



# DYNAMIC V8-DM VRF & FAN COIL MODULES

***Outperforms anything on the market for contaminant control, maintenance, and cost of ownership***



- MERV 15 performance without ionizing or Ozone generation
- The perfect solution for better filtration with VRF units
- VOC reduction and removal of ultrafine particles
- Holds up to 10 times the dust of deep bed high-capacity cartridge and bag filters
- Filter change-out intervals measured in years instead of months
- Service access on upstream side unless specified as downstream when ordering
- Helps qualify for multiple LEED® credits
- Helps compliance with ASHRAE Standard 90.1 energy requirements
- Reduces fan hp, db levels, and helps achieve acoustic criteria targets
- Can help implement the IAQ Procedure of ASHRAE Standard 62 to possibly reduce outdoor air
- Limited 5 year warranty includes electronics
- Tested to meet CSA Standard C22.2 No. 187-M19986 and UL Standard 867
- Standard module heights of 12" and 18" and depths of 24" or 29.5". Widths can vary to maximize and simplify media replacement.

## V8 Technology

The Dynamic V8-DM (Duct Mounted) system utilizes active-field technology to polarize both media fibers and airborne particles. The polarized particles are then drawn to both the fibers of the media and other particles. This process brings about a deep cleaning of the air.

Dynamic V8 technology utilizes these basic physical principles and couples them with patented developments in material and composite chemistry and media fibre design. The result is revolutionary performance and a new level of energy and operational savings.

MERV rating: 13

Dust required to increase ESP by .25" w.g.: 2,385g

### PERFORMANCE DATA

	12"H x 24"D	12"H x 29.5"D	18"H x 24"D	18"H x 29.5"D
Electrical Input:	24 VAC	24 VAC	24 VAC	24 VAC
Powerhead Output Voltage:	9.5 kV (DC)	9.5 kV (DC)	9.5 kV (DC)	9.5 kV (DC)
Power Consumption:	1.4 Watts	1.4 Watts	2.8 Watts	2.8 Watts
Module Volt/Amps Draw:	1.45 VA	1.45 VA	2.9 VA	2.9 VA
Ozone Generation:	None	None	None	None
Min. Svc. Access Space Required V8-DM*	19 in.	24 in.	19 in.	24 in.
Clean Static Pressure** @ 500 fpm:	.38 w.g.	.28 w.g.	.38 w.g.	.28 w.g.

\* On latch side of air cleaners

\*\* Optimal final static pressure drop is a function of the equipment, energy, and labor costs. Media should be changed at a pressure drop set point, not a regular time interval.

## Dynamic V8 Family

**Standard 29.5" deep modules:** the most commonly used Dynamic V8 modules where there is adequate space in the AHU and/or DOAS.

**Space Saving 24" deep modules:** identical in application to the 29.5" modules and are used when there are space constraints. They have proportionally higher pressure drop and less dust holding capacity.

**V8-SL Side Load modules:** these are 24" or 29.5" in depth and have a stacking, self-supporting racking system that allows them to be installed and accessed from the side. These are for applications with no in-unit access, such as RTUs.

**V8-DM VRF and Fan Coil modules:** for small duct-mount applications, these are essentially cased V8 modules that are installed as sections of the duct system or where there is little or no space for filtration.

