6)	230/3/60 (6.0) 460/3/60 (3.3)
Inlet Connection (Standard)	6" Ø	6" Ø	6" Ø	8" Ø	12" Ø
Sound	66 dB(A)	68 dB(A)	68 dB(A)	69 dB(A)	72 dB(A)
Coolant 30 psi	✓	✓	✓	✓	✓
Coolant 500 psi	✓	✓	✓	✓	✓
Coolant 1000 psi	✓	✓	✓	✓	✓
Coolant 3000 psi		✓	✓	✓	✓
Oil 30 psi	✓	✓	✓	✓	
Oil 500 psi	✓	✓	✓	✓	
Oil 1000 psi			✓		
Heavy Smoke			✓		
pH limit	5.8 - 9.8	5.8 - 9.8	5.8 - 9.8	5.8 - 9.8	5.8 - 9.8
Temp limit	50 °C / 125 °F	50 °C / 125 °F	50 °C / 125 °F	50 °C / 125 °F	50 °C / 125 °F

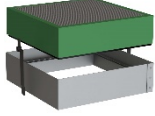
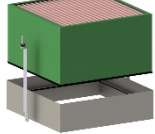
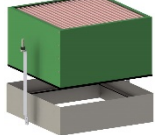
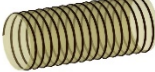


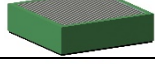
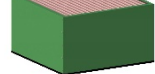
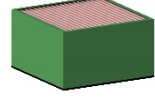
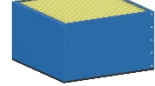
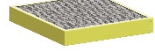

MF-350

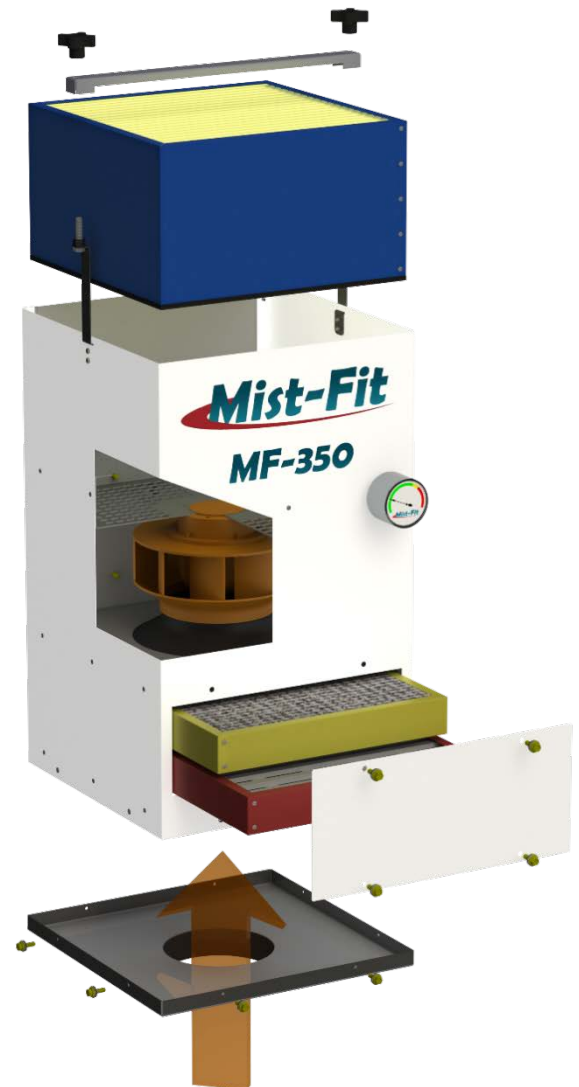
Air Flow	300-400 cfm
Machine Tool Enclosure	Up to 125 ft ³
Recommended Volume	
Motor	0.5 hp
Voltage (Amps)	115/1/60 (3.0) 220/1/60 (1.5) 230/3/60 (0.93) 460/3/60 (0.56)
Inlet Connection (standard)	6" Ø
Sound	66 dB(A)
Coolant	30 – 1000 psi
Oil	30 – 500 psi
pH limit	5.8 – 9.8
Temp limit	50 °C / 125 °F
Weight	65 lbs
L x W x H	15" x 15" x 26"
HEPA Filter	Optional



