



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



STC / STR cyclofilters

stivent.com

STIVENT INDUSTRIE®

offers a cyclofilter designed to extract all dust from large volumes of air using the cyclonic effect.

Autonomous - Resistant - Secure - Effective

Designed mainly to purify large volumes of air heavily laden with dust and heavy particles from your operations, cyclofilters combine centrifugal force to pre-separate the heaviest particles and bag filtration to complete the filtration process. They offer an effective and long-lasting solution, while preserving your maintenance costs. STIVENT INDUSTRIE® offers you its cyclofilter designed to extract all dust from large volumes of air thanks to the cyclonic effect.



POLLUTANTS

- > Wood
- > Cement
- > Dust
- > Various shavings, including those with ATEX risks



OPERATIONS

- > Sawmills
- > Heavy dust
- > Sandblasting
- > Operations creating chips

OUR COMMITMENTS

- > **Efficient**, flow capacity from 6 500 to 130 000 m³ /h
- > **Effective**, up to 99.99% of dense and/or voluminous dust.
- > **Economical**, fewer consumables, fewer spare parts, low maintenance cost.
- > **Convenient**, their design and the cleaning system mean that filter maintenance operations can be spaced out.

BUSINESS SECTORS



Health
& Pharma



Aeronautics
& Space



Automotive &
Transportation



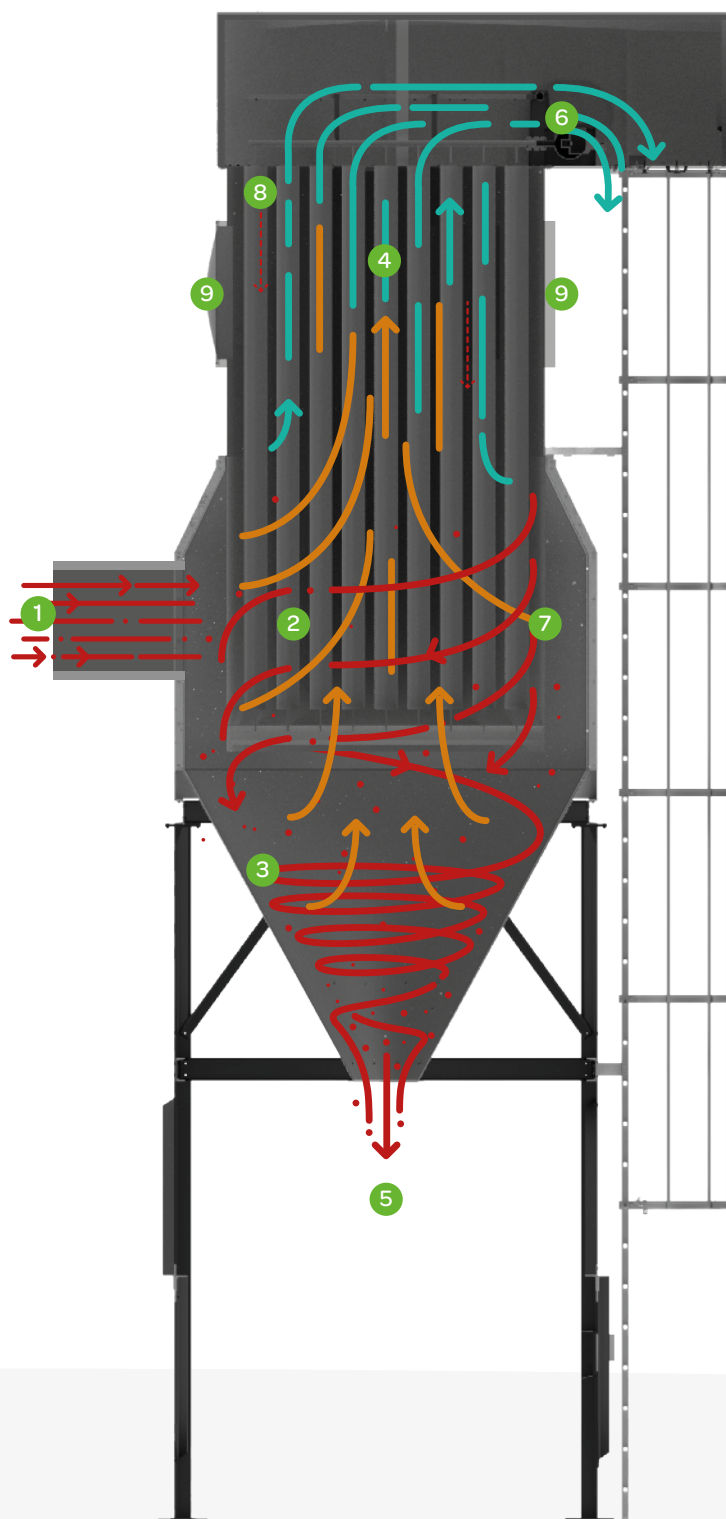
Wood trades

STC4
Cyclofilter

STC7
Cyclofilter

Descriptif		
Ø Body (in mm)	2800	4650
Ø Chimney (in mm)	2200	3650
Height of conical model (in mm)	8100	12500
Weight in kg	4375	6200
Number of sleeves	65	188
Sleeve height (in mm)	3750	3750
Surface area m²	119	343
Max load rate (m³ / m² / h)	180	180
Chip load rate	150	150
Permissible chip flow rate	17850	51450
Dust load rate	100	100
Permissible dust flow rate	11900	34300
Number of ramps	9	16
Compressed air consumption m³ / h	40 à 55	120 à 180
Unclogging	✓	✓
1 year warranty for spare parts and labour excluding consumables		

AIR ROUTING AND TREATMENT



- 1 Cyclofilter inlet
- 2 Cyclonic separation
- 3 Cyclonic precipitation by impact causing a second skimming operation
- 4 Terminal filtration through a filter medium
- 5 Evacuation of dust via a rotary airlock

- 6 Evacuation of filtered
- 7 Air outlet or negative pressure from main fan
- 8 Pneumatic unclogging
- 9 Explosion vent

CYCLOFILTERS MANUFACTURED IN STANDARD OR CUSTOM-MADE FORMATS

A wide range of options are available on request,
including:comme :



Option
**Lock and
fast bucket**



Option
**Adaptation
for big bag or skip**

- > Stainless steel reinforcement
- > Quick-lock hermetic bucket
- > Adaptation for big bag or skip

- > Adaptation for return network
- > Conveyor screws
- > Conical or flat bottom



STANDARDS



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

**ARE YOU LOOKING FOR SIMILAR
OR ADDITIONAL PRODUCTS?**

Are you looking for a solution with the
ability to manage high volumes of
exhaust air?

Cartridge dust collection **FDAPC**



Are you looking for a robust, durable and
economical solution for the treatment of
heavy particles?

Cyclone



**STIVENT INDUSTRIE®, EXPERT IN AERAULIC
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**



You find our
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stivent.com





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

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