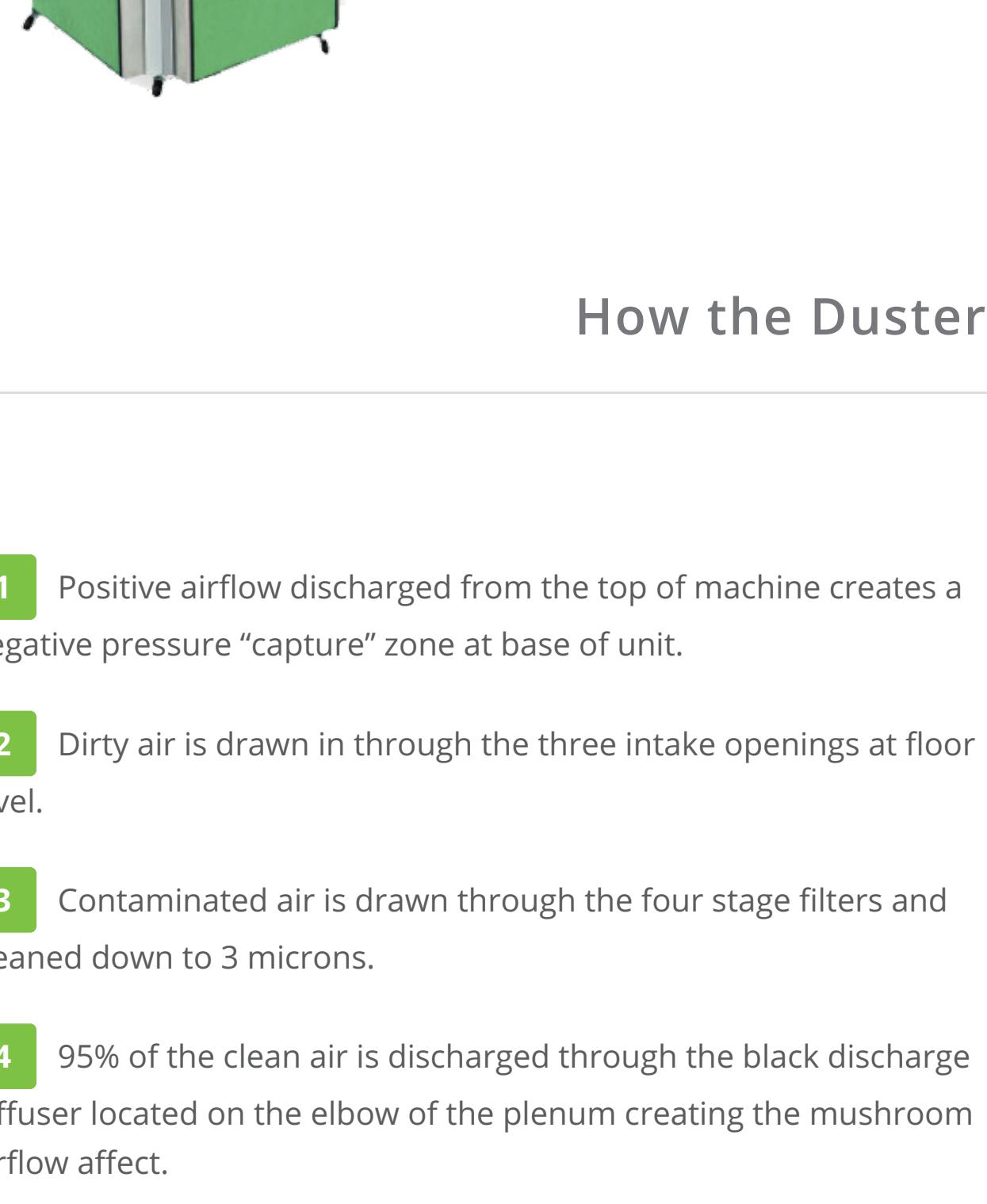


The Duster 3000 DownDraft

The total solution to shop air pollution.

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.

