



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



Cyclone filters

stivent.com

STIVENT INDUSTRIE® designs and develops cyclone filters

Modularity - Efficiency - Personal protection - Quality - Reliability

Specially designed to separate the heaviest particles from your activities thanks to centrifugal force, cyclone filters offer an intensive and durable solution, whilst preserving your maintenance costs. They also make it possible to preserve the filter downstream.

OPERATIONS

- > Sawmills
- > Heavy Dust
- > Sandblasting
- > Chip-making operations

POLLUTANTS

- > Wood
- > Cement
- > Resins
- > Dust
- > Metal
- > Miscellaneous chips (including ATEX risks)



OUR COMMITMENTS

- > **Efficient**, flow capacity from 1500 to 30,000 m³/h
- > **Effective**, up to 99% depending on dust sample
- > **Economical**, fewer consumables, fewer spare parts, low maintenance cost
- > **Convenience**, designed as standard with inspection hatch
- > **Reliability**, product designed to last
- > **Adaptable**, with many options to configure the workstation to meet most of your needs
- > **Two versions**, cyclone filter available in pressure and pressure release versions.

SECTORS OF ACTIVITY



Health & Pharma



Wood Trades



Aeronautics
& Space



Automotive
& Transportation



Agribusiness

CYCLONE FILTERS MANUFACTURED IN STANDARD OR CUSTOMISED FORMATS

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



Option
Adaptation for bucket, big bag or dumpster



Option
Hermetic bucket



Option
Stainless steel reinforcement

> STAINLESS STEEL production

> Conveyor screws

> Operation under pressure or pressure release

> Outlet transformation

AIR ROUTING AND TREATMENT

ARRIVAL STAGE

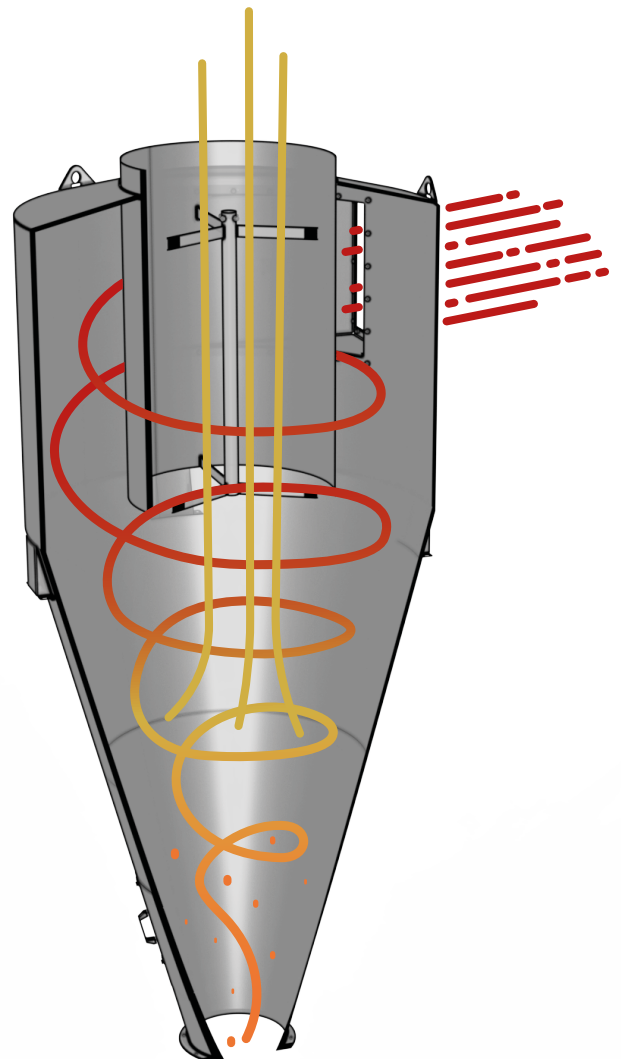
Particle-laden air enters the cyclone filter through the tangential inlet.

The air is forced to swirl and descend by the pressure. The lower it descends, the more the speed increases (cone effect) and thus the pressure increases.

