

Compact, direct machine-mountable mist collectors designed to collect, filter, and reclaim mist generated from machines using oil-based, synthetic, semi-synthetic, or water-soluble coolants.

- Efficient, compact design handles mist and smoke applications from 100 - 1000 cfm (170 - 1699 m³/h)
- Three stages of filtration for high filtration efficiency and optimum filter life
- Available with high performance in-cover or in-line prefilters for removal of swarf and large chips and in-cover impingers for applications with heavy concentrations of fine mist
- High collection efficiency of 98% on 1.0 µm increasing to 99.97% at 0.3 µm with optional fourth stage HEPA filter
- Direct-mount capability minimizes ductwork
- Recirculation of clean air eliminates the need for costly make-up air
- Provides a cleaner work environment for maximum productivity
- Helps support OSHA Clean Air Standards

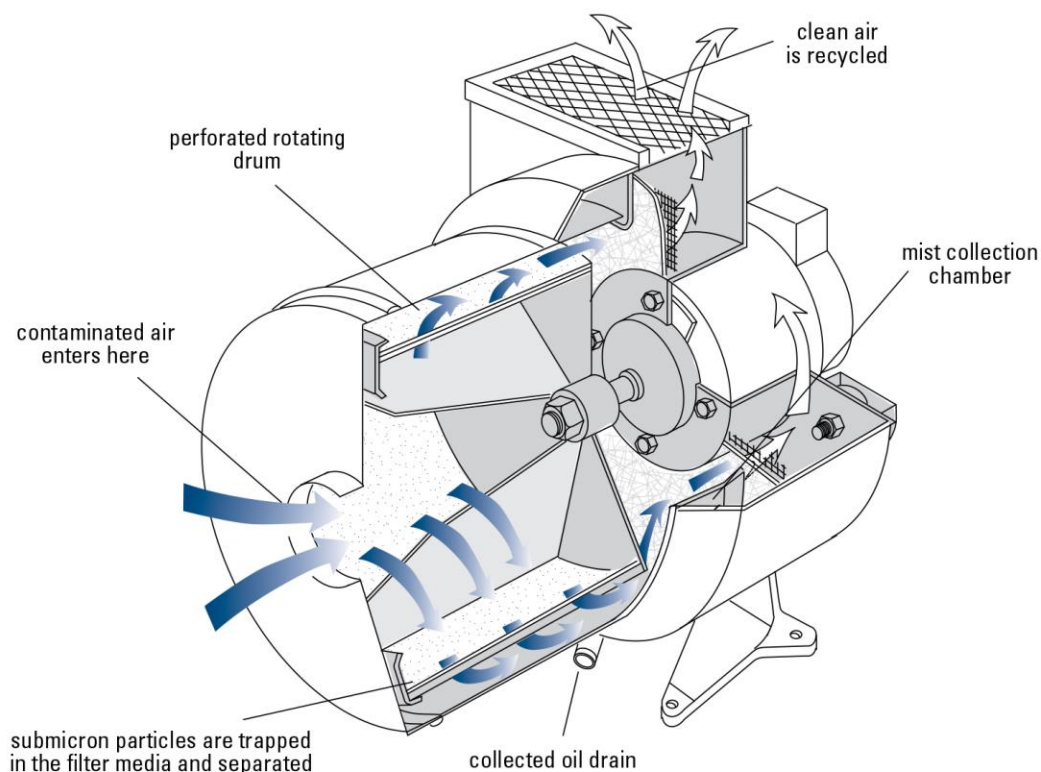


E-500



E-300 with HEPA

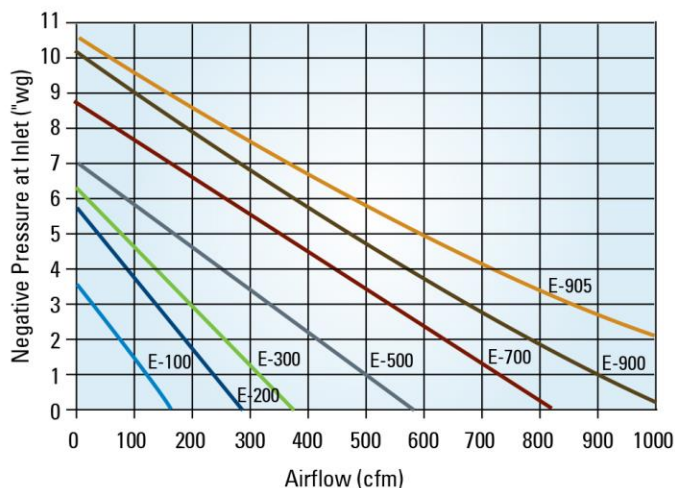
OPERATIONAL EXPLANATION



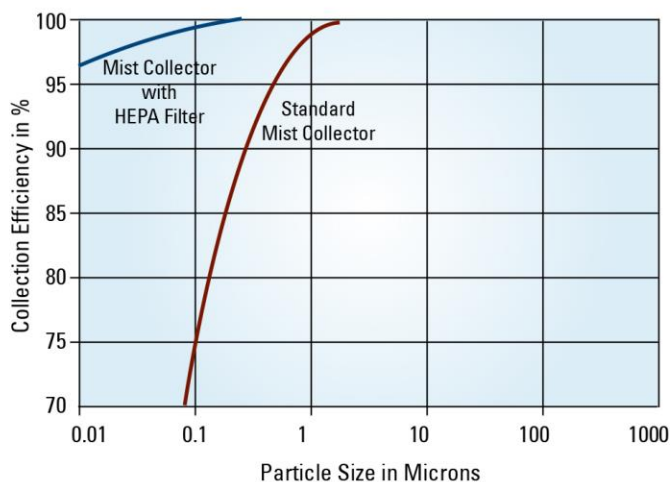
- Inexpensive, throwaway filter liners reduce maintenance costs
- Sturdy, compact, 16-gauge steel encasement is tough and solid for harsh industrial environments