	Stand Height 11" Suction hose required MF55-B002		Blank Base Plate For custom inlet cut on site MF55-B008
	Side Mount MF55-B003		
		Optional Base Plates 4" Ø inlet 4" Ø with drain 2 x 4" Ø with drain 6" Ø with drain MF55-B009 MF55-BD09 MF55-BD10 MF55-BD10	
	Pedestal Height 8" MF55-B004		Tsugami Mounts to existing flange MF55-B012
	Offset Pedestal Height 8" MF55-B005		Wall Mount Suction hose required MF55-B006
	Suspension Kit Suction hose required MF55-B007		Floor stand Adjustable 6 – 8 ft Galvanized steel Suction hose required MF55-B219

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 115/1/60 MF35-E115 220/1/60 MF35-E220 230/3/60 MF35-E230 460/3/60 MF35-E460</p>	 <p>VFD Motor Starter NEMA 1 Techtop, programmed. 115/1/60 MF35-V115 220/1/60 MF35-V220 230/3/60 MF35-V230 460/3/60 MF35-V460</p>
	 <p>Wire Kit MF55-E001 VFD rated cable, 20 ft, Strain reliefs (4)</p>





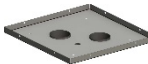



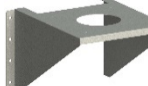


	<p>HEPA Filter Kit 4" c/w HEPA filter 95% MF55-A020</p>
	<p>HEPA Filter Kit 8" c/w HEPA filter 99.97% MF55-A021</p>
	<p>Odor-Rid Filter Kit 8" c/w Odor-Rid filter MF55-A021</p>
	<p>Chip Strainer 6.5' x 8" x 3.25" ht MF55-A011</p>
	<p>Suction Hose 6" Ø sold by foot MF55-A012</p>
	<p>Hose clamp Set of 2 6" Ø MF55-A013</p>
	<p>Machine Adaptor 6" Ø MF55-A014</p>
	<p>Spare 4th Stage HEPA Filter 4" 95% MF55-F004</p>
	<p>Spare 4th Stage HEPA Filter 8" 99.9% MF55-F005</p>
	<p>Spare 4th Stage Odor-Rid Filter 8" MF55-F009</p>
	<p>Spare 3rd Stage Fibre Bed Filter MF55-F007</p>
	<p>Spare 2nd Stage Demister Element MF55-F002</p>
	<p>Spare 1st Stage Mechanical Element MF55-F001</p>




MF-550

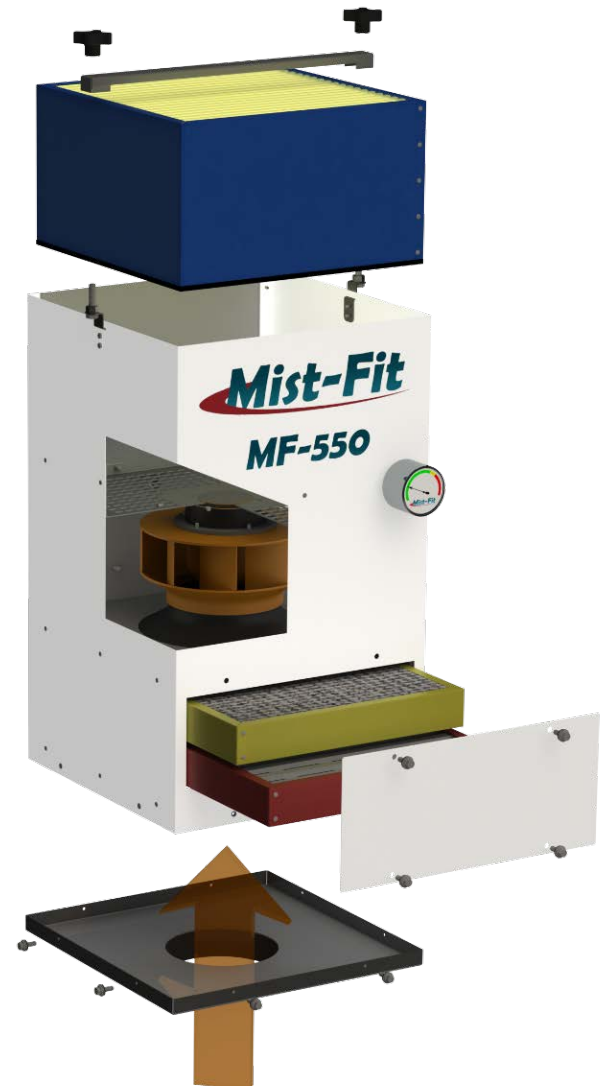
Air Flow	500-600 cfm
Machine Tool Enclosure	Up to 250 ft ³
Recommended Volume	
Motor	0.75 hp
Voltage (Amps)	115/1/60 (4.9) 220/1/60 (2.5) 230/3/60 (1.57) 460/3/60 (0.95)
Inlet Connection (standard)	6" Ø
Sound	68 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 500 psi
pH limit	5.8 – 9.8
Temp limit	50 °C / 125 °F
Weight	65 lbs
L x W x H	15" x 15" x 26"
HEPA Filter	Optional



