

# *Duster* **3000 DOWNDRAFT**

**The Total Solution to  
Shop Air Pollution**

*Designed, Engineered and Proven  
in the Body Shop Industry since 1992*



## **MOBILE PREP STATION**

*(Portable Air Filtration System)*

**Model No. 00301**

**Meets EPA Compliancy\***

*(\*Ask for details and conditions)*



Manufactured by

# ICA

ISLAND CLEAN AIR

Choose the Air you breathe

[www.islandcleanair.com](http://www.islandcleanair.com)

**800-661-8211**

# The **Duster 3000 DOWNDRAFT**

REMAINS THE "ORIGINAL" MOBILE PREP STATION

Since 1992

The **Duster 3000 DOWNDRAFT** is used throughout Canada, the United States, Japan and since 2001 expanded into Europe and Russia. Here is just a sampling of its diversified use.

- ★ Independent and Franchised Collision Repair Shops
- ★ New & Used Car and Truck Dealerships
- ★ Approved by GM and Ford - Dealer Equipment Programs
- ★ Custom Car Shop – Foos Design and Unique Performance
- ★ **OVERHAULIN'** TV series on TLC
- ★ **POWERBLOCK** TV series on SPIKE TV
- ★ Classic, Antique and Muscle Car Restoration Shops
- ★ Vocational Technical Schools
- ★ US and Canadian Military



Photo courtesy of TLC - OVERHAULIN'

## Benefits



"Cleaner shop environment"

- ✓ Provides cleaner air for worker environment
- ✓ Reduce sick days
- ✓ Reduces winter heating and summer air conditioning costs
- ✓ Quick return on capital equipment investment - less than 24 months
- ✓ Reduces redos caused by cross contamination
- ✓ Energy Efficient – economical to operate
- ✓ Mobile - easily moved to where it is required
- ✓ Efficient use of production floor space
- ✓ No ventilation or makeup air required
- ✓ Powerful motor re-circulates air at over 3,000 cfm

## Features

- ◆ Operates on standard 110 Vac power
- ◆ No assembly required - delivered ready to use
- ◆ Easy to replace multi stage filters
- ◆ Captures particulate down to 3 microns
- ◆ Efficiency - 98% Average Dust Spot Efficiency
- ◆ Quiet operation (67db, conversation level)
- ◆ Lightweight and mobile (181 lbs / 84 kg)
- ◆ Small foot print (6.5 sq. ft. / 0.60m<sup>3</sup>)
- ◆ HazLoc Class 1 & 2 certification assures worker safety and insurance compliance
- ◆ Two light safety warning system provides visual status of machine and the filters for necessary action to be take by operator

## Intended use

- ❖ The **Duster 3000 DOWNDRAFT** is a mobile prep station designed and engineered to remove harmful airborne contaminants found in dust when sanding old paint, rusted metal and fillers.
- ❖ The **Duster 3000 DOWNDRAFT** should not be used as a substitute for a proper spray booth.
- ❖ No permit is required when the machine is used for dust capture.
- ❖ When considering it to capture paint overspray from small spray operations such as cut-ins, touch up or Small Medium Automotive Repair Technique (SMART) you must always check with your local regulatory authorities for proper application and approval.



"Sanding/grinding application"

# The Duster 3000 DOWNDRAFT

## A Solid Capital Equipment Investment

**Energy Savings:** The clean air that is discharged from the top of the machine will force the hot air that is trapped up on the ceiling back down to floor level within minutes. Shops with forced air heating systems will use less heating fuel in the winter. The electric motor operates on standard 110 Vac/12 Amps. Your cost per kilowatt hour works out to about the cost of a cup of coffee over an 8 hour shift.

**Return On Investment (ROI):** A normal return on capital equipment investment is about 18-24 months. Because the Duster 3000 Downdraft takes up very little floor space, only 6.5 sq. ft. (0.60 m<sup>3</sup>) it can be easily moved from station to station, this allows technicians to take it where the works is needed. No more waiting. Now more tying up fixed prep stations or your spray booth for small preparation jobs. This makes better and more efficient use of your floor space thereby increasing gross profit per square foot.

