

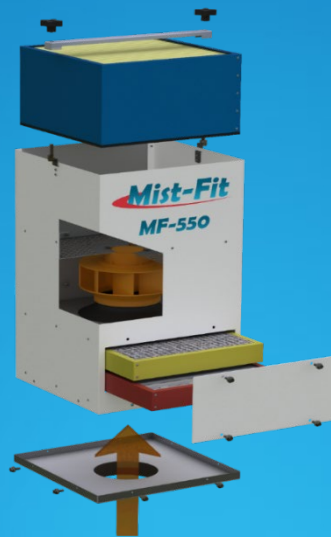


**MIST COLLECTORS**  
*NOTHING ESCAPES*

***ARO  
Series***



***Mist-Fit  
Series***



***IRIS  
Series***



***Long filter life***  
***Low operating costs***  
***Low maintenance***  
***Clean air***

## Oil Mist Limits

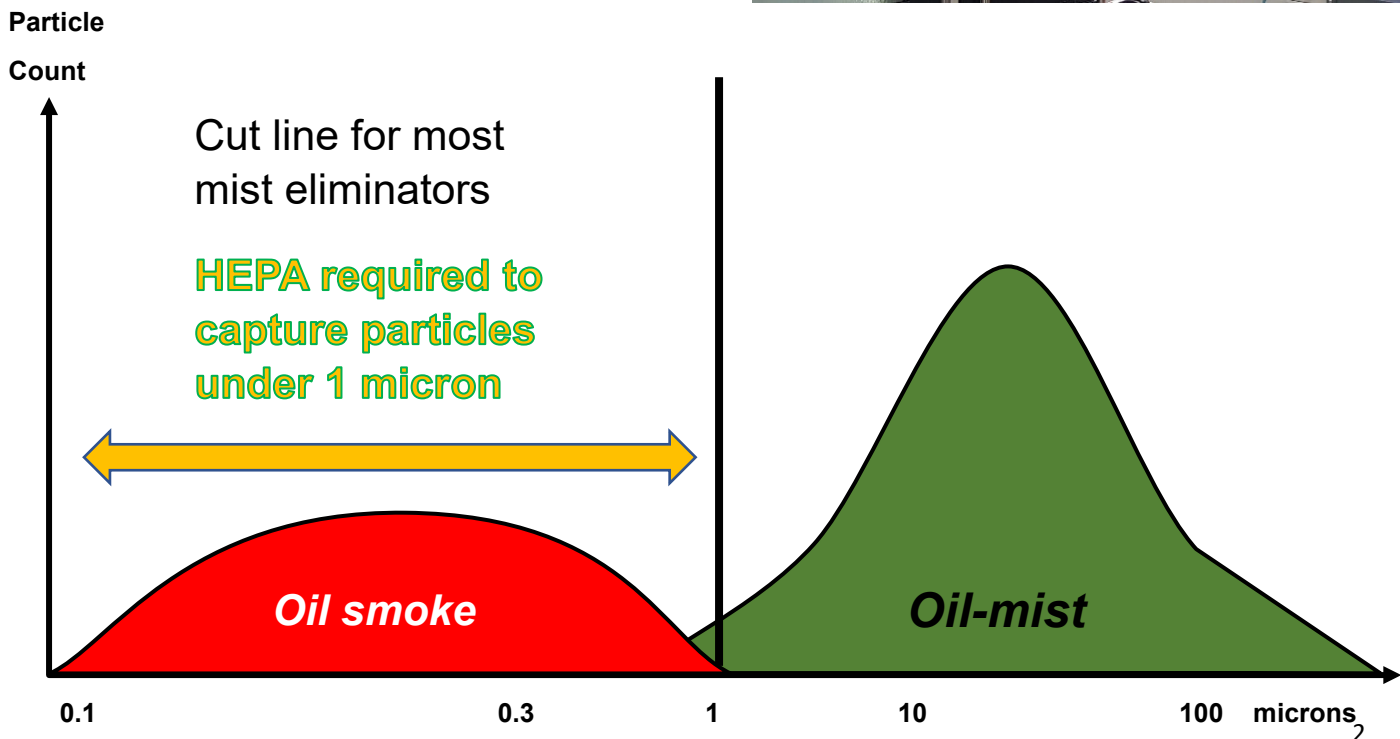
OSHA’s limit of 5.0 mg/m<sup>3</sup> is outdated and will almost guarantee health and safety concerns.

Most companies with H&S committees are setting exposure limits to 0.3 – 0.5 mg/m<sup>3</sup>, which is easily achieved with properly sized and maintained mist collectors.

OSHA Limit < 5.0 mg/m<sup>3</sup>

OSHA Recommended < 0.5 mg/m<sup>3</sup>

NIOSH Recommended < 0.4 mg/m<sup>3</sup>  
(time weighted average over 8 hrs.)



\*for drawings and manuals visit [www.aeroex.com/downloads](http://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 high X 6ft deep X 10ft long your machine enclosure volume is 300 cubic feet.*

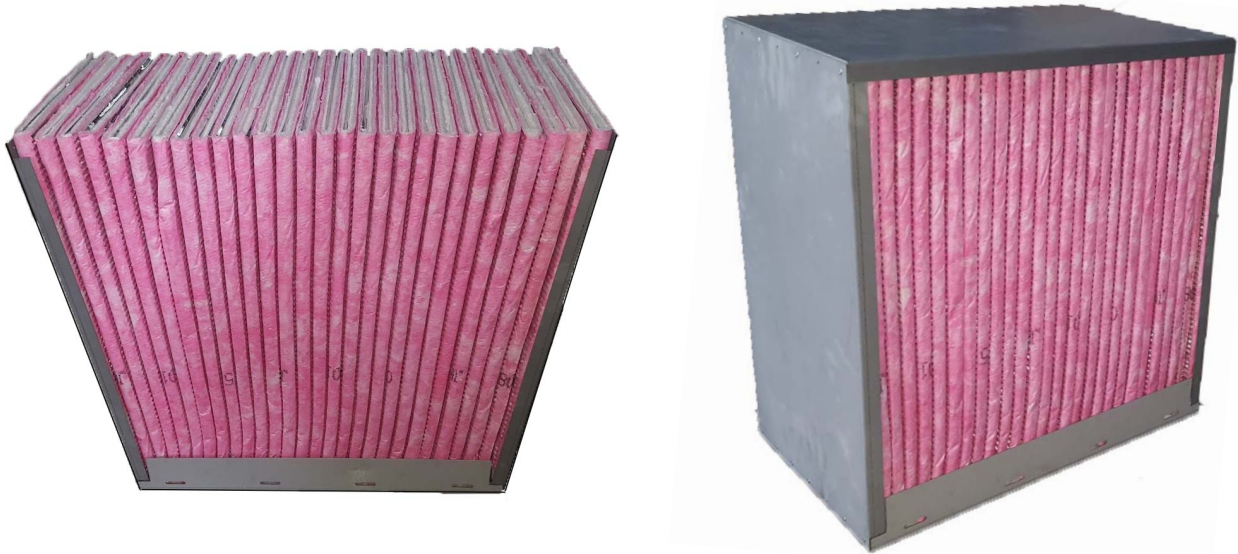
*Multiplying the enclosure by 3 shows an approximate requirement of 900 CFM.*

*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.

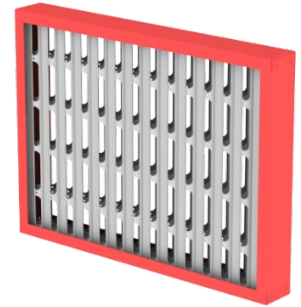


# ARO Series Mist Collectors



## Filter Technology

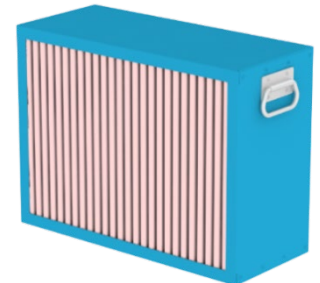
**The 1<sup>st</sup> stage:** Innovative mechanical elements separate 90 – 95% of the mist and solids. The smooth metal surfaces quickly drains fluid back to the sump. Washable. *Typical life is 20 years.*



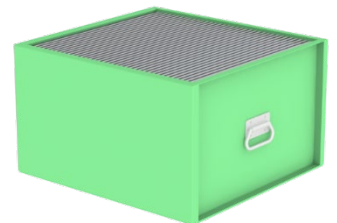
**The 2<sup>nd</sup> stage:** The agglomerator filter is unique, consisting of layers of stainless-steel wire mesh woven with oil attracting fibers. The media is very durable, lasting 10 – 15 years. Can be power washed.



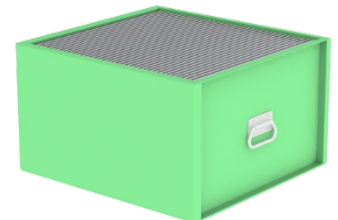
**The 3<sup>rd</sup> stage:** Fibre-bed filters have a high surface area, the technology used today by premium mist collectors. High efficiency, excellent drainage, long life. Coolant or oil filters have a typical life of 1 – 3 years.



