

TIME & ECOLOGY
AMANO



Middle Size Electric Oil Mist Collector

***EM-eH* SERIES**

Oil mist collector for die-cast machines



Specifications

Model		EM-60eH			EM-90eH		
Power supply		3-phase 50/60Hz(InverterDrive) common use					
Motor Output (kW)		3.7			5.5		
Capacity	(m ³ /min)	0	40	60(use point)	0	60	90(use point)
	(cf/min)	0	1696	2119	0	2119	3178
Static pressure (kPa)		2.23	1.50	0.50	2.76	1.70	0.27
Noise (dB[A])※1		75±2 or less (air volume at use point)			80±2 or less (air volume at use point)		
Collection unit (Quantity)	Eliminator	4			6		
	Demister	2			4		
	Charging electrode	4			6		
	Collecting electrode	4			6		
Safety	Fire damper ※2	FVD type damper is installed (with air flow control, temperature fuse, limit switch)					
Collecting efficiency(wt% filter weight method)		97.5% (air volume at use point)					
Max. inlet density (mg/m ³)		~50					
Allowable suction air temperature(°C/°F)		0~40/32~104					
Power Cord (m)		None (4-core)					
Oil drainage port		1 inch single-ended male nipple (with valve & elbow)					
W × D × H	(in)	35.63 × 37.72 × 86.06			35.63 × 51.30 × 88.03		
	(mm)	905 × 958 × 2186			905 × 1303 × 2236		
Weight (kg/lbs)		360/ 793.6			520/1146.4		
Coating color		JPMA J11—833					

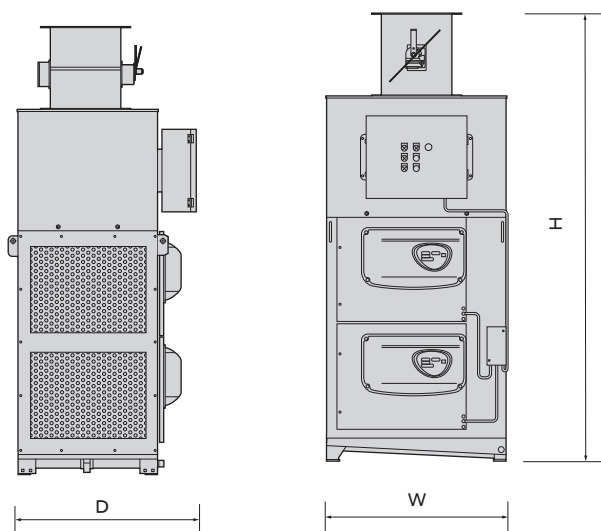
Listed figures apply to standard specification only. Those figures may change depending on custom requirements.

※1 A muffler material (-4dB[A]) is available as an option.

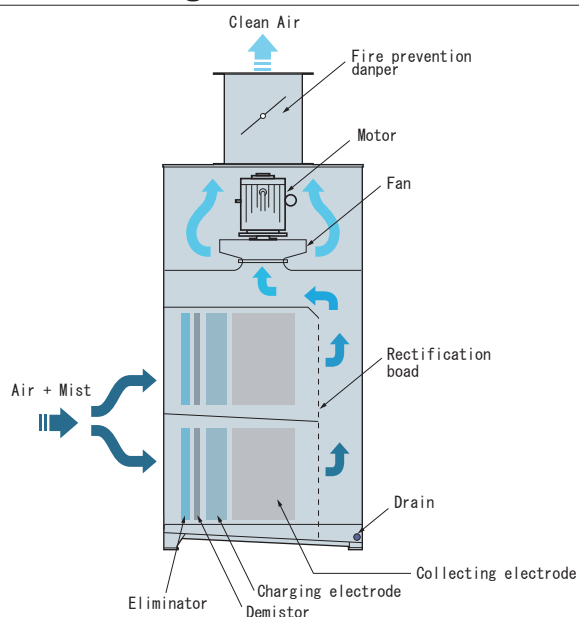
※2 Optional fire damper is installable in both inlet or outlet. (φ 290 φ 350 φ 380mm)

Selectable from FVD (without solenoid) or SFVD (with solenoid)

External view



Internal design



For Your Safety

- Be sure to read the instruction manual thoroughly before getting started, and use the machine correctly.
- This machine is designed to handle oil mist for die-casting machine.
- Do not suction the following materials:
 - Flammable materials... gasoline, thinner, benzene, kerosene, paint, etc.
 - Dust or fumes
 - Fire remains... cigarette stubs, ashes, etc.
 - Other... water, water vapor, chemicals
 - Oil or mist with a flash point lower than 80°C
- The ambient temperature range is from 0°C to 40°C.
- This product is not an explosion-proof type. Do not install the machine at hazardous areas specified by laws.
- Do not operate a mist collector in a place where pervaded with in flammable, explosive and corrosive fume, smoke, and/or gas.
- In order to prevent electrical shock, please make sure earthing connection.

- Please conduct maintenance work on electrode as follows:
 - Check the dirt once or more a week.
 - Clean the electrode when the dirt accumulated up to 2mm.
 - Clean the electrode periodically once or more every 3 months.
 - Please use water-soluble degreaser for oil removal when you clean an electrode.
- Make sure to turn off the power and ensure that a fan has stopped rotating when you start maintenance work and parts replacement.
- Do not use this mist collector for magnesium die-casting machine.
- Do not use a mold lubricant diluted with kerosene petroleum.
- The pictures shown in this catalog may differ slightly from the actual products.

Specifications and descriptions contained in this catalog may be subject to change without notice.

Please direct any questions to:

Digital data only

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