

MOBILE DUST COLLECTORS

DC-12/ATEX



AIRBLAST



Airblast Mobile Dust Collectors

Compact, flexible and well designed. These are the main features of the Airblast mobile dust collection systems, either standard or designed specifically for the job on hand.

DC-12/ATEX

Mobile "explosion proof" cartridge dust-filter unit suitable for dust-extraction during metallization with 85/15 zinc/aluminium wire or 100% zinc made of steel sheet 3 mm reinforced with steel profiles.

Consisting of:

- Complete ATEX Explosion proof cartridge dust-filter suitable for dust-extraction during metallization with 85/15 zinc/aluminium wire and blasting. Max. KST 250 bar•m/s.
- Pressure relief valve including flame extinguisher.
- Directly driven ventilator suitable for zone 21.
- Ventilator is provided with an encasing for noise reduction, Noise level approx. 72 dbA.
- Ducting including back pressure valve and special pre-separator.
- Air exhaust is including silencer.
- The complete installation is grounded, ground terminal will be provided by the customer; connection close to the filter unit.

MOBILE DUST COLLECTOR DC-12/ATEX

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| Exhaust capacity (m ³ /hr) | 6000 |
| Max. KST-value (bar•m/s) | 250 |
| Total pressure (Pa) | 3200 |
| Electric motor (kW) (Volt) (Hz) | 7,5 400 50 |
| Fan | EX II 3D T 80 °C - directly driven |
| Filter cartridges (pcs.) | 12 |
| Filter area (m ²) | 187,2 |
| Filter material | anti static |
| Filter category | BIA category M |
| Filter percentage (%) | 99,9 |
| Max. dust emission (mg/nm ³) | < 0,2 |
| Cleaning | automatic pressure air; max. 6 bar |
| Hose connection (Ø mm) | 300 |
| Cleaning pressure (bar) | ± 5 |
| Sequence | adjustable |
| Filter percentage (%) | 99,9 |
| Pneumatic connection | ½" |
| Dust collecting (drum in ltr.) | 50 |
| Weight | ± 1150 |
| Dimensions Total length (mm) Width (mm) Height (mm) | 4410 1580 2440 |



Pressure relief valve incl. flame extinguisher



Back pressure valve



Ventilator with isolated material



Silencer on exhaust



Drum for dust



Electrical panel

Electrical panel with automatic switch controllers, mains switch, signalling lamps and control buttons for 1 ventilator and control unit for cartridge cleaning valves.

IP54 and colour RAL7032.