**Final 4<sup>th</sup> 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  $\mu\text{m}$ . Standard for oil 99.97% @ 0.3  $\mu\text{m}$ . *Typical life is 2 – 4 years.*



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





# ARO-400

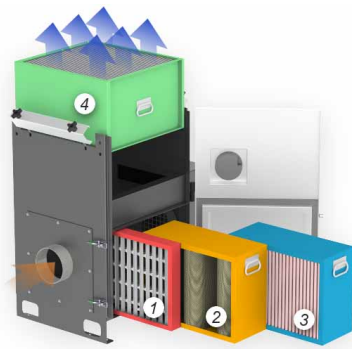

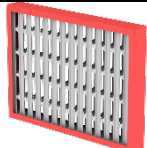
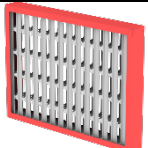

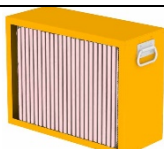


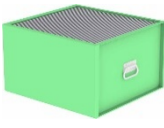

Air Flow	350-500 cfm
Machine Tool Enclosure	Up to 150 ft <sup>3</sup>
Recommended Volume	
Motor	1 hp
Voltage (Amps)	230/3/60 (3.2) 460/3/60 (1.6)
Inlet Connection (standard)	6" Ø
Sound	69 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	230 lbs
L x W x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



		<p><b>Installation Kit</b>          6" Ø inlet          Oil drain hose 10'          suction hose 6'          machine adaptor, chip strainer</p> <p>099AKI-0001</p>	
	<p><b>Pillar Stand</b></p> <p>One piece, 6, 7 or 8 ft.          Powder coated black.</p> <p>099AMP-0001</p>		<p><b>Wall Mount</b></p> <p>099AMW-0001</p>



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

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

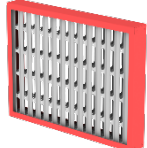
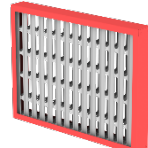






# ARO-600

Air Flow	650-750 cfm
Machine Tool Enclosure Recommended Volume	Up to 300 ft <sup>3</sup>
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



		<p><b>Installation Kit</b>              8" Ø inlet              Oil drain hose 10'              suction hose 6'              machine adaptor, chip strainer</p> <p><a href="#">099AKI-0002</a></p>
	<p><b>Pillar Stand</b></p> <p>One piece, 6, 7 or 8 ft.              Powder coated black.</p> <p><a href="#">099AMP-0001</a></p>	
		<p><b>Wall Mount</b></p> <p><a href="#">099AMW-0001</a></p>

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

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

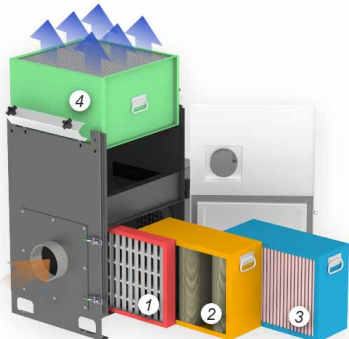
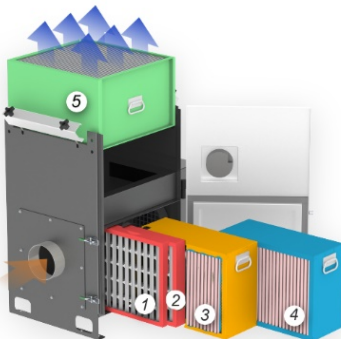
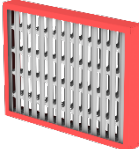
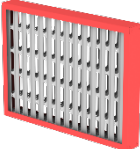




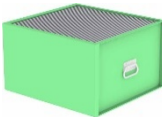

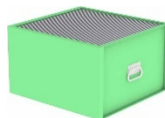
# ARO-1100

Air Flow	1100-1300 cfm
Machine Tool Enclosure Recommended Volume	Up to 450 ft <sup>3</sup>
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



		<p><b>Installation Kit</b>              8" Ø inlet              Oil drain hose 10'              suction hose 6'              machine adaptor, chip strainer</p> <p><a href="#">099AKI-0002</a></p>	
	<p><b>Pillar Stand</b></p> <p>One piece, 6, 7 or 8 ft.              Powder coated black.</p> <p><a href="#">099AMP-0002</a></p>		<p><b>Wall Mount</b></p> <p><a href="#">099AMW-0002</a></p>

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

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

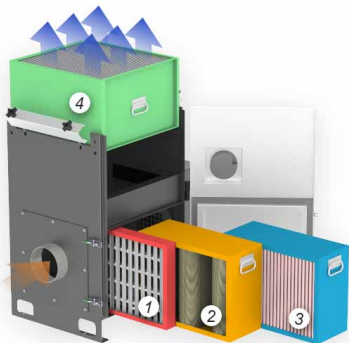
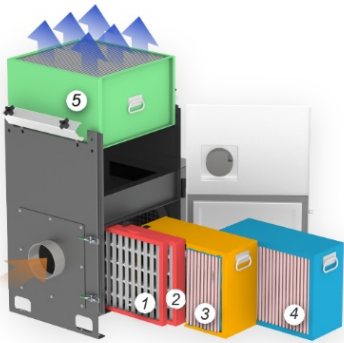
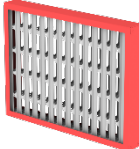
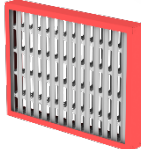




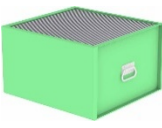

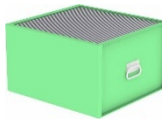
# ARO-1400

Air Flow	1400-1700 cfm
Machine Tool Enclosure	Up to 575 ft <sup>3</sup>
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



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

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

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

# ARO-2000

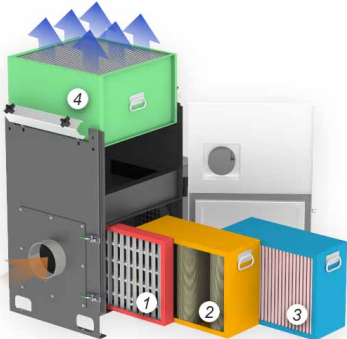
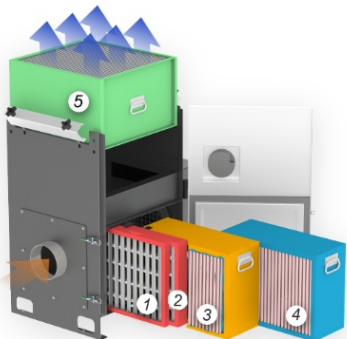
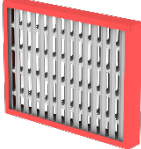
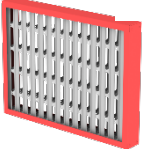




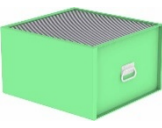

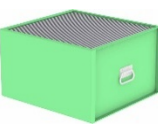
Air Flow	1800-2200 cfm
Machine Tool Enclosure	Up to 2000 ft <sup>3</sup>
Recommended Volume	
Motor	3 hp
Voltage (Amps)	230/3/60 (7.6) 460/3/60 (3.8)
Inlet Connection (standard)	12" Ø
Sound	71 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	390 lbs
L x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



		<p><b>Installation Kit</b>          12" Ø inlet          Oil drain hose 10'          suction hose 6'          machine adaptor, chip strainer</p> <p>099AKI-0004</p>	
	<p><b>Pillar Stand</b></p> <p>One piece, 6, 7 or 8 ft.          Powder coated black.</p> <p>099AMP-0002</p>		<p><b>Wall Mount</b></p> <p>099AMW-0003</p>



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

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

# ARO-2500

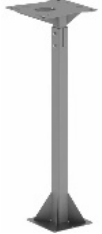
Air Flow	2300-2700 cfm
Machine Tool Enclosure Recommended Volume	Up to 3000 ft <sup>3</sup>
Motor	5 hp
Voltage (Amps)	230/3/60 (11.5)
	460/3/60 (5.8)
Inlet Connection (standard)	12" Ø
Sound	74 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 3000 psi
pH limit	5.8 - 12
Temp limit	70 °C / 160 °F
Weight	605 lbs
L x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





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







[099AKI-0004](#)



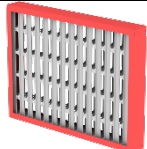
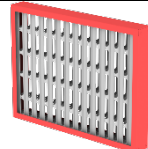

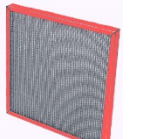


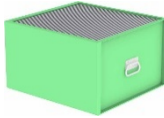

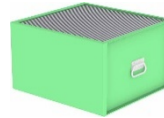


**Pillar Stand**

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

[099AMP-0003](#)