OUTPUT STEPS

The higher pressure and centrifugation effect release the particles from the air. The latter fall by gravity (they can be recovered or processed).

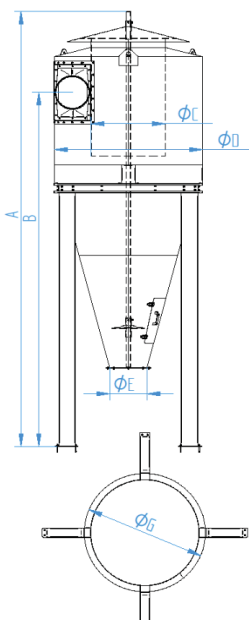
The air then purified (from the particles) rises up the path and exits the cyclone filter (it is either discharged into the atmosphere or recycled to trap the fine dust using a recovery network).



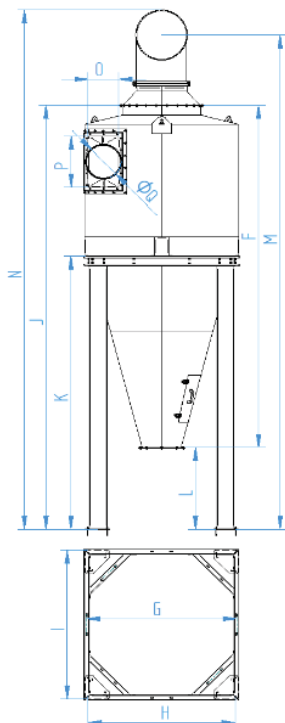
Description	CY 600	CY 900	CY 1000	CY 1280	CY 1400	CY 1600	CY 1800	CY 2000	CY 2200	CY 2400	CY 2600
A	2525	3235	3375	4130	4375	4810	5150	5870	6350	6914	7315
B	2052	6220	2870	3285	3520	3926	4114	4794	5200	5564	6000
ØC	300	450	500	640	700	800	900	1000	1100	1200	1300
ØD	600	900	1000	1280	1400	1600	1800	2000	2200	2400	2600
ØE	150	220	250	320	350	400	450	500	550	600	650
F	1510	2145	2350	2960	2317	3626	4075	4500	4985	5455	5865
G	580	880	980	1235	1353	1557	1759	2015	2206	2365	2565
H	1582	2146	1624	1200	1320	1535	1800	2000	2200	2480	2580
I	1087	2146	1624	1290	1406	1610	1818	2015	2200	2420	2620
J	2330	3010	3221	3830	4087	4500	5032	5450	5930	6400	6815
K	1625	2232	2232	2465	2630	2910	3275	3550	3835	4140	4400
L	822	870	870	870	870	870	876	950	945	950	950
M	2889	9857	9857	4480	4765	5265	5840	6390	6910	7385	7795
N	2996	4120	4120	4700	4990	5535	6140	6715	7265	7780	8239
O	-	-	-	426	426	577	600	674	741	808	874
P	-	-	-	232	260	310	360	418	468	518	568
ØQ	150	200	250	260 à 350	350 à 380	360 à 420	420 à 480	480 à 500	520 à 600	480 à 650	620 à 700
Weight in kg (excluding options)	40	80	100	210	250	320	400	520	625	740	855
Chair weight in kg	40	55	60	155	165	183	255	270	300	420	440
Reinforcement weight in kg	10	16	23	35	41	44	62	74	88	100	118
Maximum flow rate in m³/h	1500	3450	4250	6950	8300	10860	13750	16965	20530	24430	28670

1 year warranty for spare parts and labour excluding consumables

Pressure version



Pressure release version



STANDARDS



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

What about high-efficiency cyclone filters? After numerous internal studies, it appears that our cyclone filters are already equivalent to so-called «high yield» cyclone filters. A single model greatly simplifies the reading of the range and this means you do not need to make compromises.

ARE YOU LOOKING FOR SIMILAR OR ADDITIONAL PRODUCTS?

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

FDAPC & ROBOCYCL'AIR



Do you want to purify large volumes of air heavily loaded with dust and chips?

CYCLOFILTRE



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,**
let's master the air of the future®

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