 Stand Height 11" Suction hose required MF55-B002	 Blank Base Plate For custom inlet cut on site Example of custom inlet cut.  MF55-B008
 Side Mount MF55-B003	 Optional Base Plates 4" Ø inlet MF55-B009 4" Ø with drain MF55-BD09 2 x 4" Ø with drain MF55-BD10 6" Ø with drain MF55-BD10
 Pedestal Height 8" MF55-B004	 Tsugami Mounts to existing flange MF55-B012
 Offset Pedestal Height 8" MF55-B005	 Wall Mount Suction hose required MF55-B006
 Suspension Kit Suction hose required MF55-B007	 Floor stand Adjustable 6 – 8 ft Galvanized steel Suction hose required MF55-B219

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 115/1/60 MF55-E115 220/1/60 MF55-E220 230/3/60 MF55-E230 460/3/60 MF55-E460</p>	 <p>VFD Motor Starter NEMA 1 Techtop, programmed. 115/1/60 MF55-V115 220/1/60 MF55-V220 230/3/60 MF55-V230 460/3/60 MF55-V460</p>
	 <p>Wire Kit MF55-E001 VFD rated cable, 20 ft, Strain reliefs (4)</p>

	<p>HEPA Filter Kit 4" c/w HEPA filter 95% MF55-A020</p>
	<p>HEPA Filter Kit 8" c/w HEPA filter 99.9% MF55-A021</p>
	<p>Odor-Rid Filter Kit 8" c/w Odor-Rid filter MF55-A021</p>
	<p>Chip Strainer 6.5' x 8" x 3.25" ht MF55-A011</p>
	<p>Suction Hose 6" Ø MF55-A012 sold by foot</p>
	<p>Hose clamp Set of 2 6" Ø MF55-A013</p>
	<p>Machine Adaptor 6" Ø MF55-A014</p>
	<p>Spare 4th Stage HEPA Filter 4" 95% MF55-F004</p>
	<p>Spare 4th Stage HEPA Filter 8" 99.9% MF55-F005</p>
	<p>Spare 4th Stage Odor-Rid Filter 8" MF55-F009</p>
	<p>Spare 3rd Stage Fibre Bed Filter MF55-F007</p>
	<p>Spare 2nd Stage Demister Element MF55-F002</p>
	<p>Spare 1st Stage Mechanical Element MF55-F001</p>


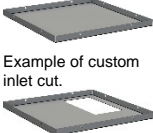

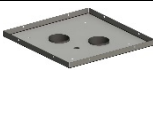


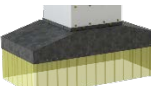
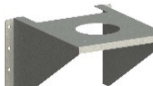




MF-560

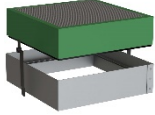
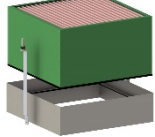




