

# SIGG Strahltechnik

## Dust separators with cartridge filters



Cartridge filters for special use in the sand blasting technology



SIGG 1000

### Even finest dusts are effectively filtered

Also in the blasting systems by SIGG Strahltechnik lots of dust is accumulated and must be filtered for recycling or disposal through the application of dust separators. Dust collectors with cartridge filters are intended for the special use in the sand blasting technology, providing clear sight and dust-free air within the blasting chamber. Due to their high degree of purity, they prove their value particularly during the separation of fine dusts.

The high performance separators cause a vacuum during the blasting process, providing an excellent range of sight within the cabin. The installed throttle valve or the frequency converter allow an infinite adjustment of the suction output and are thereby adaptable to various blasting abrasives.

### Dust is filtered out with cartridge filters

During the filtering, the dusty air firstly reaches the pre-separator, which removes the heavy dust particles and stores them in a dust bin. The remaining dust is effectively filtered out by means of the cartridge filters. The clean air conveyed by the ventilator, exits at the top through the muffler and can be returned to the working area.

#### Your benefits:

- **Impact separators (cyclone) may be fitted upstream**
- **Exhaust air recirculation into the working room**
- **Automatic filter cleaning**
- **Vibration-free, quiet operation**
- **Large filter area through cartridge filters**
- **Suitable for all blasting abrasives**
- **All devices are standardly equipped with mufflers**

### Did you know?

SIGG Strahltechnik also provides matching accessories and spare parts for your blasting system. In case your machine needs maintenance or repair, it would also be our pleasure to submit you an offer. Simply give us a call, tel. +49 (0) 7741 808 93 0 .

Oberflächen  
für Industrie  
und Technik

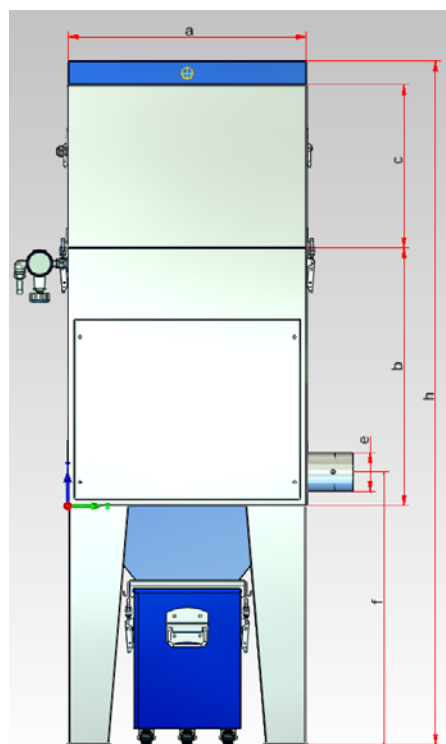
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# Technical Data

## Dust separators with cartridge filters

| Type                              | 600     | 1000    | 1500    | 1800    | 2400      | 4000        | 6000        |
|-----------------------------------|---------|---------|---------|---------|-----------|-------------|-------------|
| Air performance m <sup>3</sup> /h | 600     | 1000    | 1500    | 1800    | 2400      | 4000        | 6000        |
| Engine performance kW             | 1,1     | 1,1     | 1,5     | 2,2     | 3,0       | 7,5         | 15,0        |
| Number of filters                 | 1       | 1       | 3       | 3       | 4         | 8           | 12          |
| Filter area m <sup>2</sup>        | 7,50    | 7,50    | 11,25   | 15,00   | 30,00     | 60,00       | 90,00       |
| (a) Surface area                  | 600     | 600     | 600     | 600     | 850 x 850 | 1000 x 2000 | 2000 x 1500 |
| (b) Total height                  | 1730    | 1730    | 2050    | 2290    | 2280      | 2500        | 4650        |
| (c) Engine box height             | 480     | 480     | 520     | 520     | 740       | 690         | 1000        |
| (d) Filter part                   | 650     | 650     | 920     | 1160    | 950       | 970         | 1500        |
| (e) Suction piece ø               | 120     | 120     | 150     | 180     | 200       | 2 x 200     | 4 x 200     |
| (f) Nozzle height                 | 690     | 690     | 720     | 730     | 750       | 835         | 230         |
| Content dust container            | 25      | 25      | 25      | 25      | 58        | 2 x 25      | BigBag      |
| Noise level db(A)                 | 78 - 80 | 78 - 80 | 78 - 80 | 78 - 80 | 78 - 80   | 78 - 80     | 78 - 80     |

The special equipment also includes an absolute filter, the so-called police filter, which guarantees a residual dust content of less than 0,5 mg/m<sup>3</sup>. It is installed in a sheet metal casing between the filter and the motor housing, where it is affixed with clamps.



### Automatic cleaning and practical noise protection

The cartridge filters are automatically cleaned by compressed air impact. For this purpose, the filter part is furnished with a compressed air tank. The compressed air impacts are released through a magnetic valve. The cleaning intervals are controlled by a time relay and can be adjusted as required. The standard setting is a time interval of ten minutes.

By the way: The removable upper part of the dust separator is construed to function as a muffler. Also the electric engine with the fan wheel is mounted in this section of the unit. For service works the side parts can easily be taken off. A pressure reduction valve is installed in the dust separators with cartridge filters to reduce the compressed air pressure.

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