

Invented, designed and manufactured  
in Mirebeau (86) in France



# BAGHOUSE DUST COLLECTOR

## FDAPC

[stivent.com](http://stivent.com)

STIVENT INDUSTRIE® has developed dust extractors.

## PERFORMANCE - ECONOMICAL - SIMPLIFIED MAINTENANCE - LONGEVITY

**Specially conceived to treat heavy particles as well as fine dust**, baghouse dust collectors are characterised for their ability to manage high volumes of exhaust air. They are equipped with an automatic unclogging system that can be either pneumatically controlled (FDAPC) or mechanical (ROBOCYCL'AIR).

### OPERATIONS

- > Heavy dusts
- > Sandblasting
- > Sanding
- > Grinding
- > Polishing

### POLLUTANTS

- > Wood
- > Cement
- > Resins
- > Dusts
- > Metal
- > Various chips including those with ATEX risks



### OUR COMMITMENTS

- > **Efficient**, flow capacity from 6,000 to 45,000 m<sup>3</sup>/h.
- > **Effective**, guaranteeing discharge rates of less than 0.2mg/m<sup>3</sup> of air.
- > **Economical**, optimising filter longevity and maintenance costs through unclogging and a settling corridor that protects the bags and treats most of the particles, leaving only the fines to pass through by gravity.
- > **Adaptable**, can be fitted with an upstream air pre-separator cyclone.
- > **Versatile**, with a wide range of applications including food, plastics, metal, carbon, wood, composites, etc.



### SECTORS OF ACTIVITY



Wood trades



Aeronautics  
& Space



Automotive &  
Transportation



Agri-food  
industry



Chemistry  
& Materials

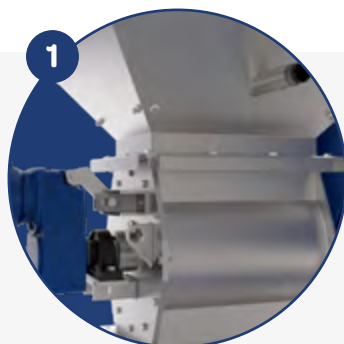


Construction  
industry



Metallurgy

## FDAPC MANUFACTURED IN STANDARD SIZES OR MADE TO MEASURE:



Option  
**Lock**



Option  
**Bucket 0,12m<sup>3</sup>**

### Options on request for the FDAPC and the Robocycl'air

- > Briquetting press
- > Crinoline platform
- > Locks
- > Dumpster support (chair)
- > Inox
- > Tamping and level sensor

