



**SETIMEP**

Engenharia • Ambiente • Energia  
Engineering • Environment • Energy

## DEDUSTING SYSTEM

**MODEL:**  
SET.FCS.DAC / STANDARD SERIES



### EQUIPMENT DESCRIPTION

Aspiration and dedusting system of different industrial operations as: cutting; pickling; burnishing; wood, plastic or metallic pieces rectification; dust manipulation operations, etc...

### PRINCIPAL COMPONENTS

Dedusting filter with automatic cleaning system.  
Polyester cartridges with antistatic aluminium coat, water repellent Ø 325x1200.(Maximum Temperature 140°C)  
Dust aspiration fan.  
Command and power supply electric panel.  
Easily removable reservoir with 70 liters of capacity.

### DEDUSTING SYSTEM

Cleaning system through counter-current compressed air jets with solenoid valves; 24 VDC power feeding; command with electric sequencer / economizer.

### DEDUSTING SYSTEM COMMAND

Automatic start and stop through programmable digital timer.

### GENERAL DIMENSIONS

Approximates measures without electric panel and without in/out dust duct. Ask us to know exact dimensions, dust in/out ducts positions and flanges of linking.

### TYPE OF CONSTRUCTION

Carbon steel and aluminum welded Construction. The carbon steel elements are scoured to the degree Sa 2 - 1/2, metallized and painted in accordance with specifications ESP.4 Surfaces treatment and painting type II.

### OTHER CHARACTERISTIQUES

- 99.6% Filtration efficiency/ emissions under 5mg/Nm<sup>3</sup>;
- Reduced work tax: 60m<sup>3</sup>/m<sup>2</sup>/h;
- Fan turbine equilibrated static and dynamically;
- Fan mounted on the filter base;
- Possibility of assembly the fan on the filter lateral;
- Easy access to the filter cartridges;
- Very compact filter;
- Conceived to occupy less space possible;
- Dedusting sequencer programmable for better efficiency/ less compressed air consumption;
- Instructions manual in Portuguese, English, Spanish or French;
- Certificate of conformity CE.

### OPTIONS

All the characteristics presented in this version (standard) can be modified corresponding to the customer necessities. SETIMEP quickly executes the project of new models with different dimensions and/or accessories such as: Different filter surfaces, different fans characteristics, aspiration, such as the gas, etc.

### The main options for this model of filter are:

- Maximum Level probe to inform the operator of the necessity to leak the deposit of the dust collector;
- Anti-explosion panel;
- Silencer exhaust in the clean air exit.
- Construction totally executed in stainless steel.
- Differential pressure control between the gases entrance and exit for the automatic cleaning system start related to the filter elements level of blockage (head loss).
- All kinds of pipes and accessories for execution of ventilation and dedusting systems.

MODEL	SET.FCS.DAC.090	SET.FCS.DAC.135	SET.FCS.DAC.180
Debit (Am <sup>3</sup> /h) 20°C	5.000	7.500	10.000
Total Pressure (mmca)	300	320	300
Motor (kw)	7,5	11	15
Width (mm)	1.476	1.476	1.890
Length (mm)	1.749	1.749	1.749
Height (mm)	2.370	2.810	2.810
Weight (kg)	1.220	1.370	1.980
Consumption A.C / 6bar (Nm <sup>3</sup> /h)	10	15	20
Filtration Elements (UNIT)	6	9	12

N.B. Anti-explosion panel no included in the basic supply, supplied by client request

