

## DustStorm® filter

The DustStorm® filter is an under- and over-pressure filter, designed for continuous operation.

Constructed as a self-supporting sheet metal construction. The round design ensures great strength combined with low weight.

### Surface

Powder coated to corrosion class C3 cf. ISO 12944.

### Inlet

Contaminated air passes into the filter through the pressure loss optimised inlet, ensuring optimised separation of the dust particles.

DS-7 and 12 are supplied with total separators.

### Cleaning system

DS-7 EC and DS-12 EC have EC cleaning.

### Discharge system

DustStorm® filter is available with conical or scraper bottom. The DS filter is also available as a silo filter. DS-7 is only available with conical bottom.

### ATEX

DustStorm® filter is fitted with approved explosion membranes with side relief venting. The filters fulfil pressure shock-resistance according to VDI 2263. Venting according to VDI 3673. The DS filter with external compressed air source is supplied ATEX-approved.

### Operating range

Pressure: +/- 5000 Pa

Filter area: 38-188 m<sup>2</sup>

Max. operating temperature: 70°C

Min. operating temperature: -20°C (available down to -40°C)

### Connection DS-12

#### Gear motor scraper bottom:

DS-12-S: 0.25 kW, 15.7 min<sup>-1</sup>, 3 x 400 V, 50 Hz, 1.1 A

#### Inductive sensor scraper bottom:

24 VDC.

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Connection DS-7 EC and DS-12 EC

EC filter control system:

0.2 kW, 1 x 230 V, 50 Hz, 0.8 A

External compressed air – EC cleaning system:

5 bar, min. 400 NI/min.

Air quality according to ISO 8573-1: 2010 [5:3:4]

External connection: ¼" internal thread.

Integrated fan:

DS-7 E EC: 4.0 kW, 3 x 400 V, 50 Hz, 11.0 A (JK-30MTD)

DS-12 E EC: 11.0 kW, 3 x 400 V, 50 Hz, 19.0 A (JK-40MTD)

Accessories

Ladder/gangway:

Ladder/gangway designed according to ISO/EN/DIN 14122.3/4 and available in several configurations.

Monitoring equipment for explosion membrane.

Door contacts:

2.3 (close-before-switch-contact) in accordance with EN50047, IP67 NC contact.

Noise

Noise level during cleaning measured at 5 m above ground.

DS-7 EC and DS-12 EC: 70.0 dBA

DS-7 EC E: 71.0 dBA

DS-12 EC E: 75.4 dBA



DS-EC-KE R



DS-EC-SE R



## DustStorm® filter

### Type designations

Filters are type-designated using a combination of letters and numbers separated by hyphens and spaces.

Designation DS-12 EC-K E-R thus describes a DustStorm® filter with 12 filter elements, EC-cleaning system, conical bottom, integrated fan, right inlet

DS-12 EC-K E-R

