Ruwac
Industrial vacuums

Deduster Type DS 6:
Suction instead of vacuuming

Deduster with bag filter
Type DS 6

Direct drive motor
(radial fan)

Sheet steel housing

Bag filter
Dust class M

Manual cleaning

Suction connection

Dust collection bin

Easy-to-empty dust
collection bin

View film

Deduster with bag filter

- Standard version for Zone 22 (dust explosion-proof)
- Airborne dust is extracted DIRECTLY at the source or from the production machine
- Side of suction connection freely selectable
- Available with filter surface areas of 10 m^2 and 20 m^2

DS 64400
in nanotechnology

DS 63000
in sintered metal technology

DS 63000
in the packaging industry

DS 64000
in the pharmaceutical industry

DS 6
effective manual cleaning

Deduster with cartridge filter Type DS 6

Direct drive motor
(radial fan)

Residual dust filter
Dust class H

Compressed air cleaning

Suction connection

Sheet steel housing

Cartridge filter
Dust class M

Dust collection bin

View film

Deduster with cartridge filter

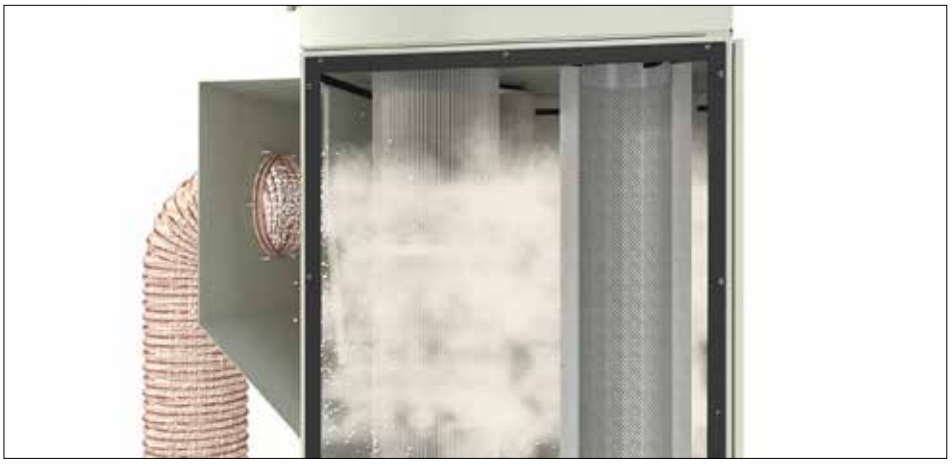
- Standard version for Zone 22 (dust explosion-proof)
- Airborne dust is extracted DIRECTLY at the source or from the production machine
- Filter dedusting during extraction
- Side of suction connection freely selectable
- Available with filter surface areas of 24 m^2 and 48 m^2

DS 63000
in metalworking

DS 64000
in food processing

DS 64400
in animal feed processing

DS 65600
in the cosmetics industry



DS 6 with differential pressure-controlled compressed air dedusting

Fire detection / fire fighting

Spark trap for spraying sparks
The spark trap consists of a separate housing incorporating a labyrinth insert of special sheet metal. The configuration of the labyrinth ensures multiple changes of direction for the air, thereby cooling the sparks.

Fire extinguisher
The detection hose is installed in the fire hazard area. It is pressurised and is connected to the fire extinguisher container.
In the event of fire, the hose adjacent to the seat of the fire becomes heated and, at a temperature of approx. 100°C, it bursts.
The resulting loss of pressure opens the valve on the fire extinguisher container, and the extinguishing medium flows out through the detection hose into the area where fire extinguishing is required.

Gas explosion-protected dedusters

Our expertise

We produce dedusters with matching accessories in accordance with **ATEX Directive 2014/34/EU** and the basic requirements of TRGS 727 (Technical Rules for Hazardous Substances) for the following applications:

- Use in Zone 1 or 2 explosive gas atmospheres
- Use in Zone 22
- Suitable for extracting combustible dusts
- Extraction of highly-insulating materials
- Can optionally be used for extracting carcinogenic, mutagenic or health-endangering substances
- Can optionally be used in Zone 21 areas potentially subject to dust explosion

Ex marking of the industrial vacuum cleaner

for zone 1 and zone 22

II 2G Ex eb IIC T3 Gb
II 3D Ex tc IIIC T125°C Dc

for zone 1 and zone 21

II 2G Ex eb IIC T3 Gb
II 2D Ex tb IIIC T125°C Db

for Zone 21

II 2D Ex tb IIIC T125°C Db

Technical data

	DS 63000	DS 64000	DS 64400	DS 65600	DS 66200
Housing	Sheet steel	Sheet steel	Sheet steel	Sheet steel	Sheet steel
Motor power (kW)	1.5	2.2	3.0*	4.0*	5.5*
Voltage (V)	400	400	400	400	400
Protection class (IP)	65	65	65	65	65
Vacuum (mbar)	-23	-27	-32	-35	-40
Air flow rate (m^3/h)	2,050	2,650	3,050	3,500	4.750
Air throughput (m^3/h) (measured at the fan)	3,300	4,500	5,000	6,700	6.200
Sound pressure level (dB(A)) (DIN EN ISO 3744)	69	71	72	73	76
Bag filter for dust class M (m^2)	10/20	10/20	10/20	10/20	10/20
Cartridge filter for dust class M (m^2)	24	24	24/48	24/48	24/48
Residual dust filter for dust class H (m^2)	36	36	36	36	36
Height (mm) (bag filter 10 m^2 for dust class M)	1,970	2,015	2,055	2,120	2,120
Height (mm) (bag filter 20 m^2 for dust class M)	2,570	2,615	2,655	2,720	2,720
Height (mm) (cartridge filter 24/48 m^2 for dust class M)	2,612	2,657	2,697	2,762	2,762
Height (mm) (bag filter 10 m^2 for dust class H)	2,375	2,420	2,460	2,525	2,525
Height (mm) (bag filter 20 m^2 for dust class H)	2,975	3,020	3,060	3,125	3,125
Height (mm) (cartridge filter 24/48 m^2 for dust class H)	3,017	3,062	3,102	3,167	3,167
Width (bag filter 10/20 m^2)	921	942	942	973	973
Length (bag filter 10/20 m^2)	805	805	805	920	930
Width (cartridge filter 24 m^2)	1,027	1,027	1,027	1,027	1,027
Length (cartridge filter 24 m^2)	815	815	815	920	920
Width (cartridge filter 48 m^2)	1,355	1,355	1,355	1,355	1,355
Length (cartridge filter 48 m^2)	1,150	1,150	1,150	1,220	1,220
Dust collection bin capacity (litres) with filter surface area of 10, 20, 24 m^2	55	55	55	55	55
Dust collection bin capacity (litres) with filter surface area of 48 m^2	-	-	2 x 55	2 x 55	2 x 55
Suction connection (mm)	200	200	200 / 2 x 200	200 / 2 x 200	200 / 2 x 200

* In order to ensure an optimum filter service life when separating dust, the air flow rate must be adjusted by means of suitable components so that the maximum air flow rate recommended by Ruwac of 2,000 m^3/h at the filter cartridges (24 m^2) is not exceeded.

The dimensions (height, width, length) apply only to the standard positions of the components.

Ruwac Industrial vacuums

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