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

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

# ARO-4000

Air Flow	3400-4100 cfm
Machine Tool Enclosure Recommended Volume	Up to 4000 ft <sup>3</sup>
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



 <p>A photograph of a black metal stand designed for the ARO-4000 machine. It consists of a rectangular frame with four vertical legs and a top rail, providing a stable base for the machine.</p>	<p><b>Stand</b></p> <p>32" Tall Powder coated black</p> <p>P/N: 099AMP-0004</p>
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<p><b>Motor Starter Panel</b> NEMA 12 Basic start/stop, overloads 230/3/60    <a href="#">099EMS-1027</a> 460/3/60    <a href="#">099EMS-1047</a></p>	<p><b>VFD Motor Starter</b> NEMA 1, programmed 230/3/60    <a href="#">099EMS-1127</a> 460/3/60    <a href="#">099EMS-1147</a></p>
<p><b>Motor Starter Panel</b> NEMA 12 Fused disconnect switch, start/stop, overloads, pilot light. 230/3/60    <a href="#">099EMS-3027</a> 460/3/60    <a href="#">099EMS-3047</a></p>	<p><b>VFD Motor Starter Panel</b> NEMA 12. Fused disconnect switch, start/stop, overloads, pilot light. IP 20 VFD, programmed. 230/3/60    <a href="#">099EMS-7027</a> 460/3/60    <a href="#">099EMS-7047</a></p>
<p><b>VFD Motor Starter</b> NEMA 4X, programmed.  460/3/60    <a href="#">099EMS-6047</a></p>	<p><b>Wire Kit</b> VFD rated cable, 30 ft, Strain reliefs (4) <a href="#">099EMS-E005</a></p>

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

\*for drawings and manuals visit [www.aeroex.com/downloads](http://www.aeroex.com/downloads)

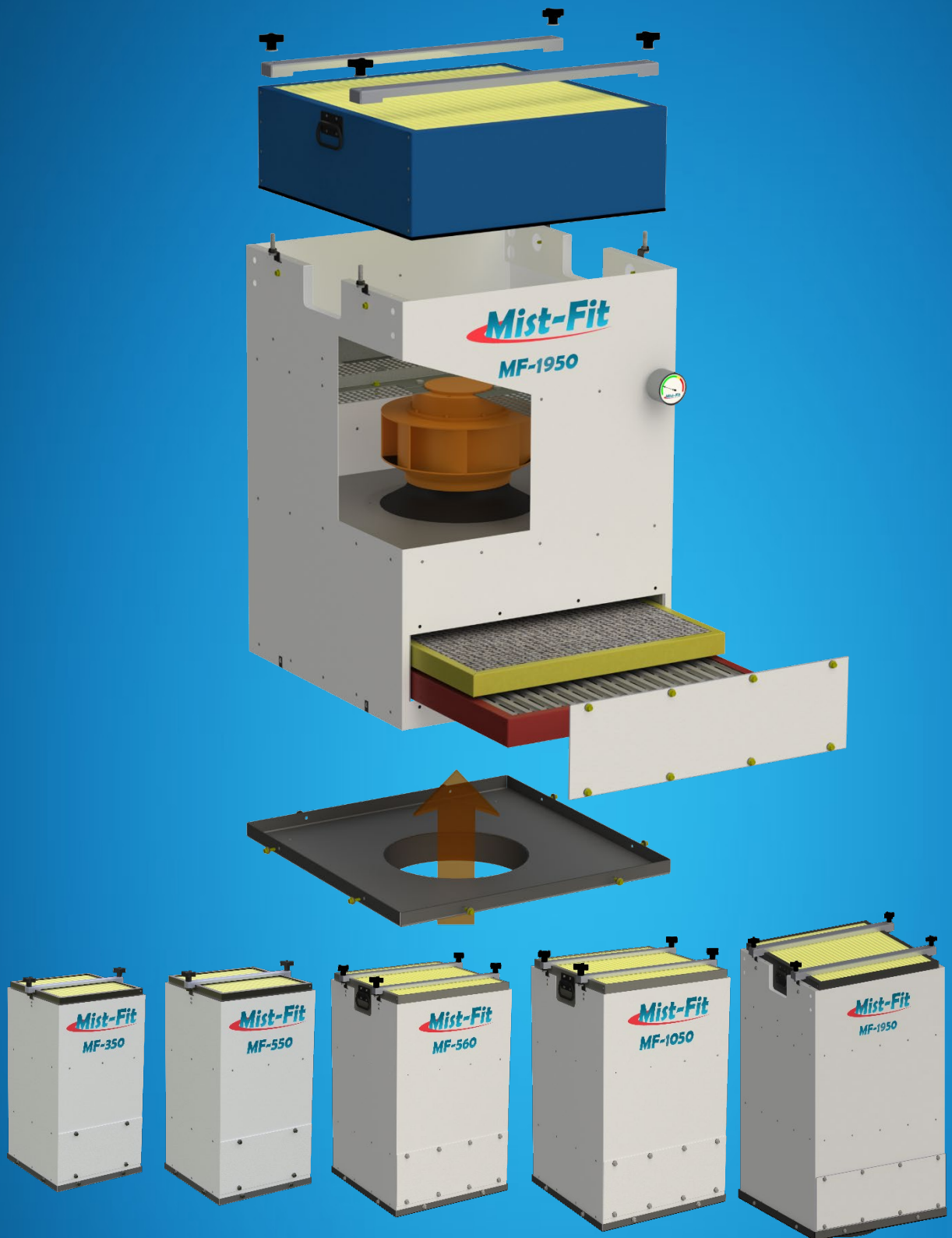








# Mist-Fit Series Mist Collectors



## 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

### Optional: Pre-Filter Box

For oil and heavy mist.  
Recommended for Swiss screw machines.  
Extends filter life many times.

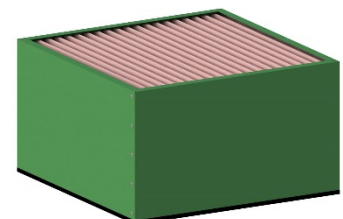
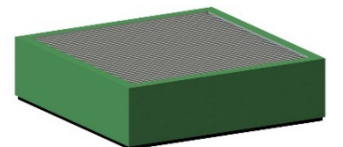
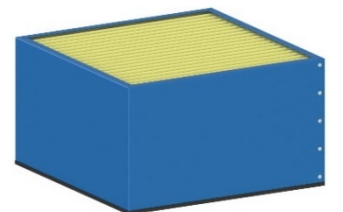
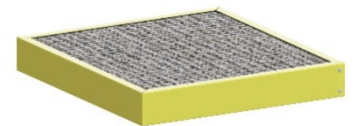
The innovative **1<sup>st</sup> stage** Mechanical Element separates up to 90% of the oil mist and swarf. The smooth metal surfaces quickly drain fluid back to the sump. Washable.  
*Typical life 20 years*

The **2<sup>nd</sup> 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 **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 or 99.9% @ 0.3 µm.  
*Typical life 2 – 4 years*

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

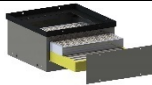




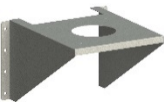






Specifications	MF-350	MF-550	MF-560	MF-1050	MF-1950
Air Flow	300-400 cfm	500-600 cfm	500 – 600 cfm	900 – 1100 cfm	1900 – 2000 cfm
Machine Tool Enclosure Recommended Volume	Up to 125 ft <sup>3</sup>	Up to 250 ft <sup>3</sup>	Up to 250 ft <sup>3</sup>	Up to 450 ft <sup>3</sup>	Up to 2,000 ft <sup>3</sup>
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