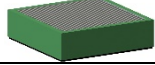
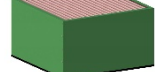
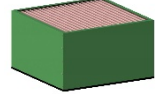
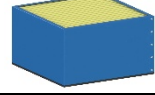

for Swiss type machines and demanding applications

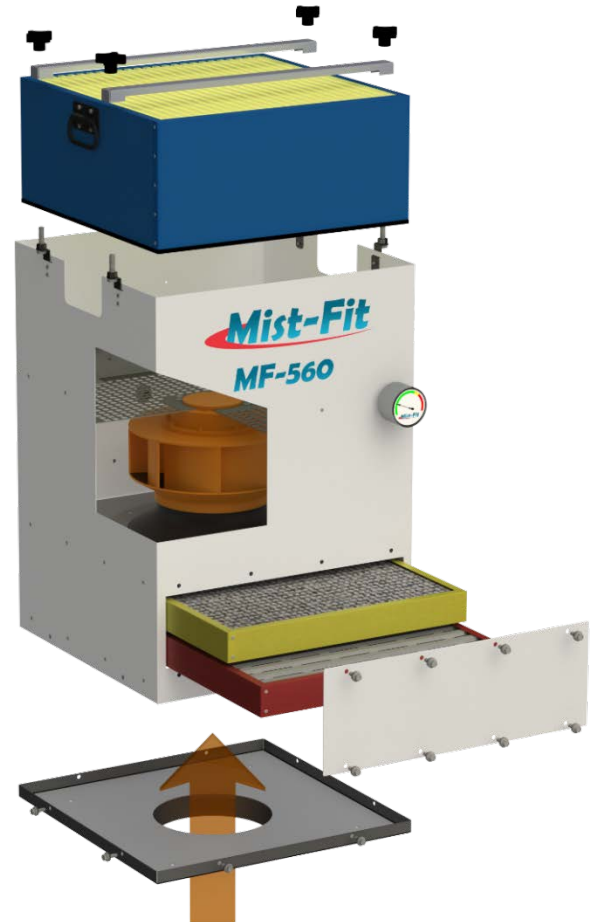
Air Flow	500-600 cfm
Machine Tool Enclosure	Up to 250 ft ³
Recommended Volume	
Motor	0.75 hp
Voltage (Amps)	115/1/60 (4.9) 220/1/60 (2.5) 230/3/60 (1.57) 460/3/60 (0.95)
Inlet Connection (standard)	6" Ø
Sound	68 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 1000 psi
pH limit	5.8 – 9.8
Temp limit	50 °C / 125 °F
Weight	96 lbs
L x W x H	20" x 20" x 28"
HEPA Filter	Optional



 <p>Stand Height 13" Suction hose required</p> <p>MF10-B002</p>	 <p>Blank Base Plate For custom inlet cut on site</p> <p>MF10-B008</p> <p>Example of custom inlet cut.</p>
 <p>Side Mount</p> <p>MF10-B003</p>	 <p>Optional Base Plates 4" Ø inlet 4" Ø with drain 2 x 4" Ø with drain 6" Ø with drain</p> <p>MF10-B009 MF10-BD09 MF10-BD11 MF10-BD10</p>
 <p>Pedestal Height 8"</p> <p>MF10-B004</p>	 <p>Tsugami Mounts to existing flange</p> <p>MF10-B012</p>
 <p>Hood 2' x 6' Curtain</p> <p>MF10-H001 MF10-HC01</p>	 <p>Wall Mount Suction hose required</p> <p>MF10-B006</p>
 <p>Suspension Kit Suction hose required</p> <p>MF10-B007</p>	 <p>Floor stand Adjustable 6 – 8 ft Galvanized steel Suction hose required</p> <p>MF10-B219</p>

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 115/1/60 MF55-E115 220/1/60 MF55-E220 230/3/60 MF55-E230 460/3/60 MF55-E460</p>	 <p>VFD Motor Starter NEMA 1 Techtop, programmed. 115/1/60 MF55-V115 220/1/60 MF55-V220 230/3/60 MF55-V230 460/3/60 MF55-V460</p>
	 <p>Wire Kit MF55-E001 VFD rated cable, 20 ft, Strain reliefs (4)</p>


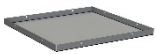


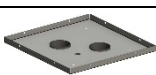


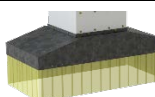
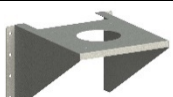