- Optional HEPA and carbon filters are available on all models

PERFORMANCE SELECTIONS

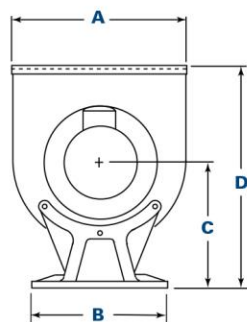
Airflow at 60 Hz - 3450 RPM



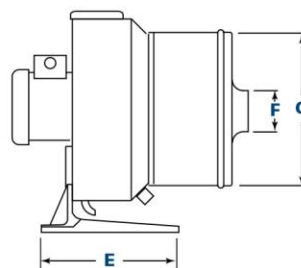
Particle Size vs. Collection Efficiency



DIMENSIONS & SPECIFICATIONS



Front View



Side View

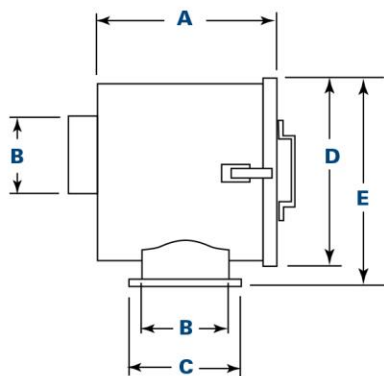
Model	Nominal Airflow*		Motor (hp)	Dimensions***														Sound Level dB(A) [†]	Shipping Weight	
	cfm @1TSP	m³/h @1TSP		A		B		C		D		E		F		G			lb	kg
				in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm			
E-100	100	170	0.5	14.9	378.5	11.5	292.1	11.5	292.1	19.4	492.8	11.5	292.1	3.9	99.1	14.5	368.3	70	125	56.7
E-200	200	340	0.5	14.9	378.5	11.5	292.1	11.5	292.1	19.4	492.8	11.5	292.1	3.9	99.1	14.5	368.3	70	125	56.7
E-300	300	510	1	17.1	434.3	11.5	292.1	12.3	312.4	21.4	543.6	11.5	292.1	3.9	99.1	14.5	368.3	72	145	65.8
E-500	500	849	1	17.1	434.3	11.5	292.1	12.3	312.4	21.4	543.6	11.5	292.1	5.9	149.9	14.5	368.3	72	145	65.8
EA-700	700	1189	3	20.8	528.3	11.5	292.1	12.3	312.4	23.2	589.3	11.5	292.1	5.9	149.9	18.3	464.8	74	190	86.2
EA-900	900	1529	3	20.8	528.3	11.5	292.1	12.3	312.4	23.2	589.3	11.5	292.1	5.9	149.9	18.3	464.8	74	190	86.2
EA-905	1000**	1699**	3	20.8	528.3	11.5	292.1	12.3	312.4	23.2	589.3	11.5	292.1	5.9	149.9	18.3	464.8	76	190	86.2

