



Air Filtration Sales Presentation

What the customer says about Dusters

“The machine is simply outstanding”.

Sir Speedy – Los Alamitos, California, U.S.A.

“The recommended system has totally removed airborne dust and smells”.

Allegra Print and Imaging – Ottawa, Ontario, Canada

“All in all, we are extremely happy with this unit and we cannot imagine working without one again”.

Print Three - Toronto, Ontario, Canada

“In the 6 weeks we have had the Duster 2000 there has been no ink odor to speak of”.

Speed Signs – Delta, British Columbia, Canada

“It has made a tremendous difference in the atmosphere of our work place”.

Independent Printing Inc. - Springfield, Missouri, USA

“Purchasing the Duster 3000 was one of the best investments that we ever made”.

Direct Marketing Associates Inc, -Tempe, Arizona, USA

Owner – “It’s effectiveness in removing dust from the air is remarkable”.

Pressman – “I love how it controls the powder in the air and on the stock”.

Bindery Worker – “The smell of chemicals used to give me a headache. But I haven’t had one since we put in this system”.

Did you know?

- Billions of \$ are lost every year due to poor indoor air quality.
- Electronic Air Cleaners can be hazardous.
- Ceiling hanging units are ineffective.

Air Quality – why worry?

Indoor air pollutants are unwanted, sometimes harmful materials in the air. They range from dust to chemicals. Air cleaners are a device that can remove such pollutants from the indoor air you breathe.

Benefits of clean air

- More Productivity.
- Better Quality.
- Prevent Down Time.
- Improve Worker Morale.
- Health Benefits.
- Less Odors.
- Environmental Benefits.
- Improved Working Conditions.



Economic values of clean workplace air.

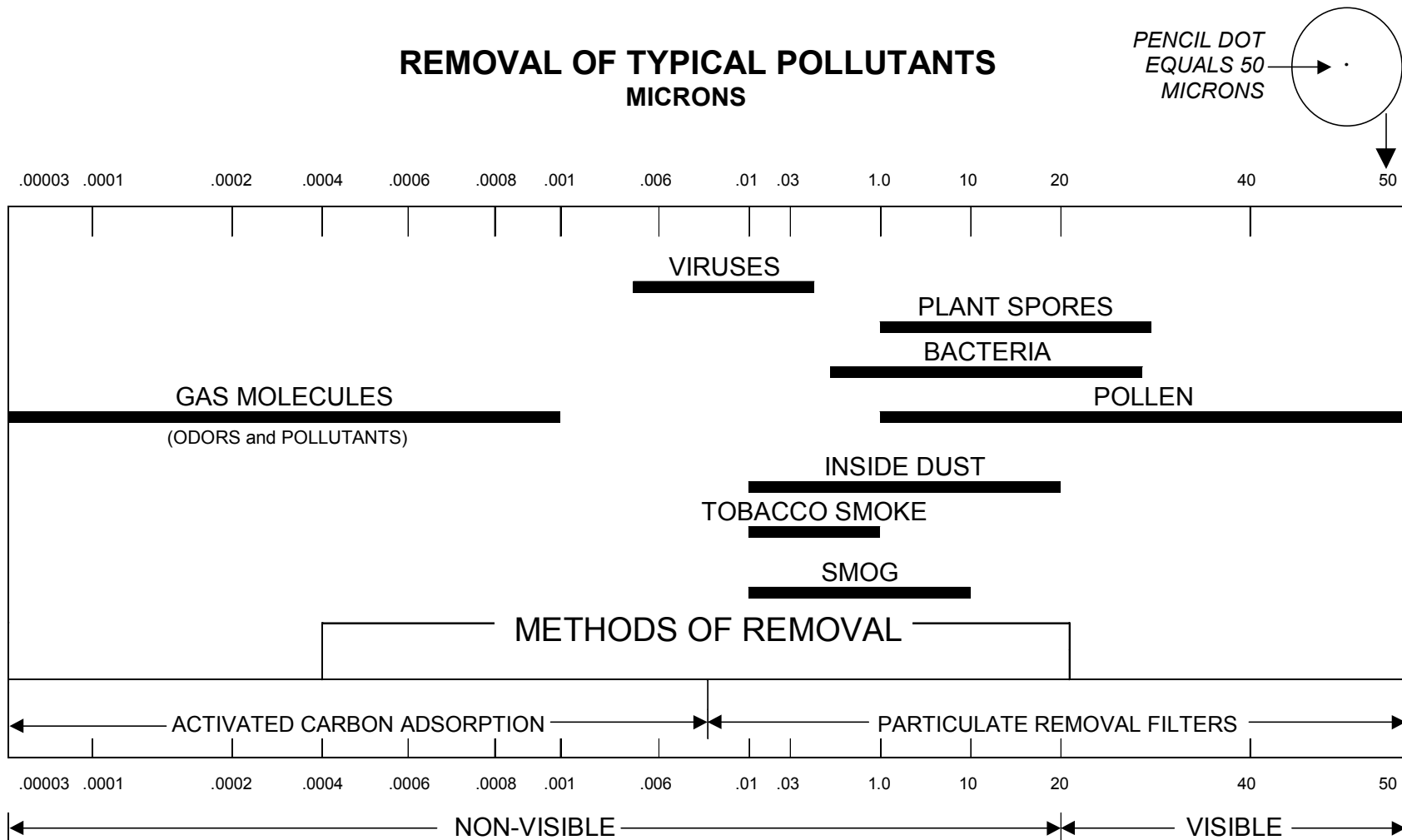
“It is generally agreed that poor indoor air can adversely affect employees health and productivity. These costs have been estimated to be ”tens of billions of dollars per year””.

