Photo: SPC 2 (RAL 7042/7011)

Used as pre-filter unit before filtration of process air that contains wads or possible flammable fibres and particles, e.g. from polishing.

The SPC-unit is available as a single cabinet with room for 1 prefilter and as a double cabinet with room for 2 prefilter and can be delivered with additional filter step through built-in F9-fine filter.

Air volume: Up to 8,000m³/h
Vacuum: Up to 5,000Pa

Description:

- Process air is led in thorugh inlet connection in the top
- Separation of wads and possible flammable fibres takes place in 1 or 2 steps:
  1. Longer fibres and wads are captured by the nylon-prefilter
  2. Possible fine filtration of dust in compact filter F9
- The clean air is led out through outlet connection in the bottom in the left side of SPC
- Filters are replaced as needed through hinged front door

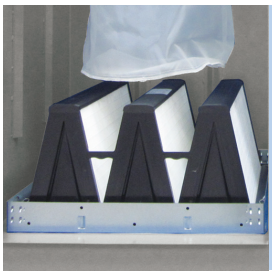
Simple connection and application:
Pre-filter unit type SPC is placed on an even surface on the mounted legs. Piping is connected to inlet and outlet that are made with nipple measurements. Is the SPC-unit used for pre-separation of wads without the risk of sparks/heat generation, the nylon-prefilter is only emptied, when it is nearly full or at too high differential pressure.

Is there a risk of heat generation, you should reduce the fire risk by taking the nylon-prefilter out after end use, when the SPC-unit is not used for a longer period, e.g. overnight. Dismounted nylon-prefilters should due to the fire risk not be emptied directly into a container. Therefore an additional prefilter is always included to be used, while the other “steams off” (can be placed e.g. in a closed steel container overnight, before it is emptied and is ready for use again).

Outlet can optional be placed right/left
Outlet is standard on the SPC mounted in the left side, but can easily on SPC 2 be moved to the right side

Service takes place thorugh front door
Replacement of filters can take place through front door.

Additional nylon-prefilter is included
An additional prefilter is always included to be used, while the other “steams off”, before it is emptied and is ready for use again.



SPC-unit is available with cmpact filter F9
Below in SPC the compact filter F9 592x592mm is mounted in clip frame.

Data is subject to alterations
Rev. 08.25

Filter monitoring: Is a F9-fine filter selected, you should regularly monitor the pressure drop over the filter in order to replace it, before the differential pressure exceeds the recommended maximum level. This is possible with the electronic filter guard type L1.

Filter material:

Standard	Material	Filtration Efficiency
Prefilter	Nylon-prefilter, pore opening in net of 0.25mm.	Separation of wads and fibres

Optional additional filter step:

Compact filter	Synthetic filter material mounted in plastiic fram 592x592x290mm	> 95% corresponding to filter class F9 according to DS EN779

PLEASE, NOTE:
Is the SPC-unit used for pre-separation of wads without the risk of sparks/heat generation, the nylon-prefilter is just emptied, when it is nearly full. Is there a risk for heat generation, you should reduce the fire risk by taking the nylon-prefilter out after end use, when the SPC-unit is not in use over a longer period, e.g. overnight.

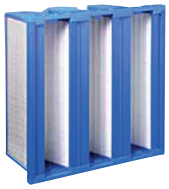


Photo: Compact filter F9

Photo: SPC 2 (RAL 5007/7011)

SPC 2
SPC is available in a double version, where the outlet can be place left/right optionally.

Here shown with both nylon-prefilter and compact filter F9.