	<p>HEPA Filter Kit 4" c/w HEPA filter 95% MF10-A020</p>
	<p>HEPA Filter Kit 8" c/w HEPA filter 99.9% MF10-A021</p>
	<p>Odor-Rid Filter Kit 8" c/w Odor-Rid filter MF10-A021</p>
	<p>Chip Strainer 6.5' x 8" x 3.25" ht MF55-A011</p>
	<p>Suction Hose 6" Ø sold by foot MF55-A012</p>
	<p>Hose clamp Set of 2 6" Ø MF55-A013</p>
	<p>Machine Adaptor 6" Ø MF55-A014</p>
	<p>Spare 4th Stage HEPA Filter 4" 95% MF10-F004</p>
	<p>Spare 4th Stage HEPA Filter 8" 99.9% MF10-F005</p>
	<p>Spare 4th Stage Odor-Rid Filter 8" MF10-F009</p>
	<p>Spare 3rd Stage Fibre Bed Filter MF10-F007</p>
	<p>Spare 2nd Stage Demister Element MF10-F002</p>
	<p>Spare 1st Stage Mechanical Element MF10-F001</p>




MF-1050

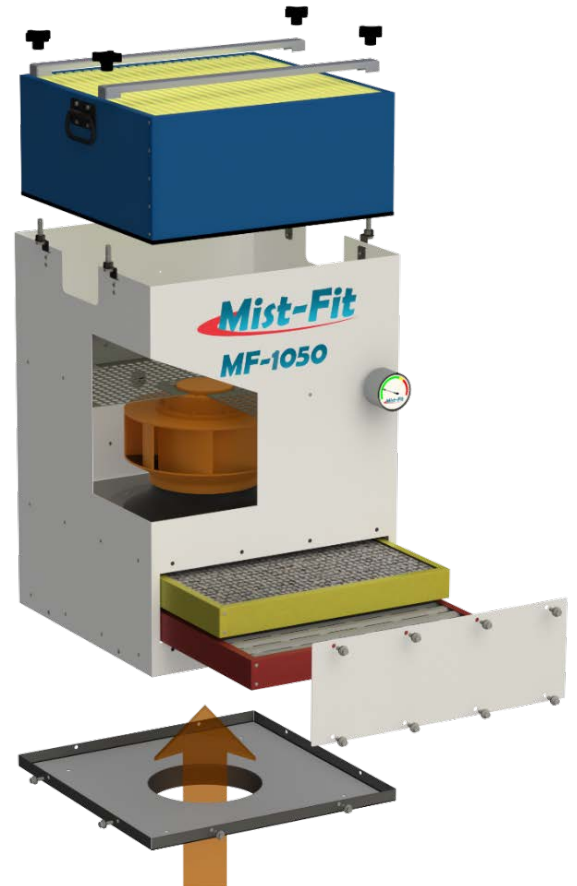
Air Flow	900-1100 cfm
Machine Tool Enclosure	Up to 450 ft ³
Recommended Volume	
Motor	1.5 hp
Voltage (Amps)	230/3/60 (2.7)
	460/3/60 (1.6)
Inlet Connection (standard)	8" Ø
Sound	69 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 500 psi
pH limit	5.8 – 9.8
Temp limit	50 °C / 125 °F
Weight	98 lbs
L x W x H	15" x 15" x 26"
HEPA Filter	Optional



 <p>Stand Height 13" Suction hose required</p> <p>MF10-B002</p>	 <p>Blank Base Plate For custom inlet cut on site</p> <p>MF10-B008</p> <p>Example of custom inlet cut.</p> 
 <p>Side Mount</p> <p>MF10-B003</p>	 <p>Optional Base Plates 6" Ø with drain 8" Ø with drain 2 x 6" Ø with drain 6" + 8" Ø with drain</p> <p>MF10-BD10 MF10-BD01 MF10-BD13 MF10-BD15</p>
 <p>Pedestal Height 8"</p> <p>MF10-B004</p>	 <p>Tsugami Mounts to existing flange</p> <p>MF10-B012</p>
 <p>Hood 2' x 6' Curtain</p> <p>MF10-H001 MF10-HC01</p>	 <p>Wall Mount Suction hose required</p> <p>MF10-B006</p>
 <p>Suspension Kit Suction hose required</p> <p>MF10-B007</p>	 <p>Floor stand Adjustable 6 – 8 ft Galvanized steel Suction hose required</p> <p>MF10-B219</p>

