

SDCC-L



Dust collector type SDCC-L is a compressed air cleaned cartridge filter for continuous filtration of fine dust. The collector is not suitable for filtration of voluminous dust such as from wood, paper and textile. The circular gas inlet and outlet, can be swiveled to an optional position as the filter consists of several reciprocally adjustable parts. The separator is designed as an under pressure filter and can be located indoors or outdoors, if it is placed with protection from the weather.

Filter cleaning

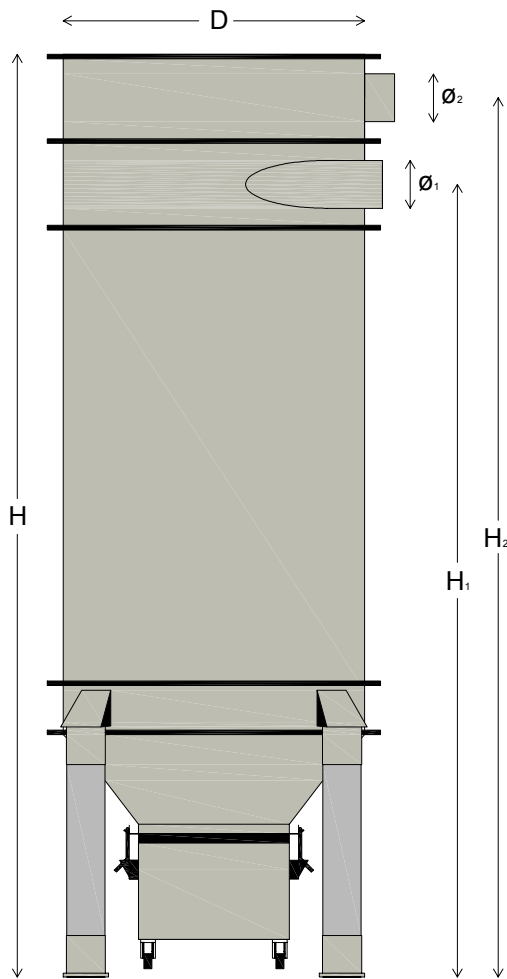
The dust laden air is filtered through filter cartridges, where the dust sticks to the outside. The filter cartridges are cleaned with short bursts of compressed air. Cleaning of the cartridges is done through a separate steering central or by cleaning automatics e.g. MT (extra equipment). For the most effective cleaning, the cartridges should also be cleaned when the fan is turned off.

Dust container

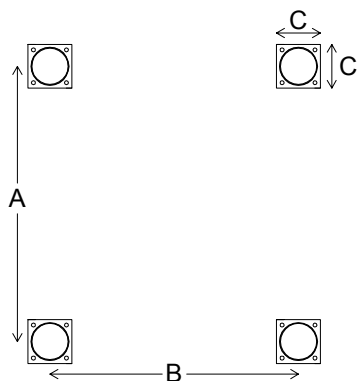
The dust is collected in a dust container, equipped with a plastic bag. The amount of dust should regularly be controlled and the plastic bag replaced if needed. The container can also, as an optional device, be equipped with a level sensor with an alarm protection against overfilling.

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Technical data



	SDCC-7,5-L	SDCC-11-L	SDCC-25-L	SDCC-40-L
D (mm)	450	630	800	1100
H (mm)	1700	2400	2400	2700
H1 (mm)	1225	1980	1980	2150
H2 (mm)	1470	2260	2260	2550
Ø1 inl. (mm)	102	200	200	250
Ø2 outl. (mm)	102	200	200	250
A (mm)	485	665	715	730
B (mm)	485	470	715	730
C (mm)	120	120	120	120
Filter (m ²)	7,5	10,5	25	40
No. of cartridges	1	1	1	4
No. of valves	1	1	1	4
Container (l)	90	90	90	90
Weight (kg)	65	110	180	220



Compressed air requirement: max 2 l/s, 4,5 bar, free of oil and water. Maximum gas temperature: +60° C.

The following service spaces need to be considered: minimum 800 mm in front of the filter and 500 mm above the filter.

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Installation and maintenance

Note! Service switches for fans must be turned off during maintenance. Use protective gloves, safety goggles and face mask.

Setting up

The separator must be installed on a flat and sturdy foundation, indoors or outdoors if protected from the weather. It consists of several reciprocally adjustable parts, as follows:

- Container for emptying with a dust liner
- Swivelling inlet section
- Filter section
- Swivelling outlet section/clean gas section with cleaning valves.

Loosen the ribbon clamps and position each section so that the service hatch and connection sleeves are aligned in a suitable way. Then tighten the ribbon clamps. Connect the channel for dust-laden air to the sleeve on the inlet section and the channel for clean air to the sleeve on the outlet section/clean gas section. Fit the supplied pressure equalization hose between the sleeve on the outlet and the sleeve on the dust container. The hose gives rise to an under pressure in the container to keep the plastic bag in place. The hose is to be fitted with slack so that the dust container can be removed when changing the plastic bag. Connect clean compressed air that is free of oil and water to the connection on the separator's upper section. Maximum air pressure 4, 5 bar. All electric installing should be done by a professional electrician.

Before putting into service, make sure that

- The compressed air has the right pressure.
- All connections are airtight and secure.
- The filter cartridges are correctly located.
- The inspection hatch is closed properly
- There is a plastic liner in the container.

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Regular maintenance

- The cartridges should be controlled twice a year and, if needed, replaced. Filter cartridges are consumables with a limited service-life; they normally need to be changed every two years.
- The plastic liner should be controlled regularly, about once a week and if needed, be changed.
- The hatches need to be controlled regularly to see if any leakage has occurred. If needed, the hatches should be tightened.

Spare parts and troubleshooting

No cleaning

- No compressed air or power
- Dirt in magnet valve
- Fault in control centre

Dust on clean side of filter

- Loose filter cartridges
- Defective filter cartridges

No extraction even though fan is working

- Blockage in pipe system
- Clogged filter cartridges
- Fault in control system

Spare parts

	Description	Fits:
PLBA-99	Plastic bag	
FP-0750	Filter cartridge L=600 mm	SDCC-7,5-L (1 pcs)
FP-0100	Filter cartridge L=900 mm	SDCC-11-L (1 pcs) och SDCC-40-L (4 pcs)
FP-0250	Filter cartridge L=1200 mm	SDCC-25 -L (1 pcs)
100097	Solenoid valve 1", 230 V 90°	

Declaration of conformity according to EU Directive 2006/42/EC.

Be aware that the unit may not go into service until the machine or the system it is to be included in, complies with the requirements of the EU machinery directive.