LET'S DO SOME REAL ENGINEERING

SRIVIBHAVANA ENTERPRISES

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CYCLONE

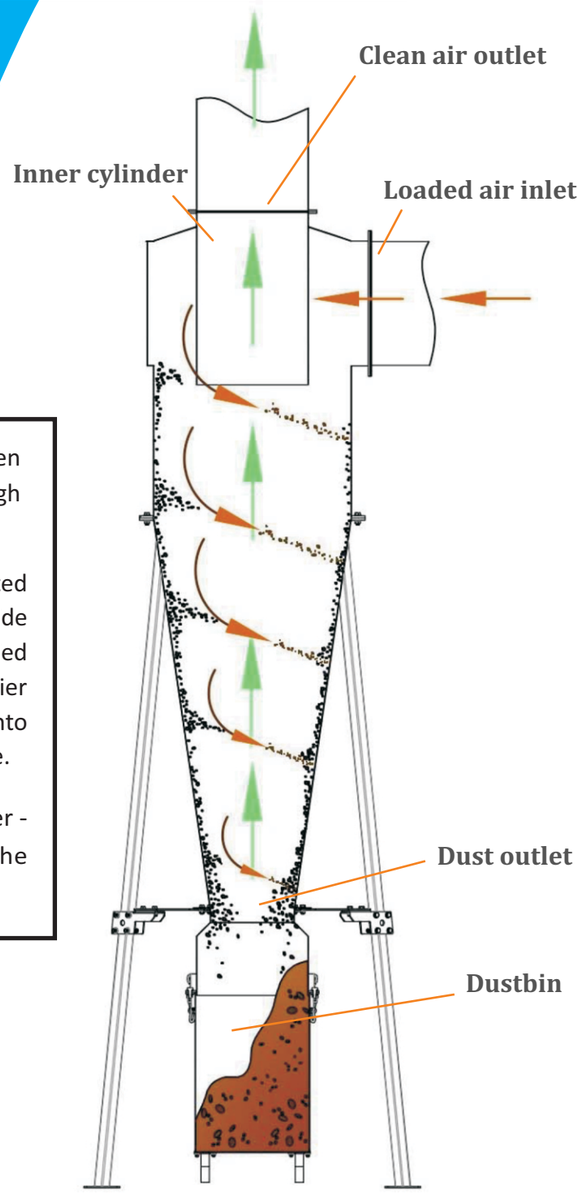
Separator

Mechanical Separator using centrifugal force to remove large And High-Volume Dust from Industrial applications