 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 MF10-E230 460/3/60 MF10-E460</p>	 <p>VFD Motor Starter NEMA 1 Techtop, programmed. 115/1/60 MF10-V115 220/1/60 MF10-V220 230/3/60 MF10-V230 460/3/60 MF10-V460</p>
	 <p>Wire Kit MF10-E001 VFD rated cable, 20 ft, Strain reliefs (4)</p>




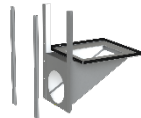
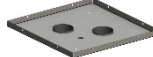

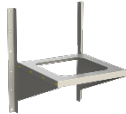


	<p>HEPA Filter Kit 4" c/w HEPA filter 95% MF10-A020</p>
	<p>HEPA Filter Kit 8" c/w HEPA filter 99.9% MF10-A021</p>
	<p>Odor-Rid Filter Kit 8" c/w Odor-Rid filter MF10-A021</p>
	<p>Chip Strainer 8" x 10" x 4" ht MF10-A011</p>
	<p>Suction Hose 8" Ø sold by foot MF10-A012</p>
	<p>Hose clamp Set of 2 8" Ø MF10-A013</p>
	<p>Machine Adaptor 8" Ø MF10-A014</p>
	<p>Spare 4th Stage HEPA Filter 4" 95% MF10-F004</p>
	<p>Spare 4th Stage HEPA Filter 8" 99.9% MF10-F005</p>
	<p>Spare 4th Stage Odor-Rid Filter 8" MF10-F009</p>
	<p>Spare 3rd Stage Fibre Bed Filter MF10-F007</p>
	<p>Spare 2nd Stage Demister Element MF10-F002</p>
	<p>Spare 1st Stage Mechanical Element MF10-F001</p>






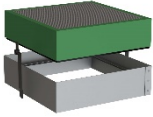
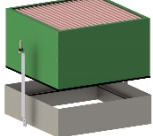
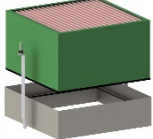

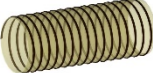


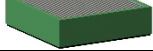
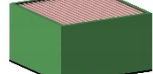
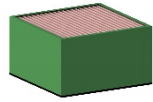

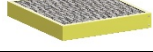

MF-1950

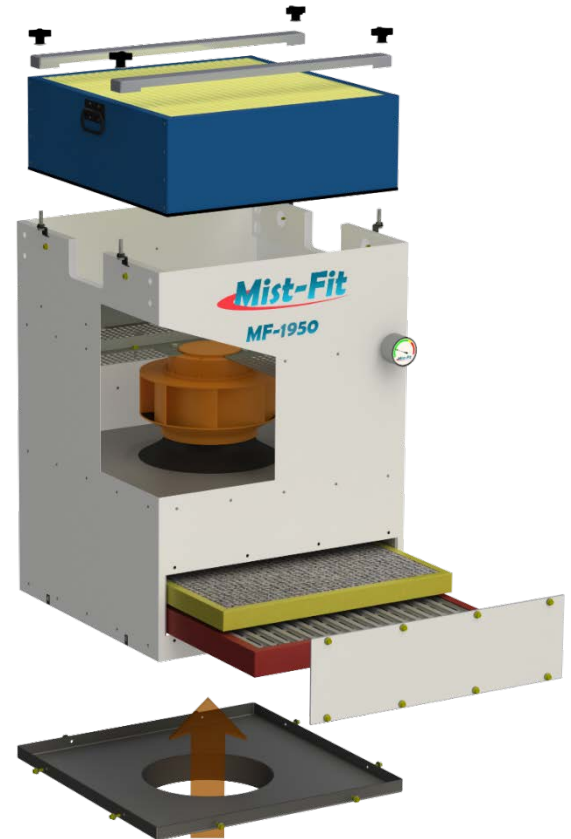
Air Flow	1900-2000 cfm
Machine Tool Enclosure	Up to 2000 ft ³
Recommended Volume	
Motor	3.0 hp
Voltage (Amps)	230/3/60 (6.0) 460/3/60 (3.3)
Inlet Connection (standard)	12" Ø
Sound	72 dB(A)
Coolant	30 – 3000 psi
Oil	Not Recommended <i>See ARO-2000</i>
pH limit	5.8 – 9.8
Temp limit	50 °C / 125 °F
Weight	270 lbs
L x W x H	25" x 25" x 36"
HEPA Filter	Optional









