

Instructions for the BASIC BCFD Filter, Sizes 004–055

1. General

The BCFD filter section consists of a prefilter and a fine filter.

The prefilter is of compact filter type with class G4 filter medium or of knitted aluminium fabric. The fine filter is a class F5 or F7 long bag filter.

The compact filter has glass fibre medium and is self-supporting. The compact filter cassettes have a cardboard frame with high moisture resistance.

The filter material in the fine filter is glass fibre and the cassette frames are as standard made of polypropylene plastic.

The filters do not contain any metallic parts that restrict collecting efficiency. The filter medium can be scrapped at any authorised refuse station or incinerated after use.

The cassettes are run in guide rails, made of aluminium-zinc coated sheet steel to environment class M3, and are easy to withdraw.

The filter retainers have sealing strips and expansion locking devices for effective sealing.

The casing of the filter section is equipped with measurement tappings for connection to a U-tube manometer.

1.1 Specification

The version, size, etc. are specified in the delivery documents.

2. Installation

Install the filter sections as indicated by the air flow direction arrow on the framework. Fit the filter cassettes with their filter-covered surface facing the direction of air flow.

Warning!

Do not open inspection doors on the pressurized side downstream of the fan while the fan is running. The door may otherwise fly open and cause personal injury.

3. Maintenance

3.1 Filter replacement

The filter bags must be changed when the pressure drop in the filter is at the rated final pressure drop. However, it is advisable that they be replaced at least every six months. The Swegon Air Handling Unit Selection Program PMWIN is an indispensable aid for calculating the final pressure drop of the filters.

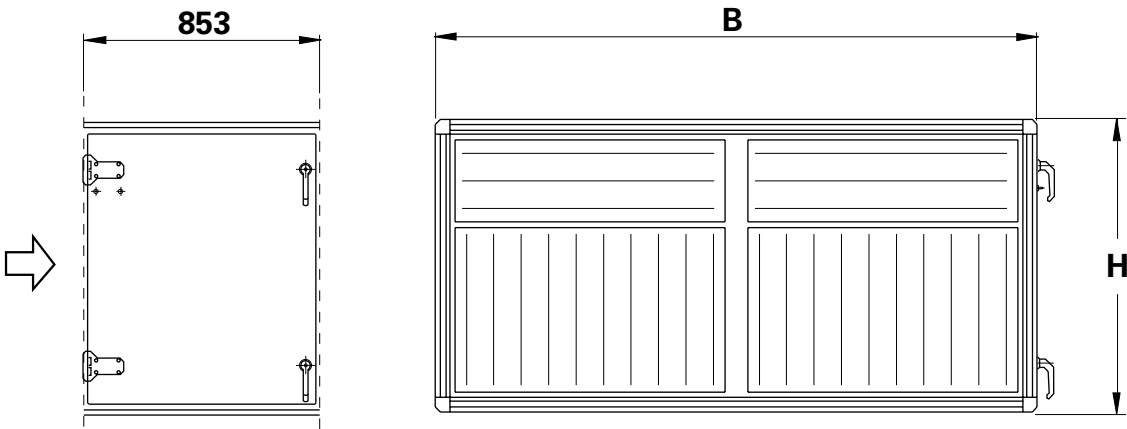


4. Technical data

4.1 Quantity of filter cassettes for each size

Cassette size \ Size of AHU	004	006	009	014	020	027	035	055
428X 428	2							
490X 490		2				4		
592X 592			2	1	3		8	10
490X 592				2		4		
592X 287					3			5

4.2 Dimensions



BCFD	B	H	Wgt., Std.	Wgt.,El 30
004	1039	546	52	68
006	1259	656	77	87
009	1459	756	78	100
014	1759	906	97	123
020	1946	1026	126	155
027	2306	1206	146	180
035	2706	1406	186	225
055	3206	1656	235	282