**Labor:** The cleaner the shop, the cleaner the customer's finished product. The machine reduces labor costs in clean-up, fewer redos by preventing overspray and dust from landing on other vehicles or cross contamination with less time spent on final detailing of customer's vehicle. A clean shop leaves your customers with a positive impression that their vehicle will be returned to them clean and dust free.

### Quick ROI

According to Matt Miller, owner of Carl's Body Shop after purchasing a Duster 3000 Downdraft he realized that he was able to prep two more vehicles per day through his shop without tying up the spray booth. His return on his investment was about 3 months instead of the normal 18-24 months!

**Carl's Body Shop,**  
Dayton, OH,  
(937) 253-5166.

## Filters

Each of the four (4) stage OEM filters is specifically deigned and engineered for maximum filtration while allowing maximum airflow over a greater velocity range i.e. from 2,200 cfm to 3,900 cfm enabling capture of harmful airborne particulates as small as 3 microns, including toxic fumes and vapors associated with body shop environments.

**Important:** Never substitute ICA's OEM filters for other brands that may look-a-like and cost less. They will not perform properly to stringent factory specifications and they will not seal properly causing dirty air to by-pass the filtration process harming the machine thereby jeopardizing employee safety and voiding factory warranty.



**Stage 1 - Part Number 11704**  
Pre-filter pad, fiberglass paint arrestor filter with Tackifier

**Cleanable**  
Life Expectancy 3-6 months depending on frequency of use and material used.



**Stage 2 - Part Number 11205**  
4" Metal framed pleated intake filter for greater surface area allowing air to pass at lower velocity capturing particulate down to five (5) microns.  
**Cleanable**  
Life Expectancy 3-6 months depending on frequency of use and material used.



**Stage 3 - Part Number 11209**  
2" - 7 lb Activated carbon filter, removes VOCs, ISOs, toxic fumes and odors  
**Not Cleanable**  
Life Expectancy 6-9 months depending on frequency of use and material used.



**Stage 4 - Part Number 11207**  
Viledon discharge top pocket filter. Large surface area for depth loading. 98% Average Dust Spot Efficiency.  
**Not Cleanable**  
Life Expectancy 6-12 months depending on frequency of use and material used.

### ACTIVATED CARBON FILTERS

Activated carbon adsorbs gas phase pollutants including VOCs and Isocyanates. The ability of adsorption is set out below.