 Stand Height 23" Suction hose required MF19-B002	 Blank Base Plate For custom inlet cut on site MF19-B008 
 Side Mount MF19-B003	 Optional Base Plates 12" Ø with drain MF19-BD01 2 x 8" Ø with drain MF19-BD17
 Hood 2' x 6' Curtain MF19-H001 MF19-HC01	 Wall Mount Suction hose required MF19-B006
 Suspension Kit Suction hose required MF19-B007	 Floor stand Adjustable 6 – 8 ft Galvanized steel Suction hose required MF19-B019

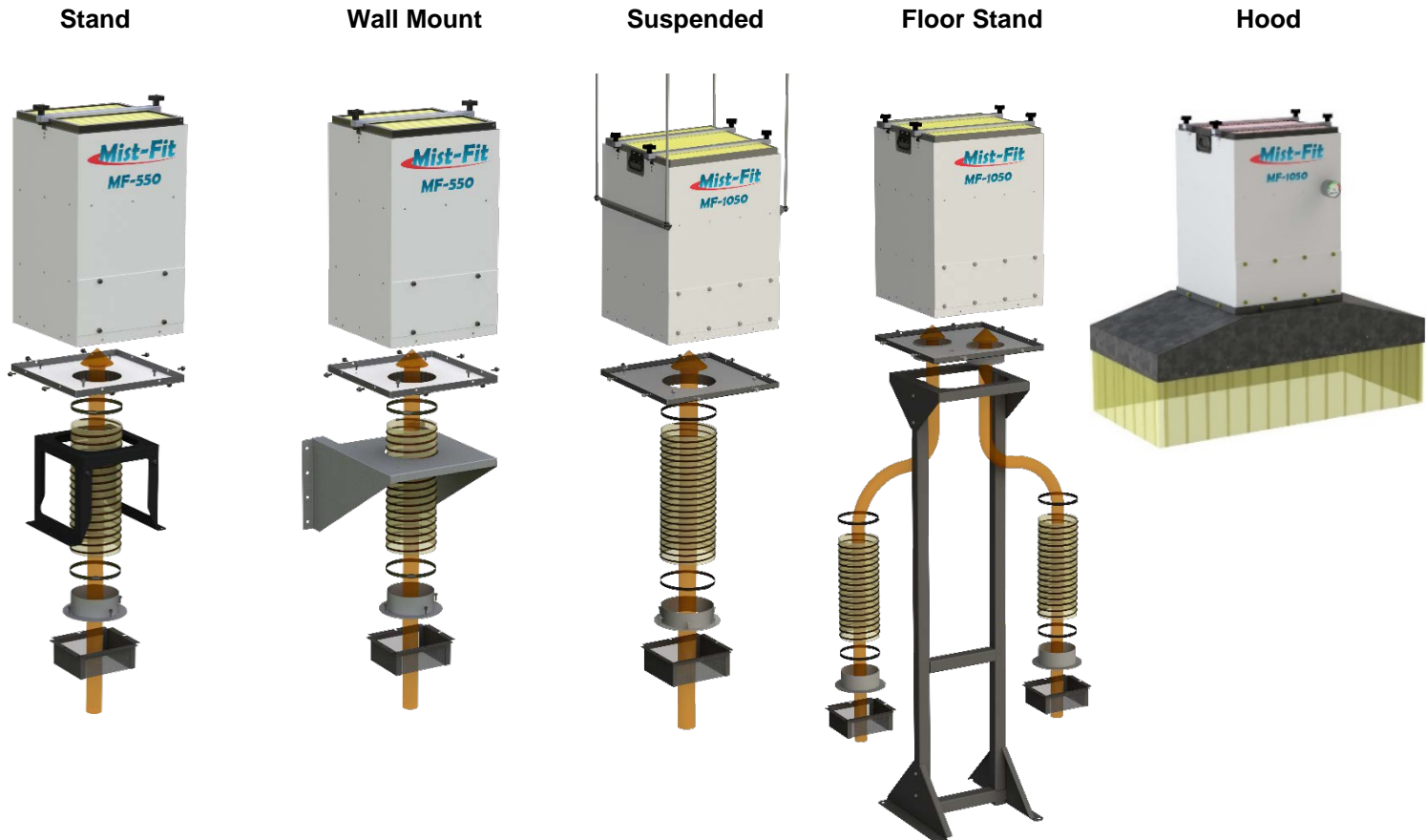
 <p>Motor Starter Panel NEMA 12 Basic start/stop, overloads 230/3/60 MF19-E230 460/3/60 MF19-E460</p>	 <p>VFD Motor Starter NEMA 1 Techtop, programmed. 230/3/60 MF19-V230 460/3/60 MF19-V460</p>
	 <p>Wire Kit MF19-E001 VFD rated cable, 30 ft, Strain reliefs (4)</p>