- Report to Congress on Indoor Air Quality.

“Improvements in the indoor air environment may substantially increase employees moral and productivity. Therefore it is important to include indoor air quality controls in operation, maintenance, and energy conservation strategies”.

- IAQ Publication U.S. Government.

This chart shows the relative size of common airborne pollutants and the method of removing them, by either particulate removal filters or activated carbon filters.



Remove

Paper Dust

Spray Powder

Ink Odors

VOC's

Blanket Wash Fumes

Pollen

Bacteria

Viruses

Cigarette Smoke

What are Dusters?

Mobile Air Filtration Units that clean all the air in the workplace.



Duster 3000

For up to 5000 sq.ft floor area



Duster 2000

For up to 2500 sq.ft floor area



Duster 600

For up to 800 sq.ft floor area

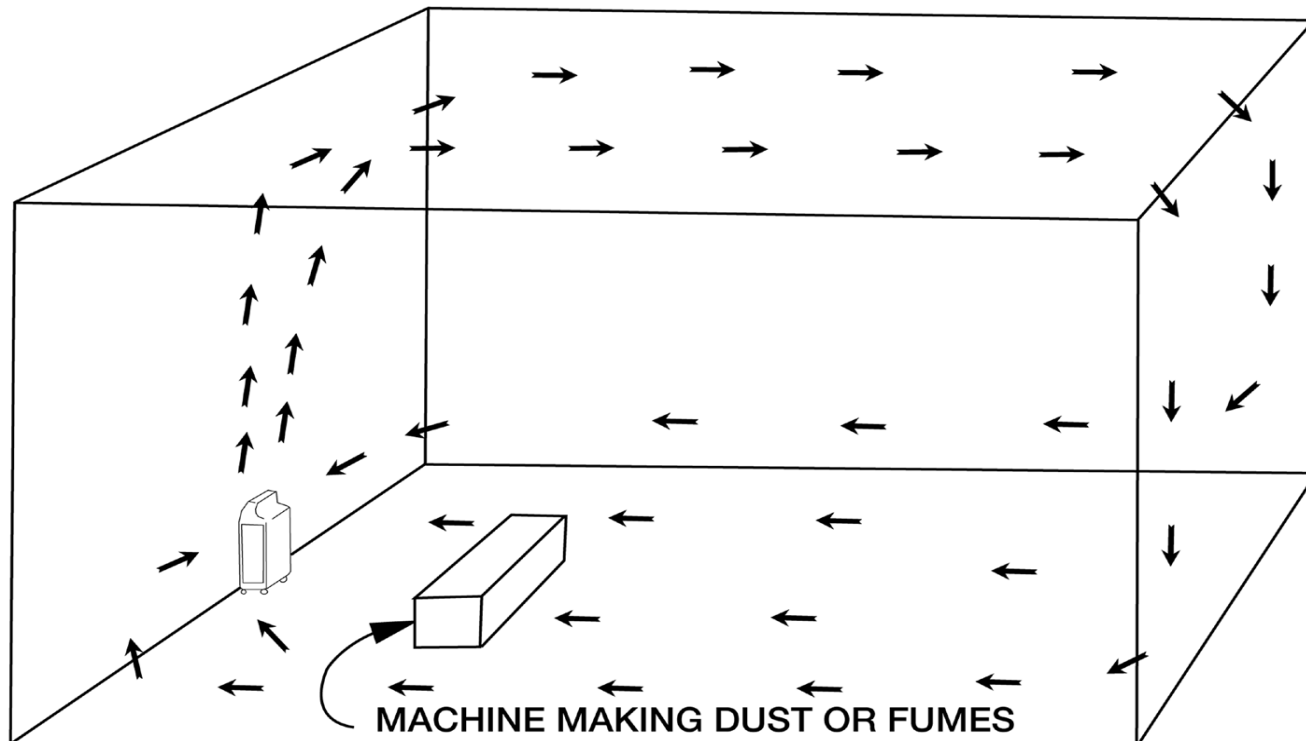
Why choose a Duster and not a competitor

