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DEDUSTER

An ever-increasing sensitivity demands a rethink when dealing with dust-generating work. With its dust extraction systems, deconta offers the technical solution for handling mineral dusts, metallic dusts or wood dusts.

ME 12 | Article-Nr. 565

ME 12	
Power connection	400V 32A 3 N PE
Hose connection	2 x NW 300
Dimensions [mm]	5200 x 2000 x 2010
Weight [kg]	1400
Extraction air volume [m³/h]	up to 12000
Suction speed [m/s]	up to 25
Bunker volume [m³]	approx. 0,5

ME 8000 SE | Article-Nr. 634
ME 8000 | Article-Nr. 409

ME 8000	
Power connection	400V 32A, CEE plug 5-pole
Hose connection [mm]	2 x NW 300
Dimensions [mm]	2200 x 1735 x 2440-3440
Weight [kg]	1300
Air performance with filters [m³/h]	8000
Bunker volume [m³]	0,25

ME 25000 K1 | Article-Nr. 399

ME 25000 K1	
Power connection	400 V / 63 A, CEE surface-mounted plug 5-pole
Hose connection [mm]	4 x NW 300
Dimensions [mm]	3722 x 2447x 2654-4630
Telescopic height adjustment [m]	0,7, 1, 1,3, 1,6 und 1,9
Weight [kg]	4000 (with empty bunker)
Air performance with filters [m³/h]	25000
Bunker volume [m³]	0,4

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DEDUSTER

ME 12

The mobile deconta dedusting unit with regenerable filter system (automatic cleaning) and HEPA filters is designed for universal application of dust disposal measures such as façade cleaning, boiler cleaning, concrete renovation, demolition and blasting work.

Dust collection (via hoses) directly at the dust source prevents costly disruptions and downtimes (annoyed neighbours, official directives) and protects the health of employees. High-quality dust extraction enables parallel work to be carried out and increases efficiency.

Dust sources are extracted by the mobile dust extractor via flexible hose lines. The dust separated by the filter system is collected in the dust bunker.

FUNCTIONALITY OF THE FILTER SYSTEM

Regenerative filter stage
The captured fine dust is deposited on the filter surface and forms the ‘filter cake’ (coating). An automatic jet cleaning system cleans the filters during operation. The Venturi nozzles draw in external air through their suction effect and ‘shoot’ the filter cake from the inside to the outside. The cleaned dust is collected in the dust bunker and can be removed from there.

HEPA filter stage (dust-storing filter stage)
Captures suspended particles that cannot be captured by the regenerative filter stage. HEPA filter in accordance with EN 1822-1 with filter class H13.

ME 8000 and ME 25000 K1

The dust produced is collected in a dust bunker. To empty the bunker, the entire system is elevated using 4 telescopic supports. This creates sufficient height to accommodate a disposal container. To minimise dust during bunker emptying, the entire area underneath the system can be sealed off with foil.

ME 8000: The dust bunker is emptied via a gravity pendulum flap, where the accumulated dust is collected in a connected big bag and can be disposed of from there.

ME 25000 K1: The dust bunker is emptied via a rotary valve. The rotary valve is sealed via a gravity pendulum flap, where the accumulated dust is collected in a connected big bag and can be disposed of from there.

Functionality of the filter system
The captured fine dust is deposited on the surface of the filter cartridges and forms the ‘filter cake’ (coating). An automatic cleaning system cleans the filters during operation. Blow-off pipes ‘shoot’ the filter cake from the inside to the outside. The cleaned dust is collected in the dust bunker and can be removed from there via a rotary valve.