

MOBILE FILTRATION SYSTEMS · IN INDUSTRIAL USE FOR OVER 20 YEARS

DUSTER 3000

Fume Control

The mobile filtration unit for solvent vapors and fine dust. It captures ink and cleaning agent fumes, VOCs and invisible dust right where they are generated – and runs on a standard outlet.



5,100

M³/H SUCTION
CAPACITY

1 µm

FILTRATION LIMIT

465 m²

CLEANING AREA

4 stages

WITH DOUBLE
ACTIVATED CARBON

0.6 m²

FOOTPRINT

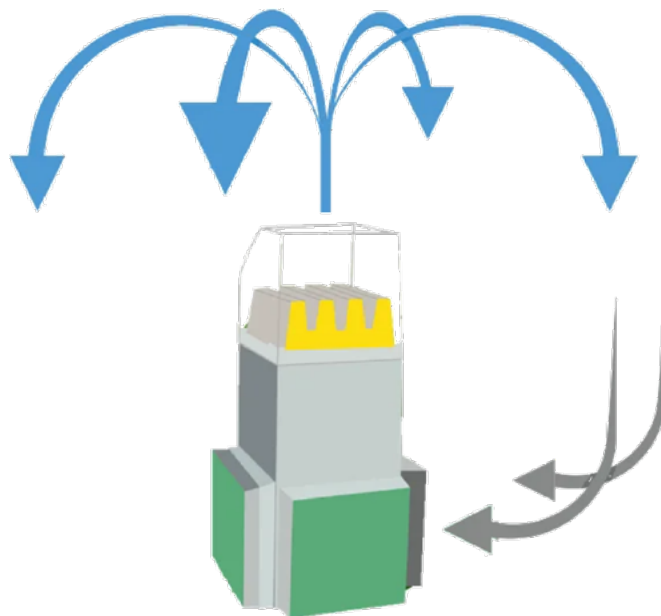
Clean air at the machine, without an HVAC system.

THE PROBLEM

Solvent-based inks, cleaning agents and adhesives release vapors that no one can see but that are inhaled every day. On top of that, spray powder, paper dust and airborne fibers spread throughout the room and settle, for example, on freshly printed sheets. A permanently installed ventilation system tackles this at great expense and usually in the wrong place, because it ventilates the entire room instead of capturing the source.

THE SOLUTION

The DUSTER 3000 Fume Control works the other way round. It draws in contaminated air at floor level, passes it through four filter stages including two activated carbon stages, and returns it purified into the room from the top. This creates a circulating airflow that covers a floor area of up to **465 m²**. The unit stands on casters and can be moved to whichever machine is currently in use. Because the purified air stays in the room, there are no additional heating or cooling costs as with a fixed exhaust system.



Circulating airflow

Intake at floor level, purified air returned upward — up to 465 m² floor area.



No construction work.

The unit arrives fully assembled and only needs a power outlet. No wall breakthrough, no exhaust duct, no installation effort.



Two activated carbon stages.

Stage 3 uses 6.8 kg of activated carbon pellets, stage 4 a further 10.9 kg of granular activated carbon. Together that is about 27 kg of adsorbent, designed for vapors and VOCs rather than dust.



Ready wherever you need it.

84 kg on heavy-duty urethane swivel casters, 0.6 m² footprint. The unit moves to the next workstation in seconds.



The Fume Control is designed for **vapors and VOCs**. For paint mist and sanding dust at the component, the DUSTER 3000 Downdraft is the right system.

Here's how the Fume Control works.

The positive airflow from the top of the unit creates a **negative pressure zone** at the base. Through three intake vents at floor level, the unit draws in contaminated air where vapors and dust accumulate. After four filter stages, the air exits the unit at the top and spreads across the room in a mushroom-shaped flow pattern. As long as the filters are maintained, the unit circulates up to **5,100 m³ of air per hour**.

Technical data

Suction capacity	up to 5,100 m ³ /h
Filtration limit	1 µm · with MP-85 0.3 µm
Total activated carbon	about 27 kg
Cleaning area	up to 465 m ²
Dimensions W×H×D	864 × 1,830 × 737 mm
Weight	84 kg
Electrical connection	230 V · 50 Hz · single-phase
Motor	1-1/3 HP · explosion-proof
Operating noise level	67 dB
Housing	Galvanized steel, powder-coated

Four filter stages

Stage 1 Prefilter
Captures visible dust, spray powder and paint particles and protects the downstream stages.

Stage 2 Main filter
Pleated metal-frame filter with a large surface area. Captures particles down to 1 µm.

Stage 3 Activated carbon filter
6.8 kg of activated carbon pellets in a metal frame. Removes VOCs, isocyanates, toxic vapors and odors.

Stage 4 Activated carbon top filter
10.9 kg of granular activated carbon for high vapor loads.

Safety & features



ATEX Zone 2 (II 3G)

Directive 2014/34/EU. Included as standard, not an optional extra.



CE marked

CE marking by cleanAIR.



Automatic filter monitoring

The only unit on the market with digital filter monitoring.

REFERENCES

From family-run businesses to DAX-listed corporations.

These companies rely on DUSTER 3000 systems:



Filter performance depends on the carbon.

The amount of contaminants an activated carbon filter can remove depends directly on the quantity and quality of the carbon used. Copies with less filling look the same in the frame but are exhausted after a few weeks without anyone noticing. The original filters for the Fume Control are designed for solvents, VOCs and isocyanates.

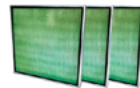
cleanAIR supplies them directly from stock.



Pre-filter mat

Traps coarse dust, loose powder, and paint particles.

Service life 3–6 months · 1 set = 3 pieces
Item no. 11703



HP90 Intake Filter

Pleated filter in a metal frame, filtration down to 1 µm.

Service life 3–6 months · 1 set = 3 pieces
Item no. 11204



CF2R Activated Carbon Filter

6.8 kg of activated carbon pellets for absorbing VOCs, isocyanates, and solvent vapors.

Service life 9–18 months · 1 piece
Item no. 11406



AC24 Activated Carbon Top Filter

10.9 kg of granular activated carbon for high vapor loads.

Service life 9–18 months · 1 piece
Item no. 11401

Activated carbon and service life

Activated carbon adsorbs gaseous pollutants to different degrees. Capacity is high for common solvents, including toluene, xylene, butyl acetate, benzenes, styrene, naphtha and paint fumes. For acetone, hexane and solvent mixtures, capacity is good. The actual service life depends on concentration, temperature and humidity at the workplace, which is why we define the replacement intervals together with you.



User manual, filter order form & conformity documents

All documents available for download at www.duster-3000.com/en – or scan the QR code.

You decide what kind of air you breathe.

Request a consultation – free of charge and without obligation.



Call directly

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**REQUEST A
QUOTE**



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