- Total air circulation.
- Floor level pick-up.
- Sub-micron filtration.
- High capacity, refillable carbon filters.
- Long lasting cleanable intake filters.
- Operate on standard electrical power (110V, 60Hz single phase).
- Supplied “ready to use”.
- Quiet, low cost operation.
- 5 year warranty on parts (not filters).

How do they work?

Floor level pick up combined with a powerful upward and forward airflow is critical for effective air cleaning.

Duster Air Flow Diagram



Which one to choose?



By Room Size

Up to 5000 sq.ft Duster 3000	Up to 2500 sq. ft Duster 2000	Up to 800 sq.ft Duster 800
---------------------------------	----------------------------------	-------------------------------

By Main Problem

Dust only	Standard Model	NO Carbons
Dust and Fumes	Standard model	Regular Carbons 1½"
Dust and Strong Fumes	FC (Fume Control) model	

Duster 3000



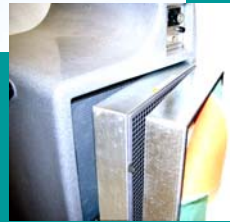
- For areas up to 5000 sq ft.
- Filters on 3 sides and top.
- Easy Maintenance.
- Quiet Operation.

Duster 2000

- For areas up to 2500 square feet.
- Large filter surface area.
- Optional FC model – heavy refillable carbons.
- Totally variable speed.



**STANDARD
CARBON
28 LBS. TOTAL**



**FUME CONTROL
CARBON
60 LBS. TOTAL**

Duster 600



- For up to 800 square feet.
- Single speed.
- Base model – simple.



**STANDARD CARBON
22 LBS. TOTAL**

Specifications



Electrical	1 1/3HP, 12 Amps, 110V Single phase, Expl. Proof Sealed Controls USA	1 HP, 10 Amp, 110V Direct Drive Motor Variable Speed USA	1/3 HP, 2 Amp, 110V Direct Drive Motor Single Speed USA
Air Flow Meter	Digital Readout	Digital Readout	Flip up indicator
Construction	Double zinc coated sheet Metal – Powder coated	Molded polyethylene Impact Resistant	Molded polyethylene Impact Resistant
Weight	186 lbs.	101 lbs	84 lbs.
Sound Level	Under 72db, Quiet single speed.	0 - 72db, Quiet Variable speed	Under 68db, Quiet single speed.
Room Capacity	Up to 5000 sq.ft	Up to 2500 sq. ft	Up to 800 sq. ft
Warranty	5 Years, filters excluded	5 Years, filters excluded	5 Years, filters excluded

Multi Stage Filtration



Stage 1 Dust pads – (DP series)

Capture visible airborne particles.

Graduated Density media.

Clean by either vacuuming or “blowing off” with compressed air.

Stage 2 HP Intake Filters – (HP series)

Capture invisible airborne particles.

Surface loading pleated media to increase the surface area.

Clean by vacuuming the and pressure wash bi-annually.

