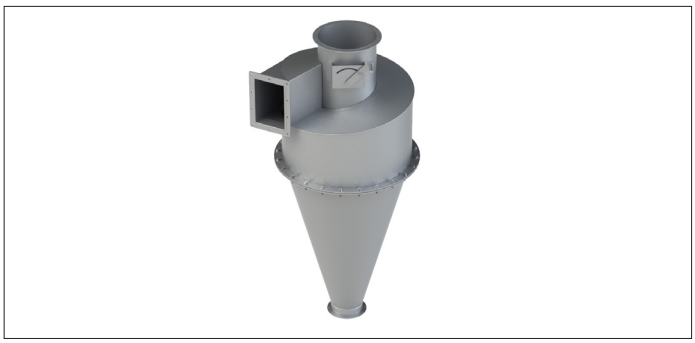
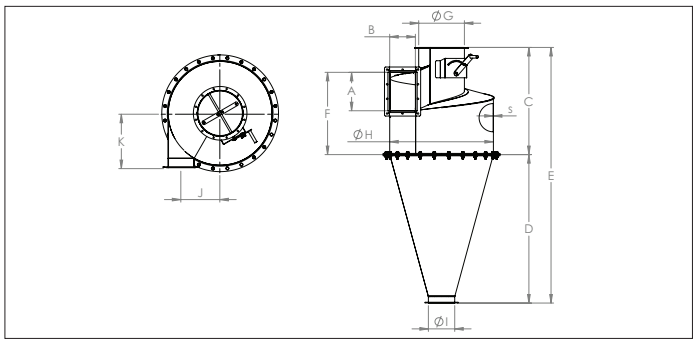
FS cyclones





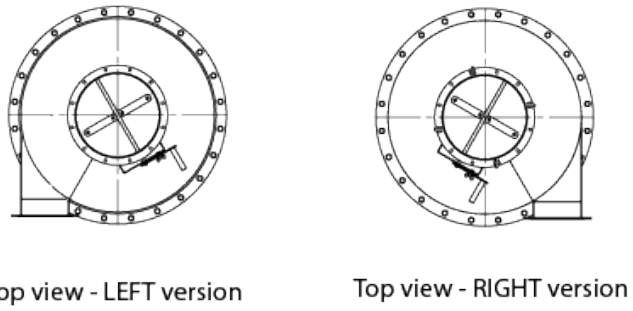
FS cyclones
Used in the paper industry, wood industry and cardboard industry Agricultural industry is also a main industry for this type of cyclone. Generally the FS cyclone is suitable for all installations that do not require a high performance separation.
The airflow is controlled by an integrated throttle valve.

Accessories
- Support legs with connection at the base of the cone
- 90 L dust bucket
- Connection piece for rotary valve
- Leg extensions for Big-Bag use
- In- and outlet pieces

Material
Sendzimir galvanized steel with integrated throttle valve
Temperature resistance : +80°C

Type
1.25 mm or 2 mm rolled plates welded together
Hopper and body assembled by bolts

Options
- Stainless steel (AISI 304L or 316L)
- Painted
- Reinforced
- Other legs
- Inspection door
- Removable wear plate on inlet



Top view - LEFT version

Top view - RIGHT version

Specify when ordering: left (L) or right (R) execution.

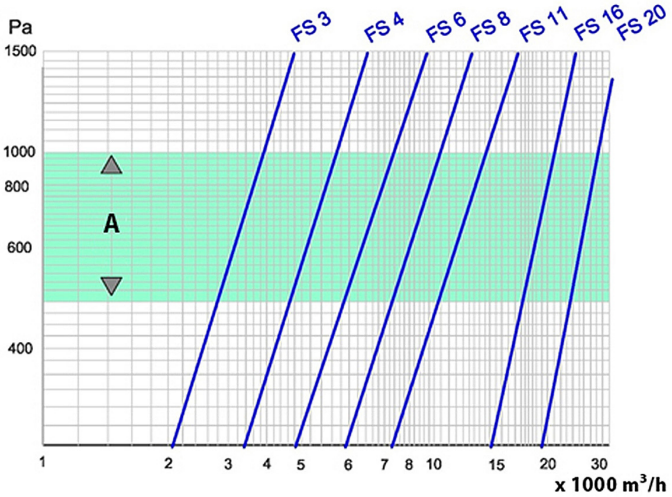


Diagram stating the pressure loss in FS cyclones at a given air volume
A : Optimum working range