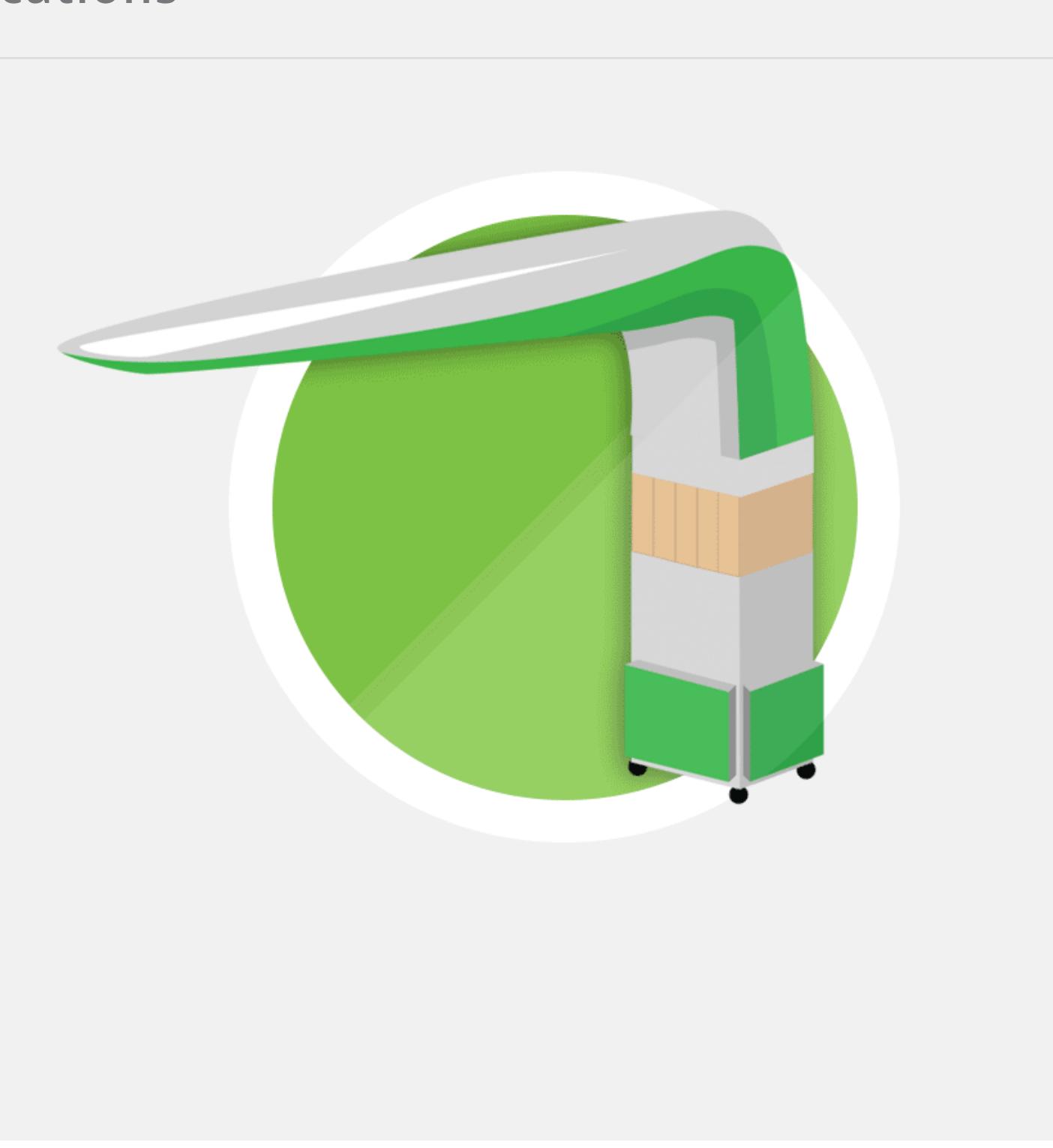


FEATURES INCLUDE:

- 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 6 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

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 effect.
- 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.



Specifications

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)

