

VM Vertical Media Filtration Collectors



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AER Control Systems' VM Series Vertical Media Collection Systems are designed to provide efficient, cost effective control of mist, dust, smoke, fume, and gas/ vapor contaminants generated from a variety of manufacturing and process applications.

Our larger Vertical Media Collection Systems modular design provides the ultimate in unit filtration flexibility or adaptability enabling them to handle a variety of airborne contaminants. Modular design allows for simple integration of additional filter modules which allow the collectors filter stages to be easily customized to meet the exact filtration requirements of the application. Should contaminants change due to process changes, existing filter modules can be easily added and/or altered to adapt to the new contaminants generated.

Unit Type	CFM	Mtr HP	Weight (lbs)	LxWxH (in.)
VMW/WMD-3000	3000	2/3	340	34x27x114
VMW/VMD-6000	6000	3/5	620	63x27x120
VMW/VMD-9000	9000	5/7.5	754	27x93x120
VMW/VMD-12000	12000	7.5		63x54x120
VMWH/VMDH-3000	1200 - 1500	2/3	458	34x27x131
VMWH/VMDH-6000	2400-3000	3/5	830	63x27x137
VMWH/VMDH-1200		7.5		63x54x1

OPTIONS

- ▶ HEPA Module: with an efficiency rating of 99.97% @ 0.3 microns
- ▶ Carbon Module: for the removal of gas/vapors and odors
- ▶ Impinger Module: for the removal of large mist particulates and sticky mist contaminants
- ▶ Direct Drive Fan Packages
- ▶ Multi-Vee Module: for the removal of dry or moist sticky dusts
- ▶ Outlet Plenum
- ▶ Floor Stand
- ▶ Attenuators
- ▶ Custom Units available up to 24,000 CFM



FEATURES

- ▶ Standard configuration with CFM ratings from 3000-9000 CFM
- ▶ Motors available from 2HP through 7.5HP for a wide range of applications
- ▶ Adjustable RPM, belt driven blowers for varying airflow
- ▶ Magnehelic gauge for quick reference of filter-loading
- ▶ Third stage filter element provides MERV 14 efficiency per ASHRAE 52.1 & 52.2
- ▶ Hinged, drop down vee-bag retaining rods allow filter bags to easily slide on the rods and hold filter bag pleats in place, keeping bag envelopes evenly spaced for maximum collection.
- ▶ Improved, final stage Vee-Bag filter sealing is provided by the removable and/or replaceable face sealing frame that eliminates filter leakage and bypass problems found with conventional side-mounted gasket sealing
- ▶ Tube type aerospace gaskets create three (3) sealing surfaces for optimum leak resistance. Gaskets are mechanically fastened to the cabinets eliminating problems with adhesives as well as making them extremely easy to replace