* Based on clean filters

** 1,000 cfm @ 2" (28.3 m³/m @ 50.8mm) External Static Pressure (ESP).

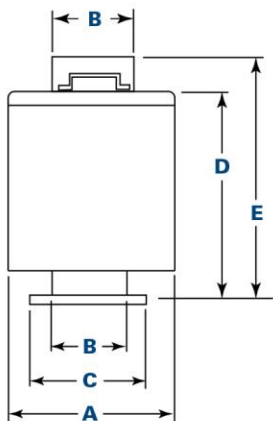
*** Dimensions do not include HEPA option.

† The actual measured sound level will vary, depending on background noise and room conditions.



Horizontal Prefilter Trap

Model	Dimensions - Horizontal									
	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
E-100	9.1	231.1	3.9	99.1	6.0	152.4	9.1	231.1	10.0	254.0
E-200	9.1	231.1	3.9	99.1	6.0	152.4	9.1	231.1	10.0	254.0
E-300	9.1	231.1	3.9	99.1	6.0	152.4	9.1	231.1	10.0	254.0
E-500	12.1	307.3	5.9	149.9	8.0	203.2	12.1	307.3	13.0	330.2
EA-700	12.1	307.3	5.9	149.9	8.0	203.2	12.1	307.3	13.0	330.2
EA-900	12.1	307.3	5.9	149.9	8.0	203.2	12.1	307.3	13.0	330.2
EA-905	12.1	307.3	5.9	149.9	8.0	203.2	12.1	307.3	13.0	330.2



Vertical Prefilter Trap

Model	Dimensions - Vertical									
	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
E-100	9.1	231.1	3.9	99.1	6.0	152.4	10.8	274.3	11.8	299.7
E-200	9.1	231.1	3.9	99.1	6.0	152.4	10.8	274.3	11.8	299.7
E-300	9.1	231.1	3.9	99.1	6.0	152.4	10.8	274.3	11.8	299.7
E-500	12.3	312.4	5.9	149.9	8.0	203.2	14.1	358.1	15.5	393.7
EA-700	12.3	312.4	5.9	149.9	8.0	203.2	14.1	358.1	15.5	393.7
EA-900	12.3	312.4	5.9	149.9	8.0	203.2	14.1	358.1	15.5	393.7
EA-905	12.3	312.4	5.9	149.9	8.0	203.2	12.1	358.1	13.0	393.7

STANDARD FEATURES & AVAILABLE OPTIONS

Collector Design	Std	Opt
Heavy-Gauge Steel Construction	X	
Three Filtration Stages	X	
TEFC Motor	X	
Drain Kit	X	
3-Phase, 50-60 Hz Motor	X	
1-Phase, 60 Hz Motor		X
Flexible Inlet Hose Kit		X
Pedestal— 6' x 6" (152.4 mm x 152.4 mm)		X
Explosion Proof Motor		X
Aluminum Drum Assembly		X
Vibrator Isolators		X
Inlet Adapter		X
Prefilter Trap		X
In-Cover Trap		X
In-Cover Impinger		X

Filters and Liners	Std	Opt
Throwaway Liner	X	
Primary Filter	X	
Secondary Filter	X	
Exhaust Grill Filter	X	
Sock Filter (In-Line Prefilter)		X
Carbon Filter		X
HEPA Filter (Fourth Stage)		X
Paint System		
Textured Multi-Coat Paint Finish with 2,000-Hour Salt Spray Performance	X	
Premium Duty Finish		X
Custom Colors, Materials, and Finishes		X
Warranty		
10-Year Warranty	X	

Significantly improve the performance of your collector with genuine Donaldson Torit replacement filters and parts.

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EXACTLY WHAT YOU NEED.™

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