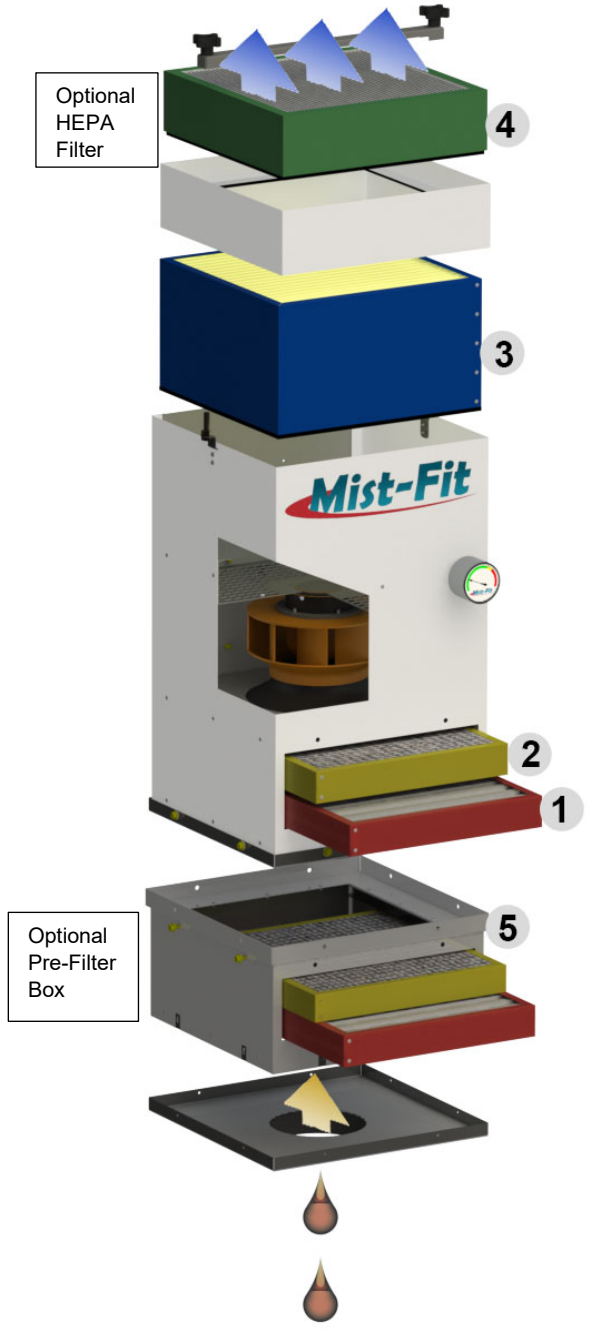
Air Flow	300-400 cfm
Machine Tool Enclosure	Up to 125 ft <sup>3</sup>
Recommended Volume	
Motor	0.5 hp
Voltage (Amps)	115/1/60 (3.0)
	220/1/60 (1.5)
	230/3/60 (0.93)
	460/3/60 (0.56)
Inlet Connection (standard)	6" Ø
Sound	66 dB(A)
Coolant	30 – 1000 psi
Oil	30 – 1000 psi
pH limit	5.8 – 9.8
Temp limit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



 <p><b>Pre-Filter Box</b> <span style="color: blue;">MF55-P001</span> For oil and high mist applications <i>Recommended for Swiss machines</i></p>	 <p><b>Installation Kit</b> <span style="color: blue;">MF55-A025</span> 6" Ø Suction hose 6" Ø x 6 ft long, 2 clamps, machine adaptor, chip strainer flat.</p>
 <p><b>Installation Kit</b> <span style="color: blue;">MF55-A024</span> 4" Ø Suction hose 4" Ø x 6 ft long, 2 clamps, machine adaptor, chip strainer flat.</p>	 <p><b>Offset Pedestal</b> <span style="color: blue;">MF55-B005</span> Height 8"</p>
 <p><b>Stand</b> <span style="color: blue;">MF55-B002</span> Height 11" Suction hose required</p>	 <p><b>Wall Mount</b> <span style="color: blue;">MF55-B006</span> Suction hose required</p>
 <p><b>Side Mount</b> <span style="color: blue;">MF55-B003</span></p>	 <p><b>Suspension Brackets</b> <span style="color: blue;">MF55-B007</span> Suction hose required</p>
 <p><b>Pedestal</b> <span style="color: blue;">MF55-B004</span> Height 8"</p>	 <p><b>Floor stand</b> <span style="color: blue;">MF55-B219</span> Adjustable 6 – 8 ft Galvanized steel Suction hose required</p>

<p><b>Motor Starter Panel</b>          NEMA 12          Basic start/stop, overloads          115/1/60    <a href="#">MF35-E115</a>          220/1/60    <a href="#">MF35-E220</a>          230/3/60    <a href="#">MF35-E230</a>          460/3/60    <a href="#">MF35-E460</a></p>	<p><b>VFD Motor Starter</b>          NEMA 1          Techtop, programmed.          115/1/60    <a href="#">MF35-V115</a>          220/1/60    <a href="#">MF35-V220</a>          230/3/60    <a href="#">MF35-V230</a>          460/3/60    <a href="#">MF35-V460</a></p>
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	Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)	<a href="#">MF55-E001</a>
	HEPA Filter Kit 4" c/w HEPA filter 95%	<a href="#">MF55-A020</a>
	HEPA Filter Kit 8" c/w HEPA filter 99.97%	<a href="#">MF55-A021</a>
	Odor-Rid Filter Kit 8" c/w Odor-Rid filter	<a href="#">MF55-A022</a>
	Chip Strainer Flat 6" Ø	<a href="#">MF55-A907</a>
	Suction Hose 6" Ø sold by foot	<a href="#">MF55-A012</a>
	Hose clamp Set of 2 6" Ø	<a href="#">MF55-A013</a>
	Machine Adaptor 6" Ø	<a href="#">MF55-A014</a>
	Spare 4 <sup>th</sup> Stage HEPA Filter 4" 95%	<a href="#">MF55-F004</a>
	Spare 4 <sup>th</sup> Stage HEPA Filter 8" 99.9%	<a href="#">MF55-F005</a>
	Spare 4 <sup>th</sup> Stage Odor-Rid Filter 8"	<a href="#">MF55-F009</a>
	Spare 3 <sup>rd</sup> Stage Fibre Bed Filter	<a href="#">MF55-F007</a>
	Spare 2 <sup>nd</sup> Stage Demister Element	<a href="#">MF55-F002</a>
	Spare 1 <sup>st</sup> Stage Mechanical Element	<a href="#">MF55-F001</a>
	Spare Pre-Filter, replaces 1st and 2nd stages	<a href="#">MF55-F010</a>

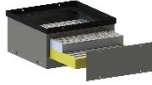




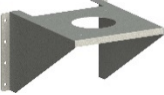






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## MF-550

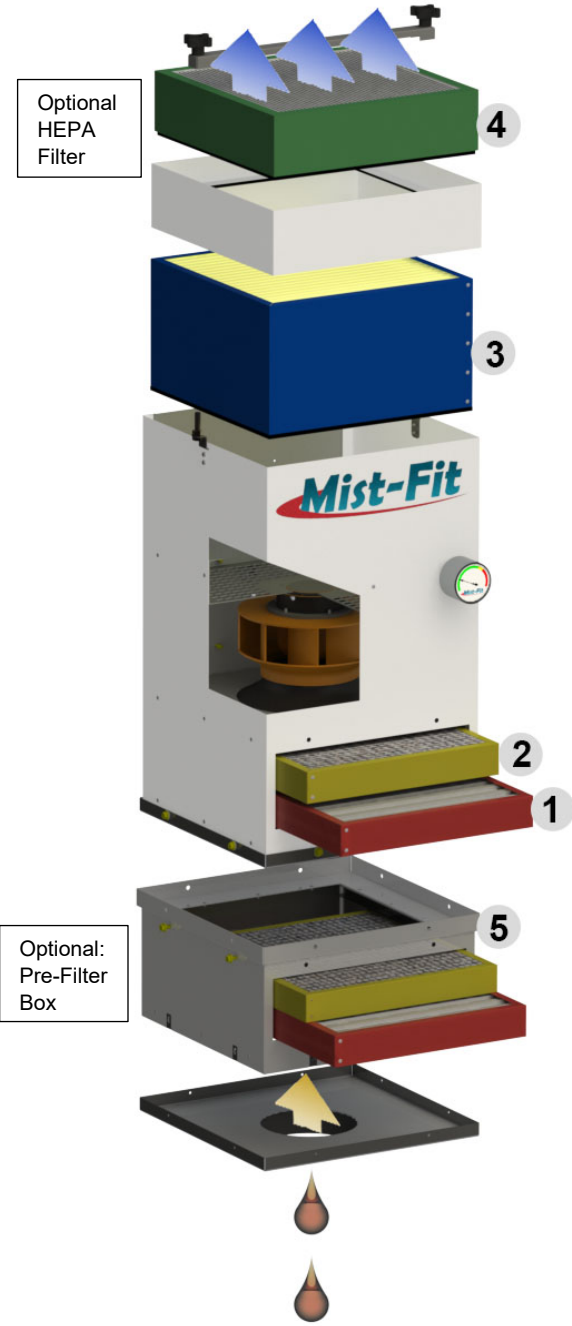
Air Flow	500-600 cfm
Machine Tool Enclosure	Up to 250 ft <sup>3</sup>
Recommended Volume	
Motor	0.75 hp
Voltage (Amps)	115/1/60 (4.9)
	220/1/60 (2.5)
	230/3/60 (1.57)
	460/3/60 (0.95)
Inlet Connection (standard)	6" Ø
Sound	68 dB(A)
Coolant	30 – 3000 psi
Oil	30 – 2000 psi
pH limit	5.8 – 9.8
Temp limit	50 °C / 125 °F
Weight	65 lbs
L x W x H	15" x 15" x 26"
HEPA Filter	Optional



