

# FilterMax SFC

## Heavy duty general filter or spark trap for industrial applications



FilterMax SFC gives increased safety against release of dangerous dust into the atmosphere. The FilterMax SFC can also be used as a spark trap reducing the risk of fire in a main filter by catching sparks before they reach the filter.

If the air is re-circulated a FilterMax SFC is vital to maintain a safe work environment. In combination with a pressure switch the FilterMax can work as an emission alarm as well as a safety filter. One FilterMax SFC module filters the air from one FilterMax module.

The maximum capacity is 4000 m<sup>3</sup>/h (2400 cfm), at heavy loads this is reduced down to 2000 m<sup>3</sup>/h (1200 cfm). For general filtration of dust or fume the capacity is 2000 m<sup>3</sup>/h (1200 cfm). The FilterMax SFC cabinet can be equipped with straight inlets or a combinations of 90° and straight inlets. If the FilterMax SFC is used as a spark trap the capacity is 5000 m<sup>3</sup>/h (3000 cfm).

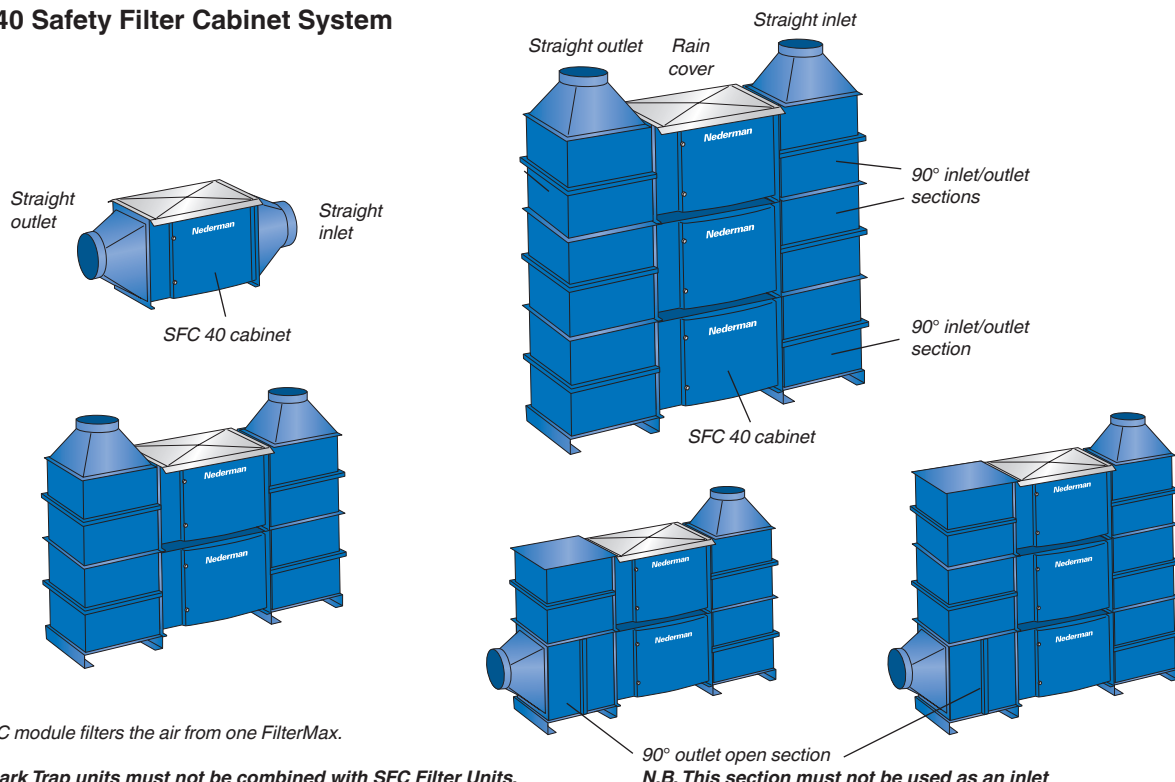
- Flexible
- Modular
- Sturdy design

### Models

Description	Part No
FilterMax SFC 40	12373910
FilterMax SFC 40 DX	12374228

### Combination examples

#### SFC 40 Safety Filter Cabinet System



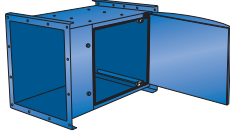
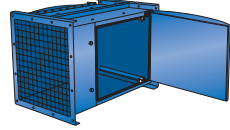
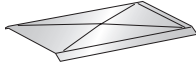


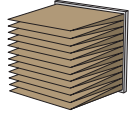
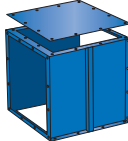
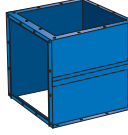
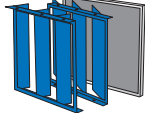
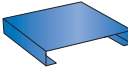
One SFC module filters the air from one FilterMax.