### CARBON CAPACITY REFERENCE CHART

For standard activated carbon four index capacity values are defined as follows

4 = High Capacity      3 = Satisfactory  
2 = Borderline        1 = Poor

### TYPICAL HARMFUL AIRBORNE SUBSTANCES & CHEMICALS INDICATING ACTIVATED CARBON CAPACITY RATINGS

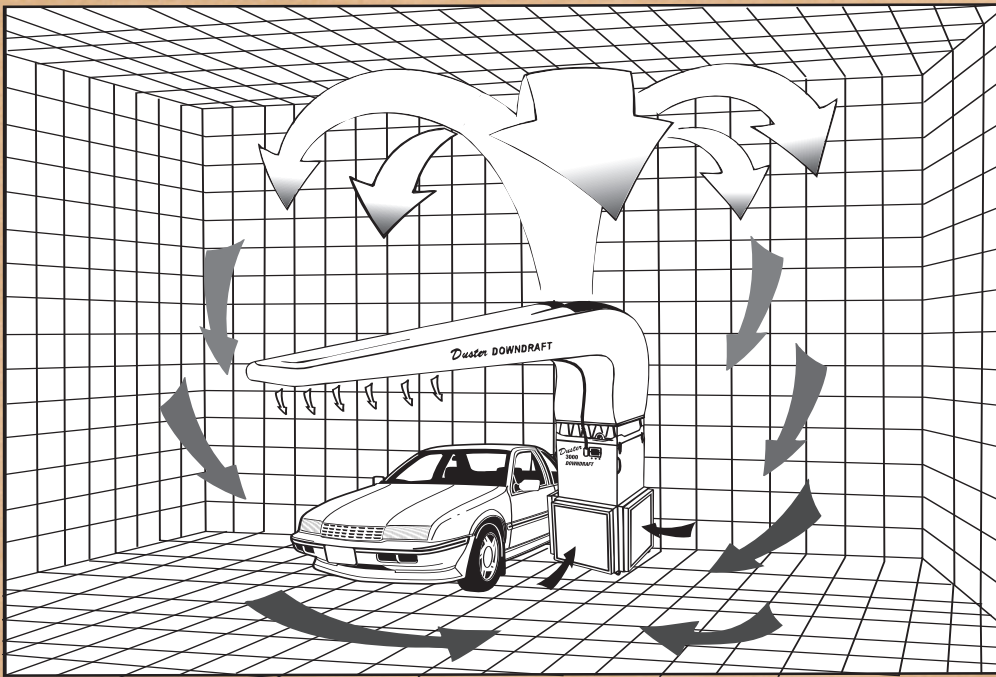
Acetone	3	Satisfactory
Benzenes	4	High Capacity
Butyl Acetate	4	High Capacity
Chlorobenzene	4	High Capacity
Chloroform	4	High Capacity
Ethyl Benzene	4	High Capacity
Gasoline	4	High Capacity
Hexane	3	Satisfactory
Hexamethylene	3	Satisfactory
Methylene Chloride	3	Satisfactory
Methyl Ethyl Ketone	4	High Capacity
Naphtha	4	High Capacity
Nitro Benzenes	4	High Capacity
Ozone	4	High Capacity
Paint Fumes	4	High Capacity
Perchloroethylene	4	High Capacity
Pyridine	4	High Capacity
Smoke	4	High Capacity
Solvents	3	Satisfactory
Styrene Monomer	4	High Capacity
Toluene	4	High Capacity
Xylenes	4	High Capacity

Check your manufacturer's product MSDS sheets for chemicals and substances used in your shop for verification.

# The Duster 3000 DOWNDRAFT

## How the Duster 3000 DOWNDRAFT Works

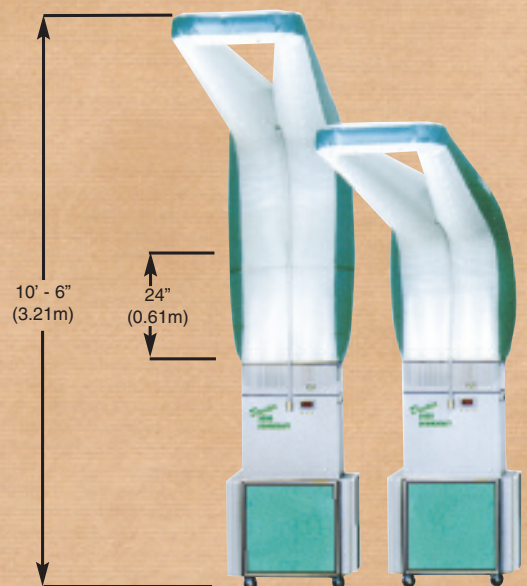
1. Positive airflow discharged from the top of machine creates a negative pressure "capture" zone at base of unit.
2. Dirty air is drawn in through the three intake openings at floor level.
3. Contaminated air is drawn through the four stage filters and cleaned down to 3 microns.
4. 95% of the clean air is discharged through the black discharge diffuser located on the elbow of the plenum creating the mushroom airflow affect.
5. The remaining 5% is discharged from the underside and along entire length of plenum.
6. Mushroom airflow pattern created will effectively clean up to 5000 sq ft floor area.
7. Air is continuously re-circulated at over 3000cfm as long as the filter media is properly maintained.



Go on line to  
[www.islandcleanair.com](http://www.islandcleanair.com)  
Under "Units"  
click on Duster 3000  
Downdraft  
to see How it Works.