 <p><b>Pre-Filter Box</b> <span style="color: blue;">MF55-P001</span> For oil and high mist applications. <i>Recommended for Swiss machines</i></p>	 <p><b>Installation Kit</b> <span style="color: blue;">MF55-A025</span> 6" Ø Suction hose 6" Ø x 6 ft long, 2 clamps, machine adaptor, chip strainer flat.</p>
 <p><b>Installation Kit</b> <span style="color: blue;">MF55-A024</span> 4" Ø Suction hose 4" Ø x 6 ft long, 2 clamps, machine adaptor, chip strainer flat.</p>	 <p><b>Offset Pedestal</b> <span style="color: blue;">MF55-B005</span> Height 8"</p>
 <p><b>Stand</b> <span style="color: blue;">MF55-B002</span> Height 11" Suction hose required</p>	 <p><b>Wall Mount</b> <span style="color: blue;">MF55-B006</span> Suction hose required</p>
 <p><b>Side Mount</b> <span style="color: blue;">MF55-B003</span></p>	 <p><b>Suspension Brackets</b> <span style="color: blue;">MF55-B007</span> Suction hose required</p>
 <p><b>Pedestal</b> <span style="color: blue;">MF55-B004</span> Height 8"</p>	 <p><b>Floor stand</b> <span style="color: blue;">MF55-B219</span> Adjustable 6 – 8 ft Galvanized steel Suction hose required</p>

<p><b>Motor Starter Panel</b>          NEMA 12          Basic start/stop, overloads          115/1/60    <a href="#">MF55-E115</a>          220/1/60    <a href="#">MF55-E220</a>          230/3/60    <a href="#">MF55-E230</a>          460/3/60    <a href="#">MF55-E460</a></p>	<p><b>VFD Motor Starter</b>          NEMA 1          Techtop, programmed.          115/1/60    <a href="#">MF55-V115</a>          220/1/60    <a href="#">MF55-V220</a>          230/3/60    <a href="#">MF55-V230</a>          460/3/60    <a href="#">MF55-V460</a></p>
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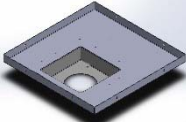
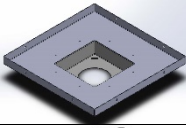



	Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)	<a href="#">MF55-E001</a>
	HEPA Filter Kit 4" c/w HEPA filter 95%	<a href="#">MF55-A020</a>
	HEPA Filter Kit 8" c/w HEPA filter 99.9%	<a href="#">MF55-A021</a>
	Odor-Rid Filter Kit 8" c/w Odor-Rid filter	<a href="#">MF55-A022</a>
	Chip Strainer Flat 6" Ø	<a href="#">MF55-A907</a>
	Suction Hose 6" Ø sold by foot	<a href="#">MF55-A012</a>
	Hose clamp Set of 2 6" Ø	<a href="#">MF55-A013</a>
	Machine Adaptor 6" Ø	<a href="#">MF55-A014</a>
	Spare 4 <sup>th</sup> Stage HEPA Filter 4" 95%	<a href="#">MF55-F004</a>
	Spare 4 <sup>th</sup> Stage HEPA Filter 8" 99.9%	<a href="#">MF55-F005</a>
	Spare 4 <sup>th</sup> Stage Odor-Rid Filter 8"	<a href="#">MF55-F009</a>
	Spare 3 <sup>rd</sup> Stage Fibre Bed Filter	<a href="#">MF55-F007</a>
	Spare 2 <sup>nd</sup> Stage Demister Element	<a href="#">MF55-F002</a>
	Spare 1 <sup>st</sup> Stage Mechanical Element	<a href="#">MF55-F001</a>
	Spare Pre-Filter, replaces 1st and 2nd stages	<a href="#">MF55-F010</a>



**Mounting Options for MF-350 and MF-550**

	<p>Side Mount Extension, Short c/w trim cover 4" Ø inlet x 6" long 5" Ø inlet x 6" long 6" Ø inlet x 6" long</p>	<p>MF55-L403 MF55-L503 MF55-L603</p>	
	<p>Side Mount Extension Long c/w trim cover 4" Ø x 20" long 5" Ø x 20" long 6" Ø x 20" long</p> <p>MF55-L504 fits Doosan Puma GT2600</p>	<p>MF55-L404 MF55-L504 MF55-L604</p>	
	<p>Blank Base Plate For custom inlet cut on site</p> <p>Example of custom inlet cut.</p>	<p>MF55-B008</p>	
	<p>Base Plates 4" Ø inlet 4" Ø inlet with oil drain nipple 2 x 4" Ø inlets with oil drain nipple 6" Ø inlet 6" Ø inlet with oil drain nipple 4" + 6" Ø inlets with drain</p>	<p>MF55-B009 MF55-BD09 MF55-BD10 MF55-B001 MF55-BD01 MF55-BD11</p>	
	<p>Base Plate Tsugami Flange matches standard Tsugami mist collector flange</p>	<p>MF55-B012</p>	
	<p>Base Plate 5" Ø Inlet off-set</p> <p>Fits Citizen A3-20 or L2-20</p>	<p>MF55-B013</p>	
	<p>Base Plate 5" Ø Inlet off-set</p> <p>Fits Citizen L32</p>	<p>MF55-B014</p>	
	<p>Base Plate with side suction 5" Ø inlet</p> <p>Fits Citizen L12</p>	<p>MF55-B015</p>	
	<p>Side Mount Kit (B016) 4" Ø inlet c/w PVC pipe, couples, etc.</p> <p>Fits Doosan TT1300 Kit</p>	<p>MF55-B016</p>	
	<p>Side Mount Kit (B017) 4" Ø inlet Inside cover plate</p> <p>Fits Doosan Puma 2500</p>	<p>MF55-B017</p>	
	<p>Side Mount Kit (B018) 4" Ø inlet c/w trim cover</p> <p>Fits Doosan Puma 2600</p>	<p>MF55-B018</p>	



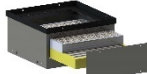


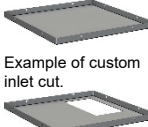

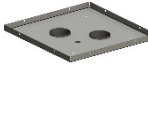


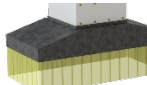



	<p><b>Side Mount (B019)</b> Different hole location to standard 6" Ø Inlet</p> <p>Fits Doosan Puma V400 and V400M</p>	<p>MF55-B019</p>	
	<p><b>Base Plate Miyano</b> Base 100 Ø, 150 x 170 mm</p> <p>Fits BNX-51 BNE-51</p>	<p>MF55-B020</p>	
	<p><b>Base Plate, Elevated-2"</b> Base 10" x 10" x 2" ht 4" Ø inlet 5" Ø inlet 6" Ø inlet</p>	<p>MF55-B021 MF55-B022 MF55-B023</p>	
	<p><b>Baseplate MistBuster</b> Flanges matches MistBuster's flange</p>	<p>MF55-B024</p>	
	<p><b>Machine Adaptor MistBuster</b> Flanges matches MistBuster's flange 6" Ø inlet</p>	<p>MF55-A023</p>	
	<p><b>Machine Adaptor</b> 4" Ø inlet</p> <p>Fits Miyano BNE51</p>	<p>MF55-A018</p>	
	<p><b>Machine Adaptor</b> 4" Ø inlet</p> <p>Fits Miyano BNX51</p>	<p>MF55-A019</p>	

# MF-560

for Swiss type machines and demanding applications

Air Flow	500-600 cfm
Machine Tool Enclosure	Up to 250 ft <sup>3</sup>
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 – 2000 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



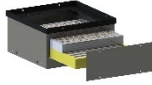


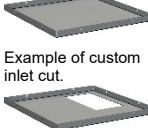

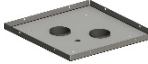


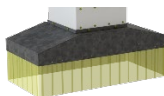
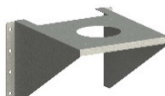


 <p>Pre-Filter Box <b>MF55-P001</b> For oil and high mist applications. <i>Recommended for Swiss machines</i></p>	 <p>Installation Kit 6" Ø <b>MF55-A025</b> Suction hose 6" Ø x 6 ft long, 2 clamps, machine adaptor, chip strainer flat.</p>
 <p>Stand <b>MF10-B002</b> Height 13" Suction hose required</p>	 <p>Blank Base Plate <b>MF10-B008</b> For custom inlet cut on site</p> <p>Example of custom inlet cut.</p>
 <p>Side Mount <b>MF10-B003</b></p>	 <p>Optional Base Plates 4" Ø inlet <b>MF10-B009</b> 4" Ø with drain <b>MF10-BD09</b> 2 x 4" Ø with drain <b>MF10-BD11</b> 6" Ø with drain <b>MF10-BD10</b></p>
 <p>Pedestal <b>MF10-B004</b> Height 8"</p>	 <p>Tsugami <b>MF10-B012</b> Mounts to existing flange</p>
 <p>Hood <b>MF10-H001</b> 2' x 6' Curtain <b>MF10-HC01</b></p>	 <p>Wall Mount <b>MF10-B006</b> Suction hose required</p>
 <p>Suspension Brackets <b>MF10-B007</b> Suction hose required</p>	 <p>Floor stand <b>MF10-B219</b> Adjustable 6 – 8 ft Galvanized steel Suction hose required</p>



