Duster 3000 DOWNDRAFT

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)

www.islandcleanair.com
800-661-8211
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 – Foose 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

**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. / 0.60m²)
- 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.

**Benefits**

- 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
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 m²) 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.

Filters

Each of the four (4) stage OEM filters is specifically designed 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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Rating</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>3</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Benzenes</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Chloroform</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Gasoline</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Hexane</td>
<td>3</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Hexamethylene</td>
<td>3</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Methylene Chloride</td>
<td>3</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Naphtha</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Nitro Benzenes</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Ozone</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Paint Fumes</td>
<td>4</td>
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<tr>
<td>Perchloroethylene</td>
<td>4</td>
<td>High Capacity</td>
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<tr>
<td>Pyridine</td>
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<td>Smoke</td>
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<tr>
<td>Solvents</td>
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<tr>
<td>Styrene Monomer</td>
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<td>High Capacity</td>
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<tr>
<td>Toluene</td>
<td>4</td>
<td>High Capacity</td>
</tr>
<tr>
<td>Xylenes</td>
<td>4</td>
<td>High Capacity</td>
</tr>
</tbody>
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Check your manufacturer’s product MSDS sheets for chemicals and substances used in your shop for verification.

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.
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 online to www.islandcleanair.comUnder “Units”click on Duster 3000 Downdraftto see How it Works.

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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.
### Specifications on Model 00301

**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 m²)
- 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 1, 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
- CE Electrical setup for 220 Vac
- Truck plenum extension

**Options:**

<table>
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<td>CE Electrical setup for 220 Vac</td>
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**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.

**Clearance**
- Height: 8'6" (2.6 m)
- Overall length: 11'-10" (3.6 m)

**Crated Height**
- 5'1" (1.55 m)
- Overall length: 11'-10" (3.6 m)

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**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.

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**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.

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

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**Duster 3000 Downdraft**

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**MADE IN CANADA**
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 II11, Autobody Inc, Westford, MA (978) 692-9459

“Here’s what satisfied customers say about the mobile prep station

“Choose the Air you Breathe – Choose a Duster 3000 Downdraft”

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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