Data is subject to alterations
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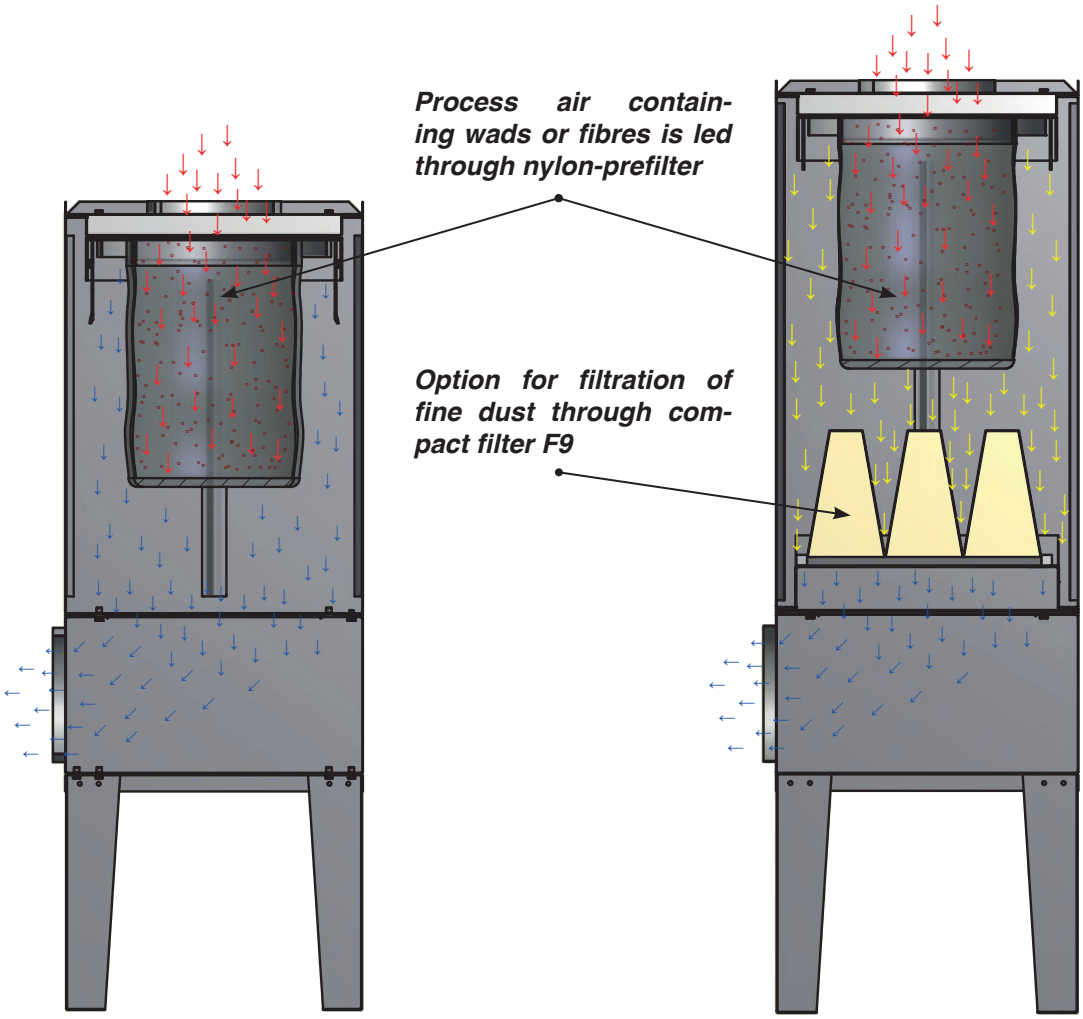
Principle sketch for flow through pre-filter unit type SPC with nylon-prefilter:

Principle sketch for flow through pre-filter unit type SPC with nylon-prefilter and compact filter F9:



Construction/surface:
Filter cabinet is made in 1.5mm black steel plate
Surface powder enamelled RAL 7042/7011 structure

Further is available:
- Nylon-prefilter with bottom, pore opening 0.25mm

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Pre-filter unit type SPC is available in the sizes as stated in the form below.

Please, contact us for assistance in selecting the optimal unit taking into consideration air volume, type and volume of fibre material, operation times etc.

Type	Order no.	Connection Inlet/outlet [mm]	Number prefilter	Number compact filter	Weight [kg]
SPC 1	04 393 300	ø315/ø315	2	-	94
SPC 1	04 393 200	ø315/ø315	2	1	120
SPC 2	04 394 100	2 x ø400/ø400	4	-	200
SPC 2	04 394 000	2 x ø400/ø400	4	2	280

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