Stage 3 Activated Carbon Filters – (CF Series)

Remove gaseous phase pollutants.

100% fill of activated carbon pellets.

They are refillable.

Final Stage Filtration – Duster 3000



Micro Filter MP85 –

Captures invisible particles down to 0.3 microns.
High surface area V bank.
Made from wet laid microglass.

It is not cleanable.



24 lb Activated Carbon Filter –

replaces the MP85 on the Duster 3000 Fume Control models.

Captures gas phase pollutants.

Available as a treated filter for special applications.

It is not cleanable.

Activated Carbon

What is Activated Carbon ?

- Activated carbon is “a molecular trap”.
- It is used for gas phase adsorption of toxic fumes, odors and chemicals.

Properties

- Extremely high internal surface area (1200 – 1500 M²/g.).
- impurities are held on the surface by either physical capture (weak molecular forces) or by stronger chemical reaction.

Treated Carbon

- The adsorption efficiency of certain chemicals may be increased by adding a catalyst such as potassium hydroxide or potassium permanganate.

CF series carbon filters are refillable.

Available as standard duty or heavy duty “fume control” filters.

100% fill and the sturdy metal frames with bonded screens are designed for multiple refilling.

The carbon must be replaced when it is saturated – usually every six months to one year or longer.

Activated Carbon – compound removal

Activated Carbon removes:

Acetone	Methyl Ethyl Ketone	Styrene
Benzene	Naptha	Toluene
Chlorobenzene	Nitrobenzene	
Chloroform	Ozone	
Gasoline	Paint Fumes	
Methylene Chloride	Perchloroethylene	
Methyl Chloroform	Pyridine	

Treated Activated Carbon removes:

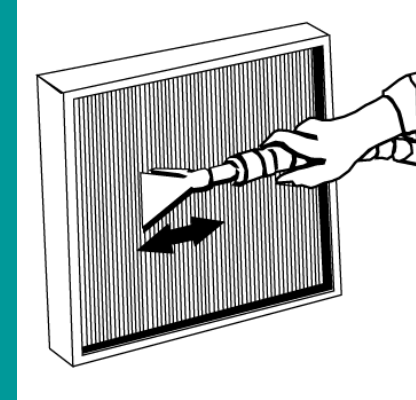
Acetylene	Formaldehyde
Ammonia	Hydrogen Sulphide
Blue Print Room	Methanol
Butyl Amine	Nitrogen Dioxide
Ethanol	Phosphine
Ethylene	Sulfur Dioxide

This list is just a small sample of the compounds that can be removed.

Filters – cleaning

Dust Pads and HP Intake Filters are cleanable

- Remove Dust Pad from metal frame.
- Vacuum or use compressed air.
- Vacuum pleated Intake filter



The HP Intake Filters may also be pressure washed Bi-annually.

The CF Carbon filters are designed to be refilled

Where are Dusters in use?

Dusters are currently used in the following industries:

- **Graphic Arts and Printing**
 - Offset Press rooms
 - Web Press rooms
 - Pre press
 - CTP/Digital
 - Screen Printing
 - Wide Format Printing
 - Flexo Printing
 - Sign Industry
- **Autobody repair**
- **Woodworking**
- **Industrial**
 - Welding/Fabricating
 - Machine shops
- **Home Workshops**
- **Offices**
- **Smoking Rooms**
- **Beauty Salons**



Dusters can be used anywhere there is unsatisfactory Indoor Air Quality

Dusters in use



Duster 3000 in a printshop



Duster 2000 in a signshop



Duster 3000 Downdraft in an autobody shop



Duster 3000 in a woodshop 23

Some well known users

- General Motors.
- United Nations.
- Honda Research Center.
- Worker's Compensation Board of British Columbia.
- Sir Speedy Franchises.
- PIP Franchises.
- Minuteman Press Franchises.
- Allegra Print and Imaging Franchises.
- Bowne of Toronto.
- Bible Fellowship International.
- Insurance Corporation of British Columbia
- House of Commons, Ottawa



For more information contact CPAC Imaging at:

**CPAC, Inc. 2364 Leicester Road
Leicester, NY 14481**

Toll Free: 1-800-477-1417

Phone: 585-382-3223

Fax: 585-382-9481

Web Address: www.cpacimaging.com