Dynamic
Air Quality Solutions

FAN POWERED FILTER SYSTEMS

Dynamic offers a full line of commercial air cleaning equipment with benefits beyond traditional filtration, such as MERV 15 performance, lower energy and operating costs, and the mitigation of odors and VOCs.

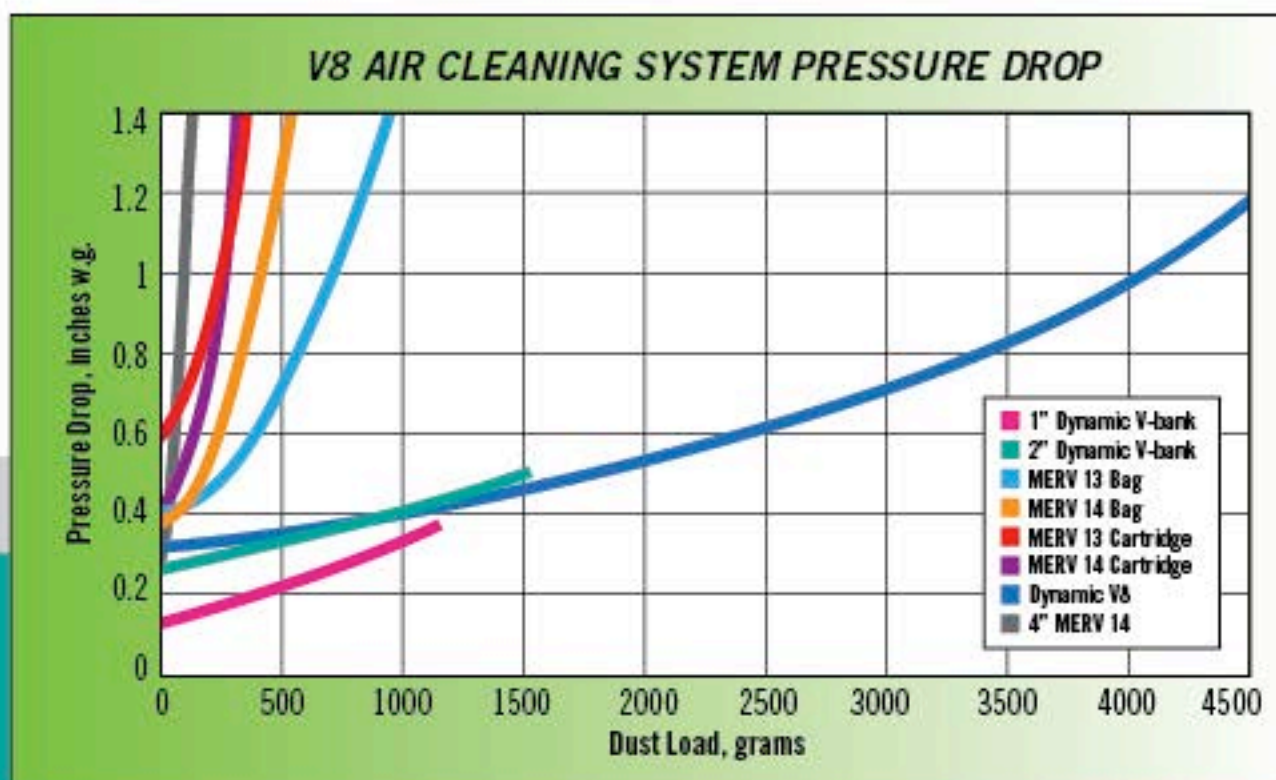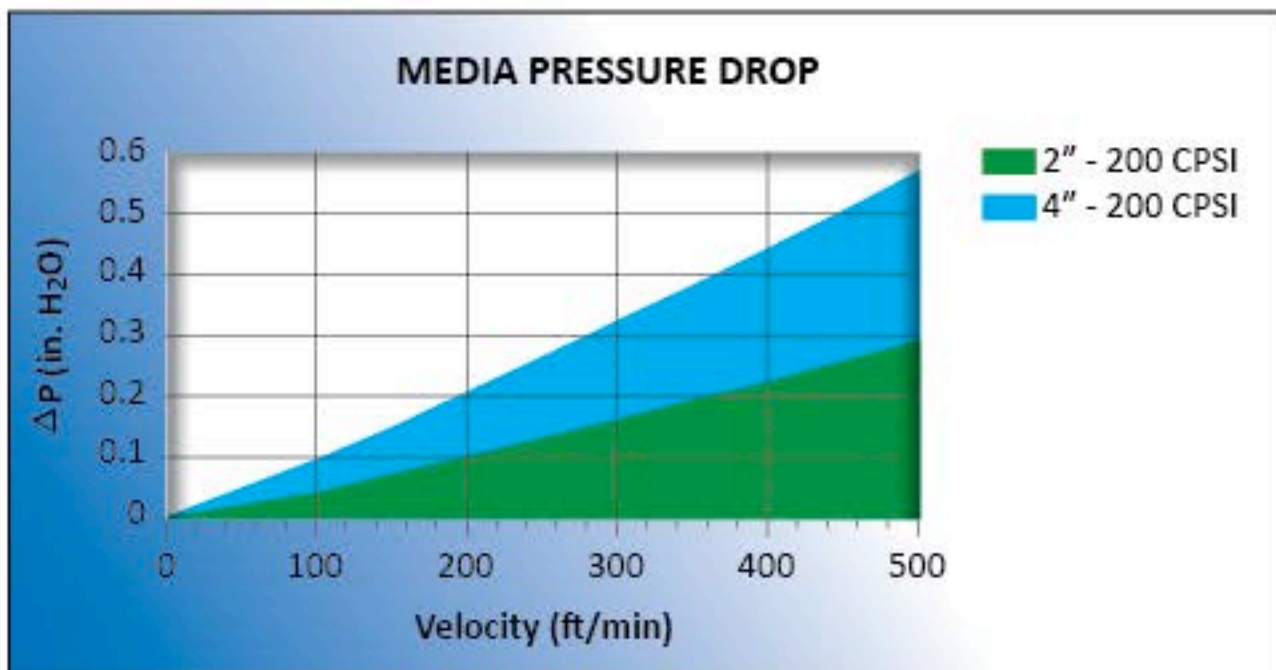### Dynamic Fan Powered Filter Systems can be configured with