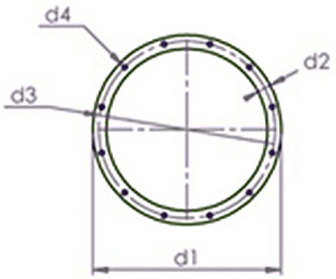
Model	A	B	C	D	E	F	ø G (int.)	ø H (int.)	ø I (int.)	J	K	s	Weight
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	kg
FS 3	300	200	830	1150	1980	640	350	800	200	302	420	1,25	68.0
FS 4	350	250	1150	1130	2280	740	400	900	200	325	500	1,25	83.0
FS 6	400	300	1080	1500	2580	840	450	1120	250	411	580	1,25	112.0
FS 8	450	350	1230	1700	2930	950	500	1250	250	451	675	1,25	147.0
FS 11	530	400	1410	1900	3310	1130	600	1600	300	601	790	1,25	206.0
FS 16	640	480	1700	1900	3600	1350	700	1800	300	661	970	1,25	252.0
FS 20	800	500	1750	1700	3450	1410	1000	2000	400	750	980	2	409.0

FS cyclones

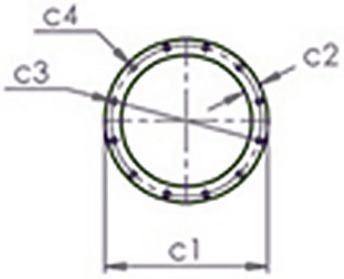
FS cyclone with legs and dust bucket

FS cyclone legs

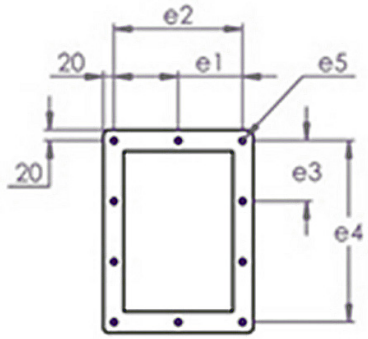
FS cyclone dust bucket with flexible connection



Upper outlet flange



Lower outlet flange



Square inlet flange

Model	Air volume	Upper outlet flange				Lower outlet flange				Square inlet flange				
	(m³/h)	Ød1	d2	Ød3	d4	Øc1	c2	Øc3	c4	e1	e2	e3	e4	e5
FS 3	0,5	415	30	389	12 x ø11.5	255	25	235	8 x ø9.5	120	2 x 120	113	3 x 113	ø 11.5
FS 4	0,7	465	30	439	16 x ø11.5	255	25	235	8 x ø9.5	97	3 x 97	97,5	4 x 97.5	ø 11.5
FS 6	1,4	515	30	489	16 x ø11.5	305	25	285	12 x ø9.5	113	3 x 113	110	4 x 110	ø 11.5
FS 8	1,9	565	30	540	16 x ø11.5	305	25	285	12 x ø9.5	97,5	4 X 97.5	490	5 X 98	ø 11.5
FS 11	3,6	665	30	640	16 x ø11.5	355	25	336	12 x ø9.5	110	4 x 110	114	5 X 114	ø 11.5
FS 16	4,7	785	40	750	24 x ø11.5	355	25	336	12 x ø9.5	104	104 X 5	113	6 X 113	ø 11.5
FS 20	6,1	1085	40	1050	24 x ø11.5	465	30	439	16 x ø11.5	108	5 X 108	105	105 X 108	ø 11.5

FS cyclones

Working principle of flow through FS cyclone :