## MF-1050

Air Flow	900-1100 cfm
Machine Tool Enclosure	Up to 450 ft <sup>3</sup>
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 – 2000 psi
pH limit	5.8 – 9.8
Temp limit	50 °C / 125 °F
Weight	98 lbs
L x W x H	20" x 20" x 28"
HEPA Filter	Optional





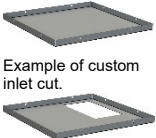
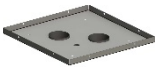
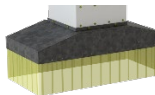
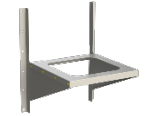

 <p><b>Pre-Filter Box</b> <span style="color: blue;">MF10-P001</span> For oil and high mist applications. <i>Recommended for Swiss machines</i></p>	 <p><b>Installation Kit 8" Ø</b> <span style="color: blue;">MF10-A019</span> Suction hose 8" Ø x 6 ft long, 2 clamps, machine adaptor, chip strainer flat.</p>
 <p><b>Stand</b> <span style="color: blue;">MF10-B002</span> Height 13" Suction hose required</p>	 <p><b>Blank Base Plate</b> <span style="color: blue;">MF10-B008</span> For custom inlet cut on site</p> <p>Example of custom inlet cut.</p>
 <p><b>Side Mount</b> <span style="color: blue;">MF10-B003</span></p>	 <p><b>Optional Base Plates</b> 6" Ø with drain <span style="color: blue;">MF10-BD10</span> 8" Ø with drain <span style="color: blue;">MF10-BD01</span> 2 x 6" Ø with drain <span style="color: blue;">MF10-BD13</span> 6" + 8" Ø with drain <span style="color: blue;">MF10-BD15</span></p>
 <p><b>Pedestal</b> <span style="color: blue;">MF10-B004</span> Height 8"</p>	 <p><b>Tsugami</b> <span style="color: blue;">MF10-B012</span> Mounts to existing flange</p>
 <p><b>Hood</b> <span style="color: blue;">MF10-H001</span> 2' x 6' <b>Curtain</b> <span style="color: blue;">MF10-HC01</span></p>	 <p><b>Wall Mount</b> <span style="color: blue;">MF10-B006</span> Suction hose required</p>
 <p><b>Suspension Brackets</b> <span style="color: blue;">MF10-B007</span> Suction hose required</p>	 <p><b>Floor stand</b> <span style="color: blue;">MF10-B219</span> Adjustable 6 – 8 ft Galvanized steel Suction hose required</p>



# MF-1950







Air Flow	1900-2000 cfm
Machine Tool Enclosure	Up to 2000 ft <sup>3</sup>
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



 <p>Pre-Filter Box <b>MF19-P001</b> For high mist applications</p>	 <p>Installation Kit 12" Ø <b>MF19-A019</b> Suction hose 12" Ø x 6 ft long, 2 clamps, machine adaptor, chip strainer flat.</p>
 <p>Stand <b>MF19-B002</b> Height 23" Suction hose required</p>	 <p>Blank Base Plate <b>MF19-B008</b> For custom inlet cut on site Example of custom inlet cut.</p>
 <p>Side Mount <b>MF19-B003</b></p>	 <p>Optional Base Plates 12" Ø with drain <b>MF19-BD01</b> 2 x 8" Ø with drain <b>MF19-BD17</b></p>
 <p>Hood <b>MF19-H001</b> 2' x 6' Curtain <b>MF19-HC01</b></p>	 <p>Wall Mount <b>MF19-B006</b> Suction hose required</p>
 <p>Suspension Brackets <b>MF19-B007</b> Suction hose required</p>	 <p>Floor stand <b>MF19-B219</b> Adjustable 6 – 8 ft Galvanized steel Suction hose required</p>



# Mounting Options

<p><b>Direct Mount</b> Base Plate 6" Ø Inlet <b>Accessories</b> ➢ Chip strainer</p> 	<p><b>Direct Mount</b> Blank Base Plate cut on site <b>Accessories</b> ➢ Chip strainer</p> 	<p>Custom</p> 
<p><b>Side Mount</b> <b>Accessories</b> ➢ Chip strainer</p> 	<p><b>Pedestal</b> ➢ Chip strainer</p> <p>Accessories</p> <p>Height 8"</p> 	<p><b>Offset</b> Height 8" <b>Accessories</b> ➢ Chip strainer</p> <p><b>Pedestal</b></p> 

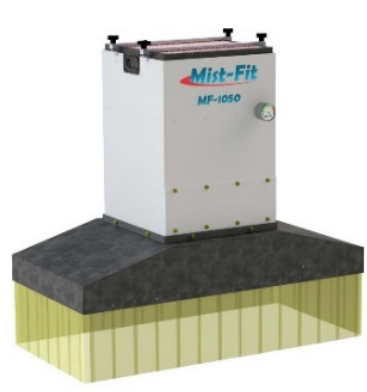
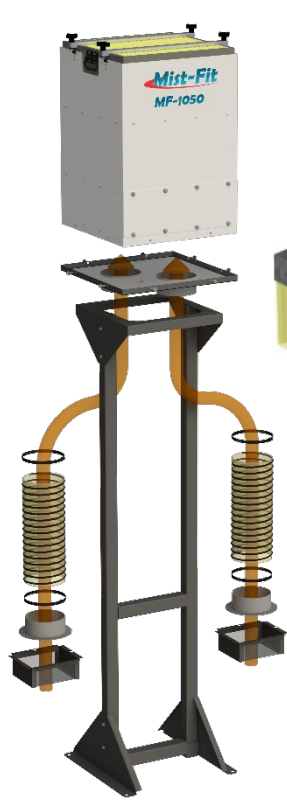
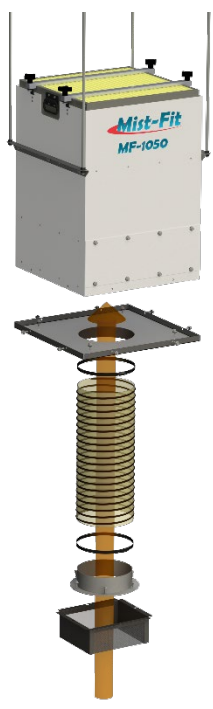
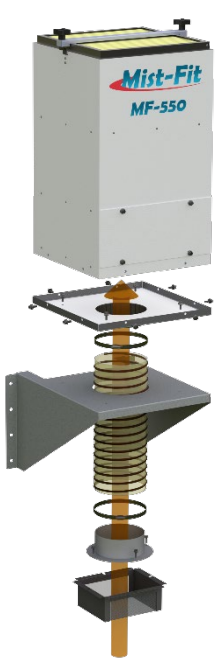
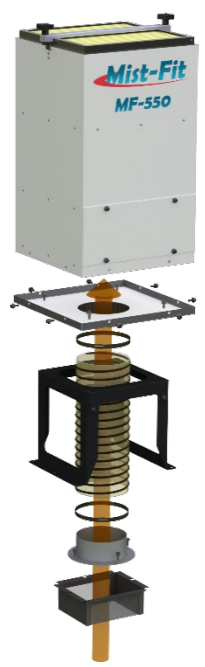
**Stand**

**Wall Mount**

**Suspended**

**Floor Stand**

**Hood**



\*for drawings and manuals visit [www.aeroex.com/downloads](http://www.aeroex.com/downloads)





Side Mount



Side Mount



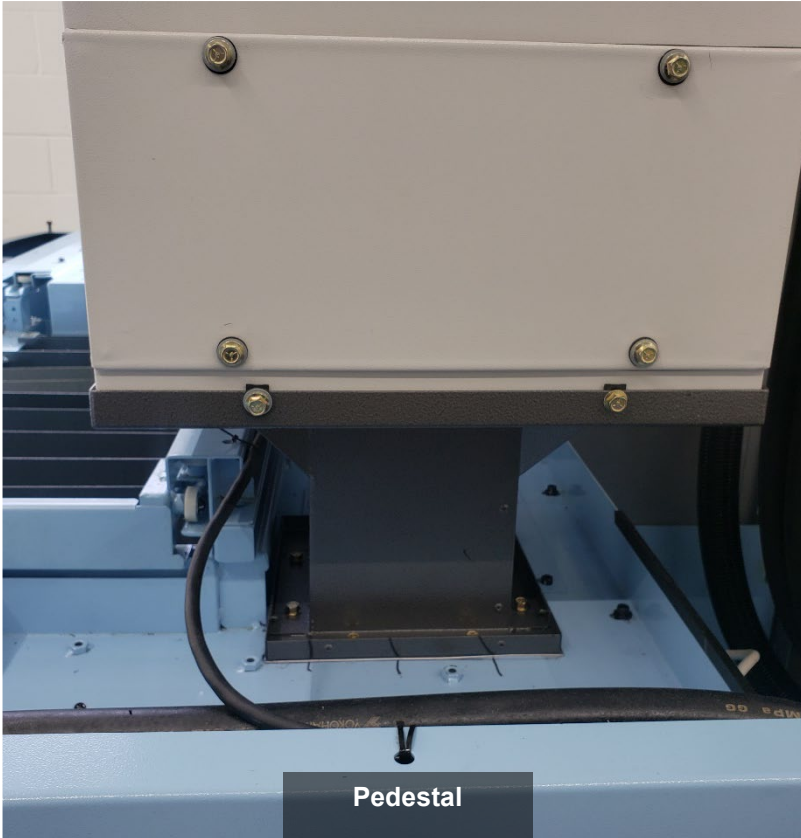
Side Mount, Custom Design



Chip Strainer

\*for drawings and manuals visit [www.aeroex.com/downloads](http://www.aeroex.com/downloads)







**Suspended**



**Swiss Screw Machine with Pre-filter Box**



**Custom Mount on Swiss Screw Machine**



**Wall Mount**

## 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 ft<sup>2</sup> 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!