Dynamic Polarized-Media Air Cleaners

Dynamic V8® Air Cleaning Systems

Dynamic Sterile Sweep™ / Series2™ UVC Germicidal Systems

Dynamic Activated Carbon Matrix (ACM) Systems

For those who are serious about the importance of Air Filtration and Odor Mitigation
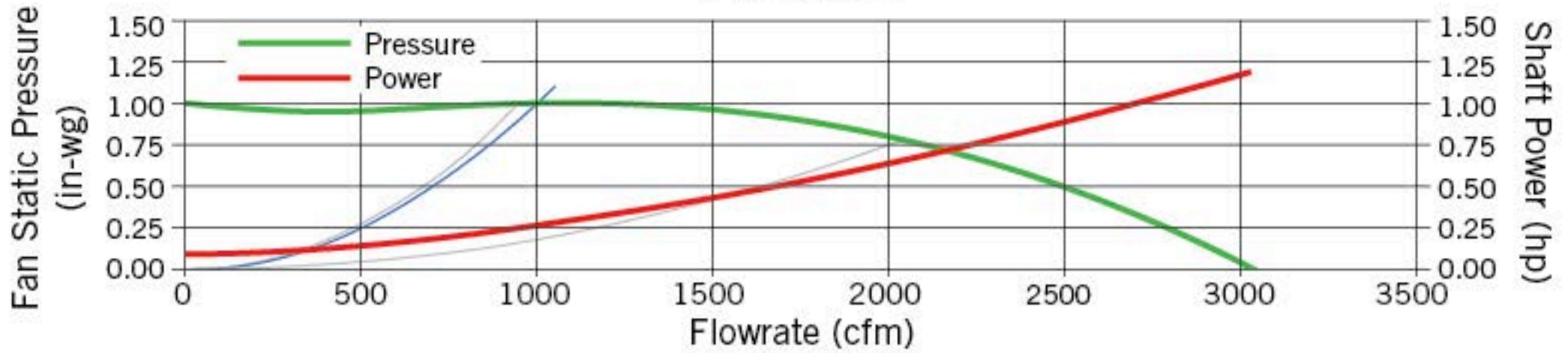
- A comprehensive, scalable "total" solution for a wide variety of applications.

- Fast, easy installation.

- Provides ongoing energy savings and long maintenance cycles.

- Modular components can be tailored to address specific IAQ needs.

- 120 VAC power.

- ECM (electronically commutated) motor, for very fine speed control, high efficiency at full speed, and dramatic reduction in power usage at low speeds.

- Standard 10 speed digital controller for simple airflow adjustment.

- Choice of motors: 1/3, 1/2, 3/4 horsepower.

- Airflow capability up to 3,000 CFM (with larger fan/motor).

For grow operations

- Protects plants by eliminating airborne contaminants from outside ventilation air and recirculated indoor air, including mold spores and powdery mildew.

- Can eliminate exhaust air odors at the building perimeter.

MEDIA PRESSURE DROP

Legend:
- 2" - 200 CPSI
- 4" - 200 CPSI

Y-axis: ΔP (in. H_2O) — 0 to 0.6
X-axis: Velocity (ft/min) — 0 to 500

V8 AIR CLEANING SYSTEM PRESSURE DROP

Y-axis: Pressure Drop, Inches w.g. — 0 to 1.4
X-axis: Dust Load, grams — 0 to 4500

Legend:
- 1" Dynamic V-bank
- 2" Dynamic V-bank
- MERV 13 Bag
- MERV 14 Bag
- MERV 13 Cartridge
- MERV 14 Cartridge
- Dynamic V8
- 4" MERV 14

Performance

Sound (Lwi)	63	125	250	500	1000	2000	4000	8000	Lw	LwA
	74	72	68	66	68	64	63	60	78	73

At the intersection of *IAQ, Energy and Maintenance*, Dynamic Air Quality Solutions provides sustainable strategies for new construction and existing buildings that save energy and reduce operating costs, while improving indoor air quality for better occupant productivity, health, and satisfaction.