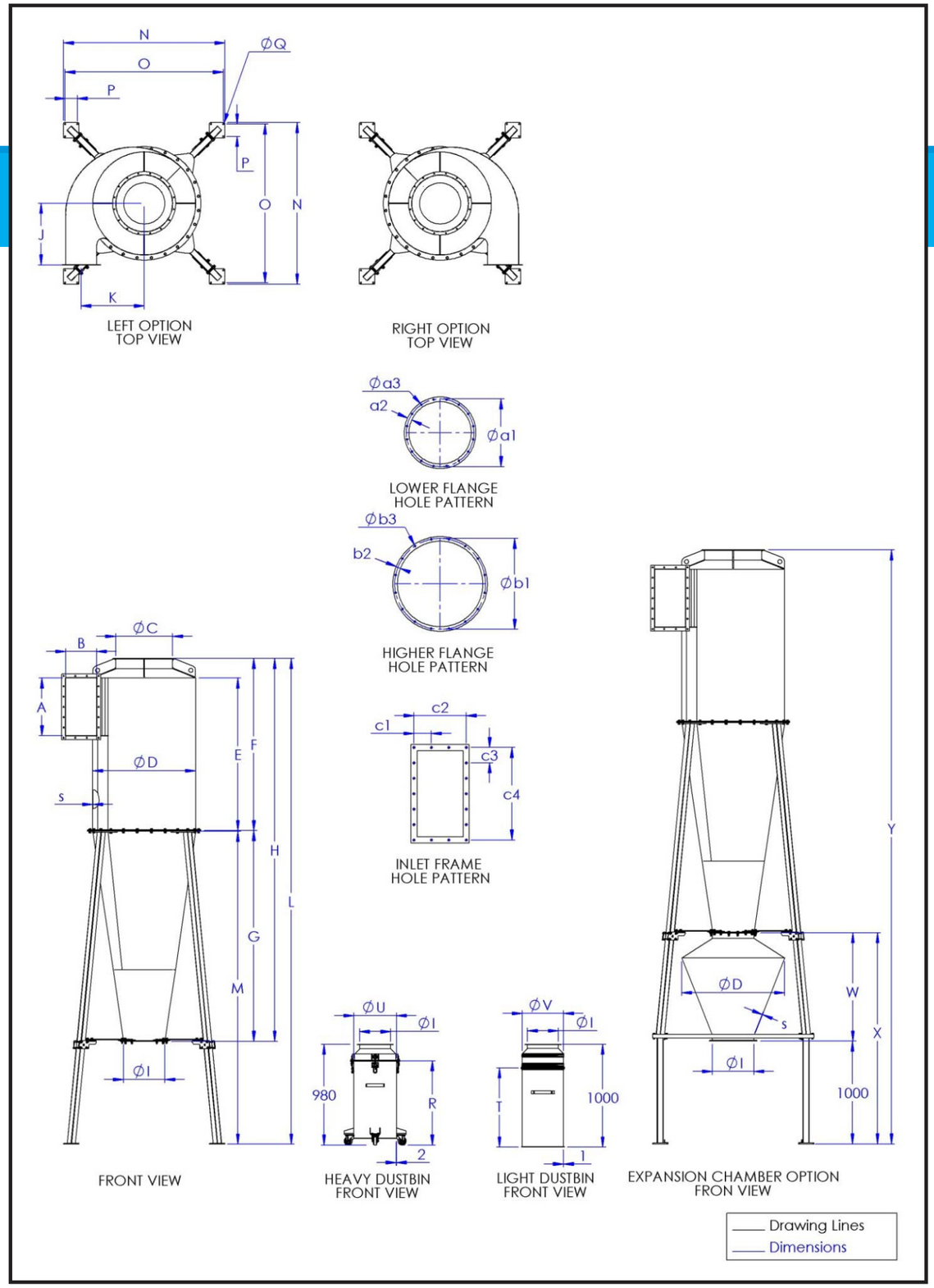
- An economical Solution to a wide range of dust collection problems
- Excellent for high dust load, high temperatur, and product recovery applications
- Can be used alone, with optional bag filter assemblt or as pre-cleaner
- Applications from 300 -13,000 cfm (510 - 22,082 m3/h)
- Heavy-duty construction for long life and low maintenance
- Meets most seismic and 90 mph (145 kmph) Exp C wind load ratings
- Removable cone section for easy replacement

How it works

- During Normal Operation, Dust Laden Air enters the FA Cyclone Unit through the loaded air inlet.
- The air and the material are diverted into a spiral motion around the inside perimeter. The centrifugal force applied by the sidewall allows the heavier material to fall out the dust outlet into the dust bin or through a rotary valve.
- Clean air is carried through the inner - cylinder and discharges into the atmosphere or secondary filters.