**SFC Spark Trap units must not be combined with SFC Filter Units.**

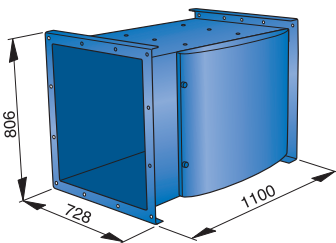
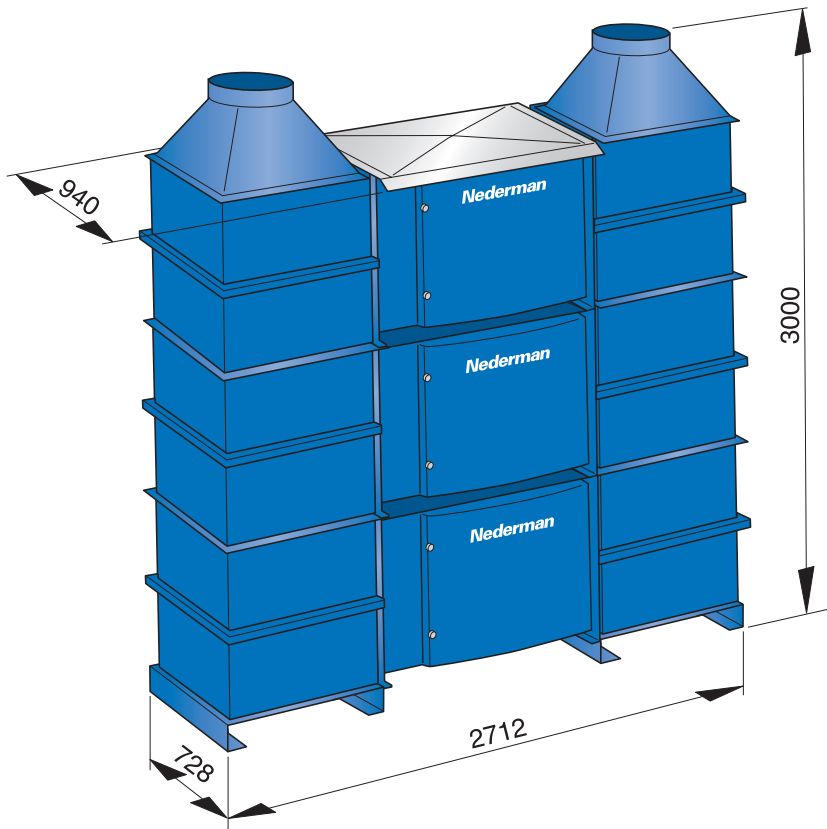
**N.B. This section must not be used as an inlet**

## System Parts

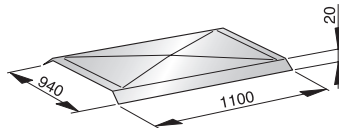
To get a complete system you need to choose your system parts

Description	Part. No	
FilterMax SFC 40 cabinet	12373910	
FilterMax SFC 40 cabinet DX	12374228	
Rain cover for FilterMax SFC 40	12374618	
Straight inlet for one module FilterMax SFC 40, rectangular to round Ø500 mm / Ø20"	12373918	
Straight inlet for one module of FilterMax SFC 40, rectangular to round Ø315 mm / Ø12"	12373911	
Bag filter EU8/F95, 9m <sup>2</sup> / 97ft <sup>2</sup> , 12 filter pockets High capacity glass fibre filter. Max operating dP 500 Pa. Recommended replacement dP 350 Pa	12373916	
90° inlet / outlet open section for FilterMax SFC 40	12374232	
90° inlet / outlet section for FilterMax SFC 40	12374230	
Spark trap for FilterMax SFC 40	12374547	
Bottom section for FilterMax SFC 40	12374619	
Pressure switch Indicates when the filter shall be replaced. Can be wired to a FilterMax for alarm. 100 - 1000 Pa for FilterMax SFC 40.	12374090	