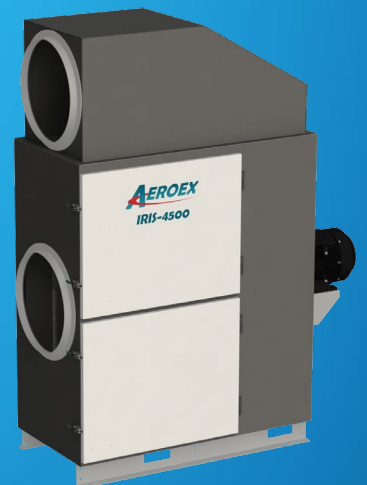
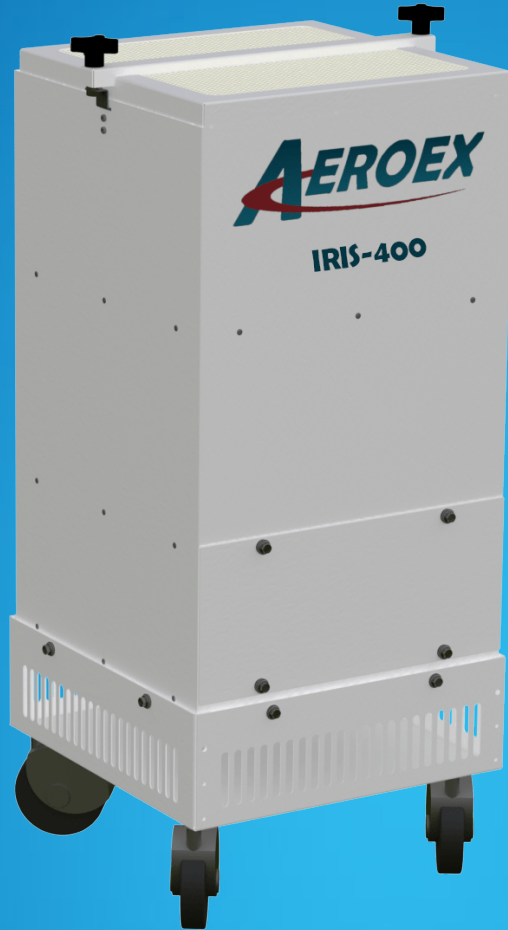
The filters in the Mist-Fit were inspected after 8 months of heavy machining. The HEPA filter was still like new, clean and dry. The primary filters were doing an amazing job at eliminating the fine mist & protecting the HEPA filter. The condition of the fibre bed filter was excellent, expected life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



# IRIS Series Air Filtration Systems



## IRIS Series Medical Grade Air Filtration Systems

AEROEX offers a wide range of single room portable solutions and/or centralized mechanical room/ceiling installs to service multiple rooms to optimize IAQ to that of Medical Grade standard.

We also have customized industrial machines to service larger industrial/institutional facilities like waste collection areas. The two stage filtration system has been engineered with certified HEPA filters up to 99.99% efficiency on particles at 0.3µm.

Viruses and contaminants that adhere to aerosols or particulate

matter can be trapped in the HEPA filter, reducing the concentration of contaminants in the room. This will reduce the risk of exposure to an airborne contaminant.

The IRIS Series is a highly engineered air purification machine, designed to provide clean air by capturing:

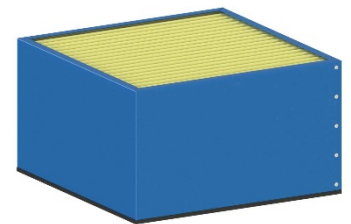
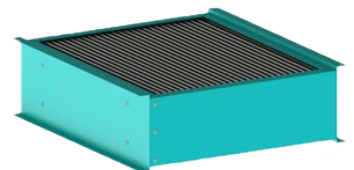
- Micron airborne aerosols which viruses adhere to
- Particulate matter
- Microorganisms
- VOC's/chemicals• Allergens

### IRIS Filters Explained

Compact and big on performance.

The innovative 1st stage filter removes large particles, VOCs and odors. Typical life 3-6 months.

The 2nd stage HEPA filter captures sub-micron particles at an efficiency 99.99% @ 0.3 µm. Typical life 12-36 months.

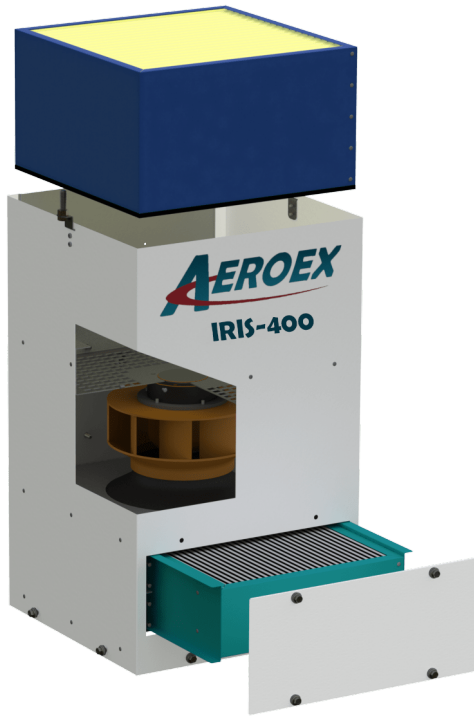




Specifications	IRIS-400	IRIS-600	IRIS-1100	IRIS-2000	IRIS-4500
Air Flow	400 cfm	600 cfm	1100 cfm	2000 cfm	4500 cfm
Max Static	3.0 w.c.	3.5 w.c.	4.6 w.c.	6.4 w.c.	10.5 w.c.
Motor	0.5 hp	0.75 hp	1.5 hp	3.0 hp	7.5 hp
Voltage (Amps)	115/1/60 (3.0)	115/1/60 (4.9)	220/1/60 (5.1) 230/3/60 (2.7) 460/3/60 (1.6)	230/3/60 (6.0) 460/3/60 (3.3)	230/3/60 (17.0) 460/3/60 (8.1) 575/3/60 (6.8)
Sound	62 dB(A)	65 dB(A)	68 dB(A)	70 dB(A)	
Dimensions (LxWxH)	15" x 15" x 26"	15" x 15" x 26"	20" x 20" x 28"	25" x 25" x 36"	68" x 25" x 70"
Weight	75 lbs	75 lbs	140 lbs	310 lbs	1000 lbs
HEPA Filter Area	78 ft <sup>2</sup>	78 ft <sup>2</sup>	126 ft <sup>2</sup>	385 ft <sup>2</sup>	770 ft <sup>2</sup>
Carbon Filter	Included	Included	Included	Included	Optional

# IRIS-400

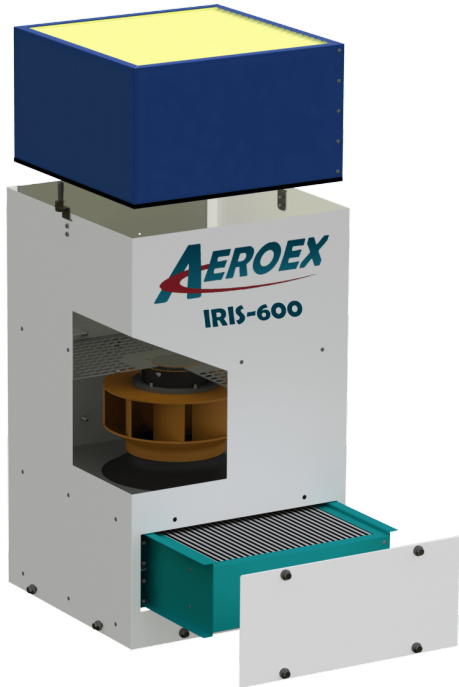
Air Flow	400 cfm
Max Static.	3.0 w.c.
Motor	0.5 hp
Voltage (Amps)	115/1/60 (3.0)
Sound	62 dB(A)
L x W x H	15" x 15" x 26"
Weight	75 lbs
HEPA Filter Area	78 ft <sup>2</sup>
Carbon Filter	Included