IAQ

Dynamic Air Cleaners remove ultrafine particles, odors, VOCs, biological contaminants and airborne pathogens. For ventilation air, this means removing and contaminants such as mildew and mold spore particulates from incoming ventilation air.

ENERGY

With HVAC accounting for over 50% of building energy load, it's important to take advantage of available energy savings. Filtration costs offer big returns because actual filtration costs are 90% energy cost. Lower static pressure means lower fan energy and less energy consumption. Dynamic V8s use 2/3 less fan energy than MERV 14 passive filters and Dynamic ACM Carbon Matrix systems enjoy up to a 60% lower pressure drop than pellet based systems, at significantly higher velocities.

MAINTENANCE

Dynamic V8 Air Cleaning Systems extend maintenance intervals from every 3-4 months to every 3-4 YEARS. Dynamic ACM Carbon Matrix systems offer big advantages over pellet based systems. Half the size and a fraction of the weight, they are easy to handle and maintain. Longer service lives mean big productivity gains in labor, materials, purchasing, and waste.

With over 35 years of experience, and a knowledgeable staff of HVAC and IAQ professionals, Dynamic Air Quality Solutions has designed and manufactured award-winning products for projects ranging from Anthrax clean-ups to protecting the world's most valuable art collections. Visit our website for actual case studies that provide solutions for a wide variety of market segments ranging from hospitals to museums.
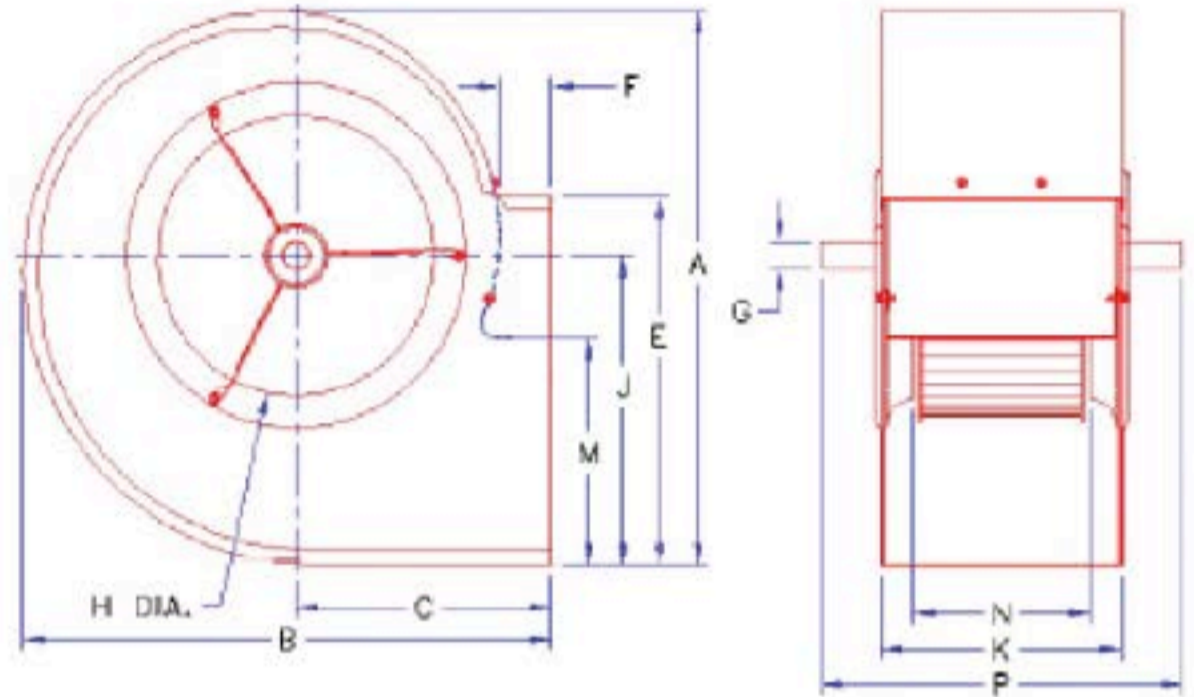
DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

A	B	C	E	F	G	H	J	K	M	N	P
17.38	16.56	7.94	11.38	1.50	0.75	8.81	9.69	10.50	7.00	8.44	14.00

Dimensions in inches

OPTIONS

- Available Bore: 3/4, 1 and 1-3/16 inch
- Center disc lock style: Preslok
- Three Piece bearing bracket (Max 3HP) available for 9 - 15" blowers
- One Piece bearing bracket (Max 10HP) available for 12 - 18" blowers
- Standard motor mounting bracket (Max 3/4HP) or reinforced motor mounting bracket (Max 1 1/2HP)

Notes: Airflow performance data is obtained in accordance with AMCA 210-07. Installed performance will vary depending on extent of cabinet geometry.

Sound data is estimated from industry experience for the type of product selected. Data should be used for comparison purposes only and does not represent installed values.

DYN-710 (12/17)