### Truck Plenum Extension Part Number 00311

- ❖ 24" truck plenum extension raises plenum height to maximum operating height of 10' 6".
- ❖ Attaches by Velcro to the standard plenum and supported with an additional 24" PVC rod.
- ❖ Allows technician to remain under the plenum in clean air when perform tasks on large trucks, buses, and SUVs.



# The Duster 3000 DOWNDRAFT

## Specifications on Model 00301



Digital airflow monitor  
Normal readings between 3200 and 2400

### Safety light warning system

**Green** light indicates filters and system are in good working condition.  
**Yellow** light indicates that filters require cleaning or replacement.  
Power to the machine will automatically shut-off until filters are cleaned or replaced.

Construction:	Unit body, double zinc coated sheet metal, gray powder coat finish
Casters:	Heavy duty urethane swivel wheels
Weight:	Net 181 Lbs (84 Kg.) Gross shipping wt. 320 lbs (145 Kg.)
Size:	Base, 30" x 32" (0.8 m x 0.9 m)
Foot print:	6.5 sq. ft. (0.60 m <sup>2</sup> )
Height:	8'-6" (2.6 m) clear to top of plenum
Overall length:	11'-10" (3.6 m)
Electric motor:	1-1/3 HP, 110Vac, 12 amps, 1 Ph explosion proof, thermally protected
Electrical:	CSA HazLoc certification to Class I, Div. II, Group D and Class II, Div. II, Group F and G Sealed components for Hazardous Location (Hazloc) operation Two (2) light safety operating system
Options:	CE Electrical setup for 220 Vac Truck plenum extension

Duster 3000 Downdraft U.S. patent **No. 5312465.**

### Three (3) Year Limited Warranty

- ❖ Every **DUSTER 3000 DOWNDRAFT** is factory calibrated, inspected and tested prior to leaving the factory.
- ❖ Every machine is warranted to be free of defects and workmanship and materials for a period of three (3) years from date of delivery to customer (filters excluded).
- ❖ Full technical support from factory.

### Canadian Standards Association (CSA) HazLoc Certificate of Compliance File No. 1753632



*The "C" and "US" indicator adjacent to the CSA Mark signifies that the product has been evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada. This includes products eligible to bear NRTL indicator. NRTL, i.e. Nationally Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.*

MADE IN CANADA



# *The* **Duster** 3000 DOWNDRAFT *by*

## **This Product Really Works!**



ISLAND CLEAN AIR

**Choose the Air you breathe**

Here's what satisfied customers say about the mobile prep station

*"I recently purchased two Duster 3000 Downdraft Mobile Prep Stations from you. I had to write to tell you how impressed I am with these units. They have improved the air quality in my shop considerably. It was shocking to see what the filters on these units capture.*

*These units not only control the dust in the shop, they also filter odors of strong primers and paints right out of the air. It really is incredible. No more dust floating in the air. Even when the sun is shining in through the windows you can't see the usual particles hanging there.*

*This truly has changed the air quality in the shop. My employees have commented on this as well."*

**Jim Beckwith, Owner,  
Phaze 11, Autobody Inc,  
Westford, MA (978) 692-9459**



*Phaze 11 Autobody Photo courtesy of Andy Federilne Sales Co., Framingham, MA*



*"The bodyworking process can get things quite dusty, but with the Duster 3000, that dust can be controlled which makes clean-up a breeze. When you're doing your best you want the very best. That's why I chose the Duster 3000 by Island Clean Air."*

**Charley Hutton, Foose Design, CA**

## **Interesting factoids**

- ✦ Airborne pollution becomes invisible to the naked eye below 18 microns.
- ✦ Invisible airborne pollution can cause occupational asthma and other respiratory illnesses.
- ✦ According to OSHA, approximately 11 million workers are exposed to at least one of the numerous agents known to be associated with occupational asthma.
- ✦ The human respiratory system is not capable of filtering very fine airborne particulate.
- ✦ Lost time due to illness resulting in lost production time costs millions per year.
- ✦ Isocyanates are immediately released when grinding or sanding old paint.

***"Choose the Air you Breathe – Choose a Duster 3000 Downdraft"***

### **BODY SHOP DIVISION**

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