	Source Capture Kit single hose double hose	<a href="#">IR60-B001</a>
	Ceiling mount Kit Height 8"	<a href="#">IR60-B003</a>
	Wall Mount  **Replaces Mobility Kit	<a href="#">MF55-B006</a>
	Spare 4 <sup>th</sup> Stage HEPA Filter 8" 99.9% @ 0.3 μm	<a href="#">MF55-F005</a>
	Spare Carbon Pre-Filter	<a href="#">IR60-F010</a>
	Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)	<a href="#">MF55-E001</a>

# IRIS-600

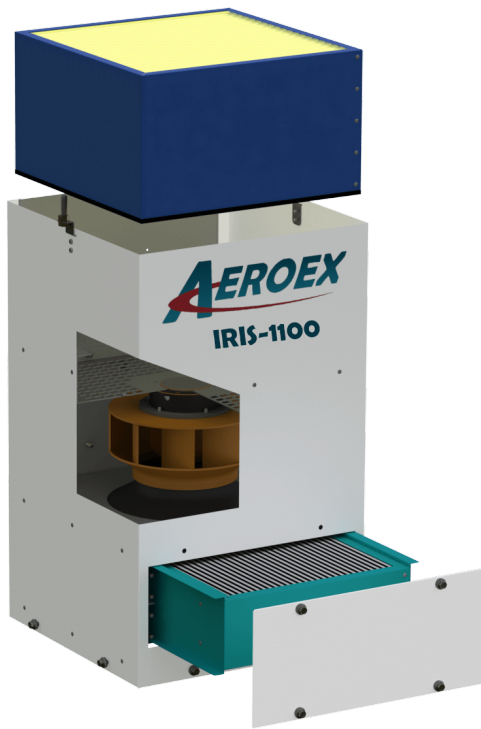
Air Flow	600 cfm
Max Static	3.5 w.c.
Motor	0.75 hp
Voltage (Amps)	115/1/60 (4.9)
Sound	65 dB(A)
L x W x H	15" x 15" x 26"
Weight	75 lbs
HEPA Filter Area	78 ft <sup>2</sup>
Carbon Filter	Included





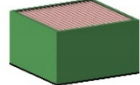
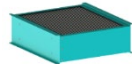





	Source Capture Kit single hose double hose	<a href="#">IR60-B001</a>
	Ceiling mount Kit Height 8"	<a href="#">IR60-B003</a>
	Wall Mount  **Replaces Mobility Kit	<a href="#">MF55-B006</a>
	Spare 4 <sup>th</sup> Stage HEPA Filter 8" 99.9% @ 0.3 μm	<a href="#">MF55-F005</a>
	Spare Carbon Pre-Filter	<a href="#">IR60-F010</a>
	Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)	<a href="#">MF55-E001</a>

## IRIS-1100

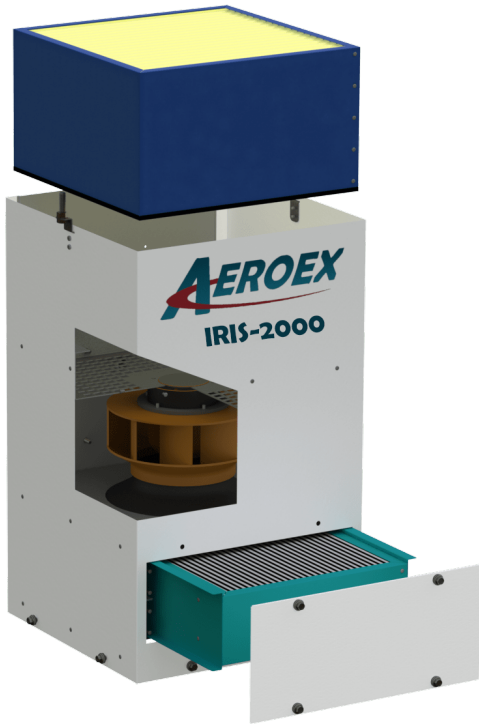
Air Flow	1100 cfm
Max Static in. w.c.	4.6
Motor	1.5 hp
Voltage (Amps)	220/1/60 (5.1) 230/3/60 (2.7) 460/3/60 (1.6)
Sound	68 dB(A)
L x W x H	20" x 20" x 28"
Weight	140 lbs
HEPA Filter Area	126 ft <sup>2</sup> .
Carbon Filter	Included






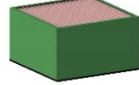
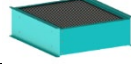





	Wall Mount <span style="float: right; color: #00AEEF;">MF10-B006</span>
**Replaces Mobility Kit	
	Suspension Brackets <span style="float: right; color: #00AEEF;">MF10-B007</span> Suction hose required
	Floor stand <span style="float: right; color: #00AEEF;">MF10-B219</span> Adjustable 6 – 8 ft Galvanized steel Suction hose required
	Hood <span style="float: right; color: #00AEEF;">MF10-H001</span> 2' x 6' Optional: Curtain <span style="float: right; color: #00AEEF;">MF10-HC01</span>
	Spare 4 <sup>th</sup> Stage HEPA Filter 8" <span style="float: right; color: #00AEEF;">MF10-F005</span> 99.9% @ 0.3 μm
	Spare Carbon Pre-Filter <span style="float: right; color: #00AEEF;">IR10-F010</span>
	Wire Kit <span style="float: right; color: #00AEEF;">MF10-E001</span> VFD rated cable, 20 ft, Strain reliefs (4)
	<b>Motor Starter Panel</b> NEMA 12 Basic start/stop, overloads 230/3/60 <span style="float: right; color: #00AEEF;">MF10-E230</span> 460/3/60 <span style="float: right; color: #00AEEF;">MF10-E460</span>
	<b>VFD Motor Starter</b> NEMA 1 Techtop, programmed. 115/1/60 <span style="float: right; color: #00AEEF;">MF10-V115</span> 220/1/60 <span style="float: right; color: #00AEEF;">MF10-V220</span> 230/3/60 <span style="float: right; color: #00AEEF;">MF10-V230</span> 460/3/60 <span style="float: right; color: #00AEEF;">MF10-V460</span>

# IRIS-2000

Air Flow	2000 cfm
Max Static.	6.4 w.c.
Motor	3 hp
Voltage (Amps)	230/3/60 (6.0) 460/3/60 (3.3)
Sound	70 dB(A)
L x W x H	25" x 25" x 36"
Weight	310 lbs
HEPA Filter Area	385 ft <sup>2</sup>
Carbon Filter	Included



	Stand Height 23" Suction hose required	<a href="#">MF19-B002</a>
	Wall Mount  **Replaces Mobility Kit	<a href="#">MF19-B006</a>
	Suspension Brackets Suction hose required	<a href="#">MF19-B007</a>
	Floor stand Adjustable 6 – 8 ft Galvanized steel Suction hose required	<a href="#">MF19-B219</a>
	Hood 2' x 6' Optional: Curtain	<a href="#">MF19-H001</a> <a href="#">MF19-HC01</a>
	Spare 4 <sup>th</sup> Stage HEPA Filter 8" 99.9% @ 0.3 µm	<a href="#">MF19-F005</a>
	Spare Carbon Pre-Filter	<a href="#">IR20-F010</a>
	Wire Kit VFD rated cable, 20 ft, Strain reliefs (4)	<a href="#">MF10-E001</a>
	<b>Motor Starter Panel</b> NEMA 12 Basic start/stop, overloads 230/3/60 <a href="#">MF10-E230</a> 460/3/60 <a href="#">MF10-E460</a>	
	<b>VFD Motor Starter</b> NEMA 1 Techtop, programmed. 115/1/60 <a href="#">MF10-V115</a> 220/1/60 <a href="#">MF10-V220</a> 230/3/60 <a href="#">MF10-V230</a> 460/3/60 <a href="#">MF10-V460</a>	

## IRIS-4500

Air Flow	2000 cfm
Max Static.	10.5 w.c.
Motor	7.5 hp
Voltage (Amps)	230/3/60 (17.0)
	460/3/60 (8.1)
	575/3/60 (6.8)
L x W x H	68" x 25" x 70"
Weight	1000 lbs
HEPA Filter Area	770 ft <sup>2</sup>
Carbon Filter	Optional



	<p><b>1<sup>st</sup> stage "DE" Demister Element</b>  <i>Note: IRIS-4500 uses 2 Demister Elements</i></p>	<p>A20FDE-0002</p>	
	<p><b>2<sup>nd</sup> stage MERV9 Fibre Bed Filter</b>  <i>Note: IRIS-4500 uses 2 Fibre Bed Filters</i></p>	<p>A20FCM-0004</p>	
	<p><b>3<sup>rd</sup> stage "HF" HEPA Filter</b>            99.9% @ 0.3 µm  <i>Note: IRIS-4500 uses 2 HEPA Filters Typical</i></p>	<p>2000HF-2099</p>	



\*for drawings and manuals visit [www.aeroex.com/downloads](http://www.aeroex.com/downloads)

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