OVERALL DIMENSIONS



MULTIPLE RATING TABLE

MODEL	NORMAL AIRFLOW RANGE		EXTERNAL STATIC PRESSURE	INLET VELOCITY	
	cfm	m^3/h	(wg)	fpm	m/min
12	300 - 540	510 - 917	5.6 - 4.1	3580 - 6200	1091.2 - 1889.8
16	860 - 1,200	1,461 - 2,038	7.9 - 4.6	4380 - 6135	1335.0 - 1869.9
20-3	1,250 - 2,000	2,123 - 3,397	7.5 - 3.7	3555 - 5710	1083.6 - 1740.4
20-5	1,500 - 2,500	2,548 - 4,247	11.4 - 5.0	4290 - 7140	1307.6 - 2176.3
24	1,950 - 3,500	3,312 - 5,945	13.4 - 4.4	3580 - 6450	1091.2 - 1966.0
30-10	3,000 - 4,500	5,096 - 7,644	9.9 - 5.0	3820 - 5730	1164.3 -1746.5
30-15	4,000 - 5,600	6,795 - 9,512	11.0 - 4.9	5100 - 7140	1554.5 - 2176.3
36-20	4,300 - 7,000	7,304 - 11,891	11.4 - 4.9	4015 - 6540	1223.8 - 1993.4
36-25	4,500 - 7,500	7,644 - 12,740	14.9 - 6.3	4210 - 7010	1283.2 - 2136.6
36-30	5,000 - 8,000	8,493 - 13,589	16.1 - 7.1	4670 - 7465	1423.4 - 2275.3
44-40	8,000 - 11,500	13,589 - 19,534	15.1 - 5.5	4530 - 6510	1380.7 - 1984.2
44-50	8,000 - 13,000	13,589 - 22,082	18.8 - 7.0	4530 - 7360	1380.7 - 2243.3

Model	Optional Bag Filter Assembly			Air Inlet		Air Outlet		Dust Capacity			
	Filter Area		No. of Bag Filters					Dust Drawer		Hopper	
	ft^2	m^2		in	mm	in	mm	ft^2	m^2	ft^2	m^2
12	15	1.4	1	4	101.6	6	152.4	4.8	0.4	12.0	1.1
16	25	2.3	1	6	152.4	8	203.2	4.8	0.4	12.0	1.1
20-3	70	6.5	4	8	203.2	10	254.0	8.5	0.8	19.5	1.8
20-5	70	6.5	4	8	203.2	10	254.0	8.5	0.8	19.5	1.8
24	100	9.3	4	10	254.0	12	304.8	8.5	0.8	37.5	3.5
30-10	200	18.6	8	12	304.8	14	355.6	16.5	1.5	37.5	3.5
30-15	200	18.6	8	12	304.8	14	355.6	16.5	1.5	37.5	3.5
36-20	300	27.9	12	14	355.6	16	406.4	—	—	54.0	5.0
36-25	300	27.9	12	14	355.6	16	406.4	—	—	54.0	5.0
36-30	300	27.9	12	14	355.6	16	406.4	—	—	54.0	5.0
44-40	600	55.7	24	18	457.2	20	508.0	—	—	103.0	9.6
44-50	600	55.7	24	18	457.2	20	508.0	—	—	103.0	9.6

Model	Optional Bag Filter Assembly			Air Inlet		Air Outlet		Dust Capacity			
	Filter Area		No. of Bag Filters					Dust Drawer		Hopper	
	ft^2	m^2		in	mm	in	mm	ft^2	m^2	ft^2	m^2
12	15	1.4	1	4	101.6	6	152.4	4.8	0.4	12.0	1.1
16	25	2.3	1	6	152.4	8	203.2	4.8	0.4	12.0	1.1
20-3	70	6.5	4	8	203.2	10	254.0	8.5	0.8	19.5	1.8
20-5	70	6.5	4	8	203.2	10	254.0	8.5	0.8	19.5	1.8
24	100	9.3	4	10	254.0	12	304.8	8.5	0.8	37.5	3.5
30-10	200	18.6	8	12	304.8	14	355.6	16.5	1.5	37.5	3.5
30-15	200	18.6	8	12	304.8	14	355.6	16.5	1.5	37.5	3.5
36-20	300	27.9	12	14	355.6	16	406.4	—	—	54.0	5.0
36-25	300	27.9	12	14	355.6	16	406.4	—	—	54.0	5.0
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