	<p>HEPA Filter Kit 4" c/w HEPA filter 95% MF19-A020</p>
	<p>HEPA Filter Kit 8" c/w HEPA filter 99.9% MF19-A021</p>
	<p>Odor-Rid Filter Kit 8" c/w Odor-Rid filter MF19-A021</p>
	<p>Chip Strainer 12" x 14" x 4" ht MF19-A011</p>
	<p>Suction Hose 12" Ø sold by foot MF19-A012</p>
	<p>Hose clamp Set of 2 12" Ø MF19-A013</p>
	<p>Machine Adaptor 12" Ø MF19-A014</p>
	<p>Spare 4th Stage HEPA Filter 4" 95% MF19-F004</p>
	<p>Spare 4th Stage HEPA Filter 8" 99.9% MF19-F005</p>
	<p>Spare 4th Stage Odor-Rid Filter 8" MF19-F009</p>
	<p>Spare 3rd Stage Fibre Bed Filter MF19-F007</p>
	<p>Spare 2nd Stage Demister Element MF19-F002</p>
	<p>Spare 1st Stage Mechanical Element MF19-F001</p>



Mounting Options

Direct Mount Base Plate 6" Ø Inlet Accessories > Chip strainer 	Direct Mount Blank Base Plate Custom cut on site Accessories > Chip strainer 	Optional Base Plates 
Side Mount Accessories > Chip strainer 	Pedestal Height 8" Accessories > Chip strainer 	Offset Height 8" Accessories > Chip strainer 





Side Mount



**Side mount
with HEPA filter**



Pedestal Mount



**Stand 11"
4" suction hose**





Testimonial

I can now see the machine operator!

RY Tool & Die is a privately owned machine shop near Niagara Falls, ON. Ted Liske, owner, purchased a Mist-Fit MF-550 for a lathe.

Installation took only a hour with the side mount option and the Mist-Fit was running.

Results were instant, Ted, quickly called Aeroex and the first thing he said
" I can now see the machine operator".

The operator reports that the air is noticeably cleaner and he no longer feels the effects of exposure to the coolant mist. Can't wait until all machines have Mist-Fit's !



Installation is simple and quick.

Cut 6" hole in cnc machine.

Drill bolt holes (9).

Fasten side mount to cnc machine.

Lift Mist-Fit onto side mount and fasten.

Connect to electrical power.

Testimonial

Factory supplied mist collector not cleaning air!

TCR MACHINING LTD. located in Burlington, Ontario, is equipped with the latest equipment and software, providing the flexibility and capability to offer customers a full range of services. TCR's main product is their **StripMeister** automatic wire stripping machines. A full range for stripping household to high voltage cables.



A new 5 axis milling machine was purchased with a factory installed mist collector. With very demanding machining combined with high pressure coolant, an oil mist haze could be seen throughout the 25,000 ft² plant.



The oil mist haze was totally unacceptable for owner Thomas Ruthmann. Thomas had Aeroex mist collectors in his plant and is very pleased, thus quickly called Aeroex for a solution. Aeroex's local sales engineer always has a Mist-Fit in his vehicle. After evaluation, a MF-550 with side mount was delivered from his vehicle, installed and running within 1 hour. Problem solved!

The filters in the Mist-Fit were inspected after 8 months of heavy machining. The HEPA filter was still like new, clean and dry. The primary filters were doing an amazing job at eliminating the fine mist & protecting the HEPA filter. The condition of the fibre bed filter was excellent, expected life is 2 – 3 years.

Installation using Side Mount is simple and quick.

- Cut 6" hole or square in cnc machine.
- Drill bolt holes (9).
- Fasten side mount to cnc machine.
- Lift Mist-Fit onto side mount and fasten.
- Connect to electrical power.