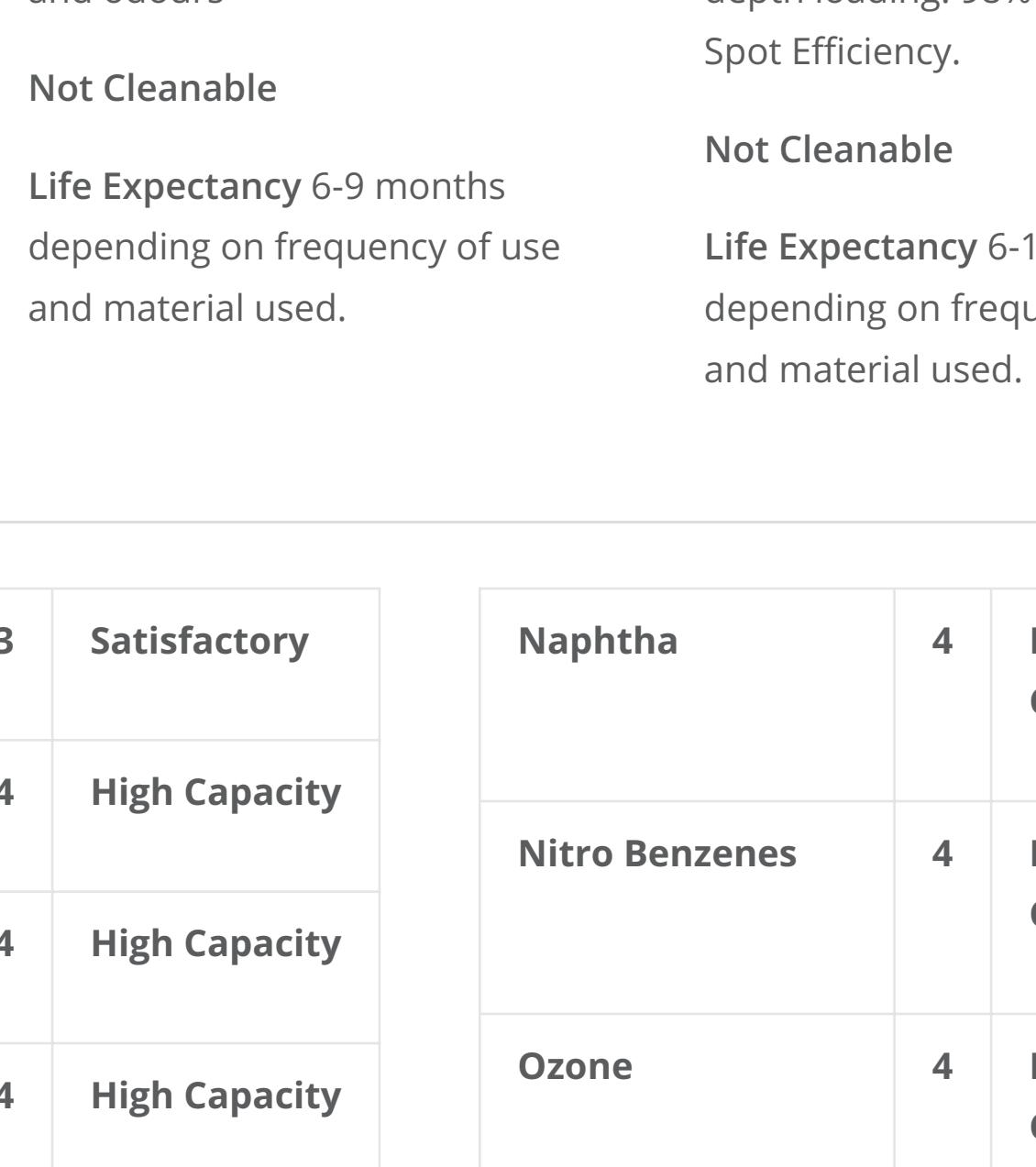
Foot print: 6.5 sq. ft. (0.60 m²)

Height: 8'-6" (2.6 m) clear to top of plenum

Overall length: 11'-10" (3.6 m)

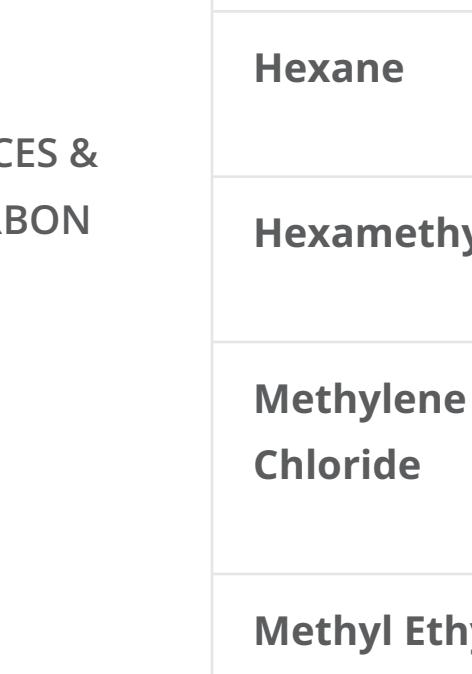
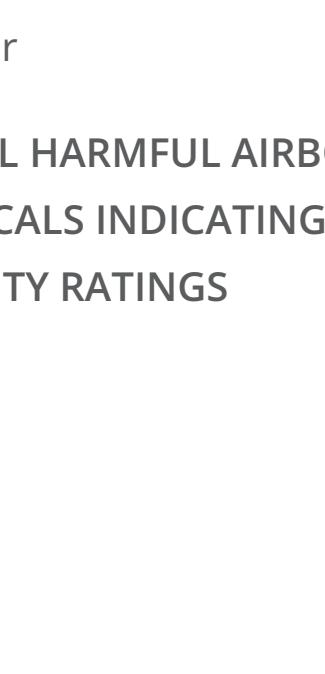
Electric motor: 1-1/3 HP, 110Vac, 12 amps, 1 Ph explosion proof, thermally protected Electrical: CSA HazLoc certification to Class 1, Div. II, Group D and Class II, Div. II, Group F and G Sealed components for Hazardous Location (HazLoc) operation Two (2) light safety operating system

Options: CE Electrical setup for 220 Vac Truck plenum extension



Four Stage Filter System

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 vapours associated with body shop environments.



Stage 1

PART NUMBER 11703

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 odours

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

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

REGULATORY STATUS

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