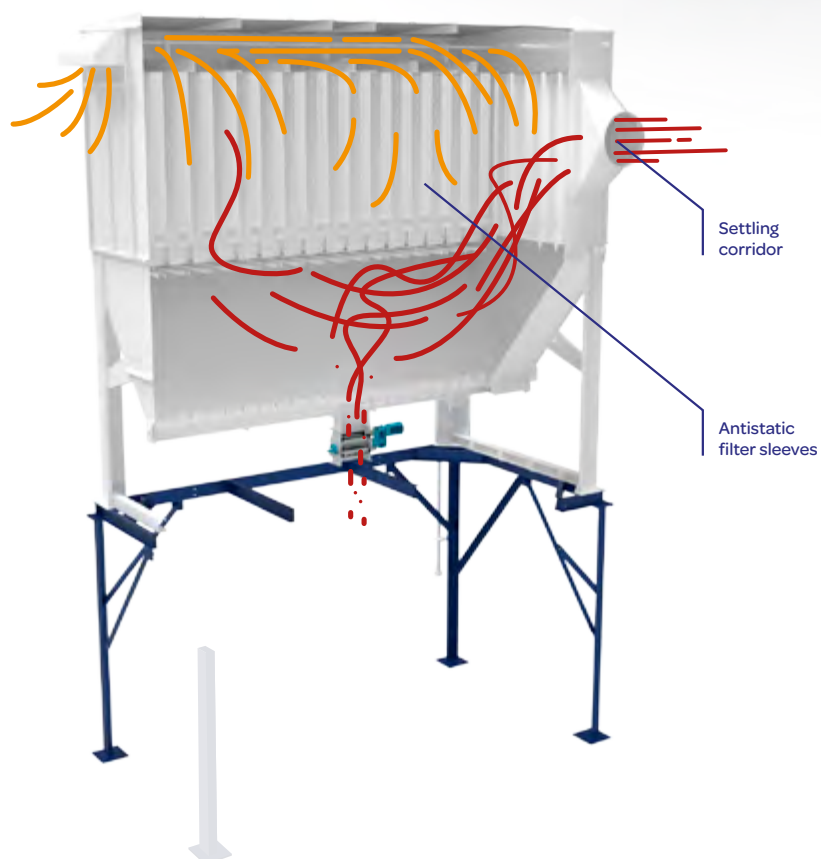


## AIR ROUTING AND TREATMENT

➤ ————— ➤  
Direction of air movement

— — — — —  
Pollutants entry

— — — — —  
**F7 filter**  
Clean air / filtered air  
Optimised filter regeneration in 1 hour



Description Baghouse dust collector	24	32	48	64	80	100	120	140	160	180
Filter width (mm)	1320	1320	2460	2460	3030	3030	3030	3030	3030	3030
Bag height in (mm)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Filter surface area of one bag in m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²
Filter surface area in m²	33	44	66	88	110	138	165	193	220	248
Loading rate in m³/m²/h	180	180	180	180	180	180	180	180	180	180
Max flow rate in m³/h	5940	7920	11880	15840	19800	24840	29700	34740	39600	44640
Filter height in mm	5080	5080	5080	5080	5080	5080	5080	5080	5080	5080
Filter width in mm	1320	1320	2460	2460	3030	3030	3030	3030	3030	3030
Filter length in mm	1890	3030	2460	3030	3030	3600	4170	4740	5310	5880
Height under lock (420) in mm	500	500	500	500	500	500	500	500	500	500
Weight in kg	1650	1850	2350	2600	3000	3500	3800	4100	4600	4800
Hopper number of sides	4	4	4	4	4	2	2	2	2	2
Number of vents	1	1	1	2	2	4	4	4	4	4
Pneumatic unclogging										
1 year guarantee on parts and manpower, wear parts excluded										

Description ROBOCYCL'AIR type filters	24	32	48	64	80	100	120	140	160	180
Filter width (mm)	1320	1320	2460	2460	3030	3030	3030	3030	3030	3030
Bag height in (mm)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Filter surface area of one bag in m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²	1.38m²
Filter surface area in m²	33	44	66	88	110	138	165	193	220	248
Loading rate in m³/m²/h	150	150	150	150	150	150	150	150	150	150
Max flow rate in m³/h	4950	6600	9900	13200	16500	20210	24750	28950	33000	37200
Filter height in mm	5080	5080	5080	5080	5080	5080	5080	5080	5080	5080
Filter width in mm	1320	1320	2460	2460	3030	3030	3030	3030	3030	3030
Filter length in mm	1890	3030	2460	3030	3030	3600	4170	4740	5310	5880
Height under lock (420) in mm	500	500	500	500	500	500	500	500	500	500
Weight in kg	1650	1850	2350	2600	3000	3500	3800	4100	4600	4800
Hopper number of sides	4	4	4	4	4	2	2	2	2	2
Number of vents	1	1	1	2	2	4	4	4	4	4
Number of vibrators	1	1	1	2	2	2	2	3	3	4
Vibrator by bag filter	24	32	48	32	40	40 et 60	60	40 et 60	40 et 60	40 et 60
Pneumatic unclogging										
1 year guarantee on parts and manpower, wear parts excluded										

## STANDARDS

They are self-certified ATEX, for the use of hazardous materials. A unitary LCIE certification is possible on request.



## YOU ARE LOOKING FOR SIMILAR PRODUCTS?

Do you need **to purify large volumes of air heavily laden with dust and chips?**

### CYCLOFILTER



Do you need **to purify air heavily laden with dust and chips?**

### CYCLONE



**STIVENT INDUSTRIE®, EXPERTS FOR VENTILATION SOLUTIONS.** Since 1962, STIVENT INDUSTRIE® is specialized in planning, manufacturing and installation of equipment for air treatment and industrial dust removal. Whether you want to improve working conditions of the operators, ensure the safety of materials and workers or protect the environment, STIVENT INDUSTRIE® proposes complete solutions and solutions made to measure.

**DO YOU HAVE A PARTICULAR NEED?  
CONTACT US**

All our products  
are available at  
**stivent.com**





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*Together,*  
we can give back **clean air** to the planet

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