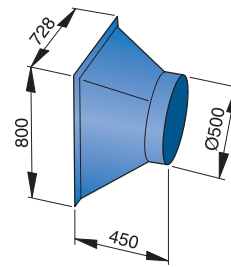
## Dimensions



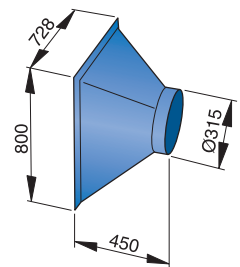
Safety Filter Cabinet



Rain cover



Inlet/Outlet Ø 500 mm



Inlet/Outlet Ø 315 mm

Dimensions	(Length x width x height)	
	mm	in
Safety filter cabinet	1100 x 728 x 806	43,3 x 28,7 x 31,7
Rain cover	1100 x 940 x 20	43,3 x 37,0 x 0,79
Inlet/Outlet Ø500 mm / Ø20"	450 x 728 x 800	17,7 x 37,0 x 31,5
Inlet/Outlet Ø315 mm / Ø12"	450 x 728 x 800	17,7 x 37,0 x 31,5
90° inlet / outlet	872 x 728 x 806	34,3 x 28,7 x 31,7
Bottom section	872 x 728 x 30	34,3 x 28,7 x 1,2

## Technical Data

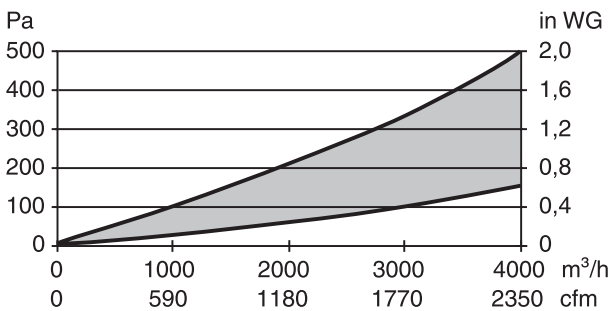
### SFC with bag filter EU8/F95

Total filter area	9 m <sup>2</sup> / 97 ft <sup>2</sup>
Filtration	Filter class F9 (EN779:2002) 78-83 % at 0.35-0.45 µm 95-99 % at 0.75-1.0 µm 99-100 % at 2.0-3.0 µm
Airflow (depending on load and application)	2000 - 4000 m <sup>3</sup> /h / module 1200 - 2400 cfm / module
Max operating pressure	dP 500 Pa / 2" WG
Recommended replacement	dP 350 Pa / 1.5" WG
Dimensioned pressure drop	see graph ΔP Bag filter
Ambient temperature	-20° C to +60° C / -5° F to 140° F
Process air (dry) temperature	0° C to +60° C / 32° F to 140° F Not condensing
Material description	2 mm painted steel, epoxy based zinc primer and top coat

### SFC with spark trap

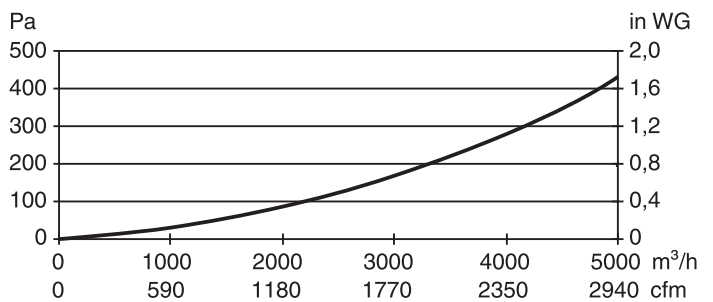
Filtration	2 stage spark trap
Airflow (depending on load and application)	2000 - 5000 m <sup>3</sup> /h / module 1200 - 3000 cfm / module
Max operating pressure	dP 500 Pa at 5000 m <sup>3</sup> /h / 2" WG at 3000 cfm
Dimensioned pressure drop	see graph ΔP Spark trap
Ambient temperature	-20° C to +60° C / -5° F to 140° F
Process air (dry) temperature	0° C to +60° C / 32° F to 140° F Not condensing
Material description	2 mm painted steel, epoxy based zinc primer and top coat

### Pressure drop, bag filter



Pressure drop over one module when the FilterMax SFC is with a bag filter.

### Pressure drop, spark trap



Pressure drop over one module when the FilterMax SFC is used as a spark trap.

## Environmental Data

Model	SFC	
	kg	lbs
Weight		
Safety filter cabinet	112	247
Rain Cover	13	29
Straight inlet/outlet Ø500 mm / Ø20"	17	37
Straight inlet/outlet Ø315 mm / Ø12"	14	31
90° inlet/outlet	50	110
Bottom section	38	84
Recovery level % of weight	99 %	

### FilterMax SFC 40 Industrial applications

