

### OPERATION

The air containing particles and dust enters the dust collector through a tangential air intake. By cyclonic effect, the heavy particles are centrifuged to the bottom of the conical section and are continuously collected by a pneumatic or mechanical system. The fine dust is collected by the filter bags in the top section. The filtered air is returned to the plant or to the atmosphere. The dust-laden filter bags are cleaned by a mechanical shaking mechanism during the cleaning cycle, and the dust is collected by air or mechanical system under the conical section.

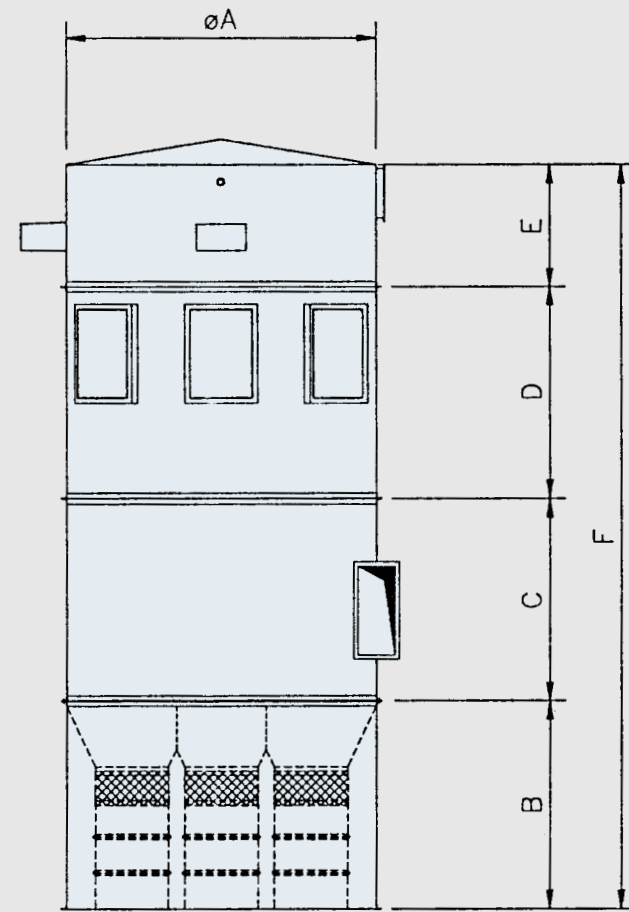
### SFC SERIES

MODEL	MAXIMUM CAPACITY (cu. ft./min.)	FILTERING AREA (sq. ft.)	QTY OF FILTER BAGS	A	B	C	D	E	F	SHAKER HP	WEIGHT
2020	2200	270	20	1400	1100	700	2000	600	4400	1/2	2200
2620	3000	351	26	1600	1200	750	2000	600	4550	1/2	2500
3220	3500	432	32	1800	1300	850	2000	600	4750	3/4	3000
3224	4000	519	32	1800	1300	850	2400	1000	5550	3/4	3500
4420	4800	595	44	2100	1600	950	2000	1000	5550	3/4	4000
4424	5500	714	44	2100	1600	950	2400	1000	5950	3/4	4500
5224	6700	844	52	2300	1700	1000	2400	1000	6100	3/4	5000
5230	7400	1055	52	2300	1800	1000	3000	1000	6800	3/4	5500
6030	8500	1217	60	2500	1900	1200	3000	1000	7100	1 1/2	6500
7630	10800	1542	76	2700	2100	1300	3000	1000	7400	1 1/2	7500
8830	12500	1785	88	2900	2200	1400	3000	1200	7800	1 1/2	8000
9630	13700	1948	96	3100	2400	1500	3000	1200	8100	1 1/2	8500
11230	16000	2272	112	3200	2500	1600	3000	1200	8300	1 1/2	9000
12030	17000	2435	120	3400	2600	1700	3000	1200	8500	1 1/2	9500
13230	19000	2678	132	3600	2700	1800	3000	1200	8700	1 1/2	10000
14830	21000	3003	148	3800	2900	1900	3000	1200	9000	1 1/2	12000
16430	23500	3327	164	4000	3100	2200	3000	1200	9500	1 1/2	14000
18830	26500	3814	188	4300	3300	2400	3000	1200	9900	1 1/2	16000

► The selection of a dust collector depends on the filtering ratio to be used.

- Factors to consider:
- Type of particles
  - Concentration
  - Grain size
  - Humidity

\* The characteristics and the dimensions are subject to change without prior notice.



### OPERATION

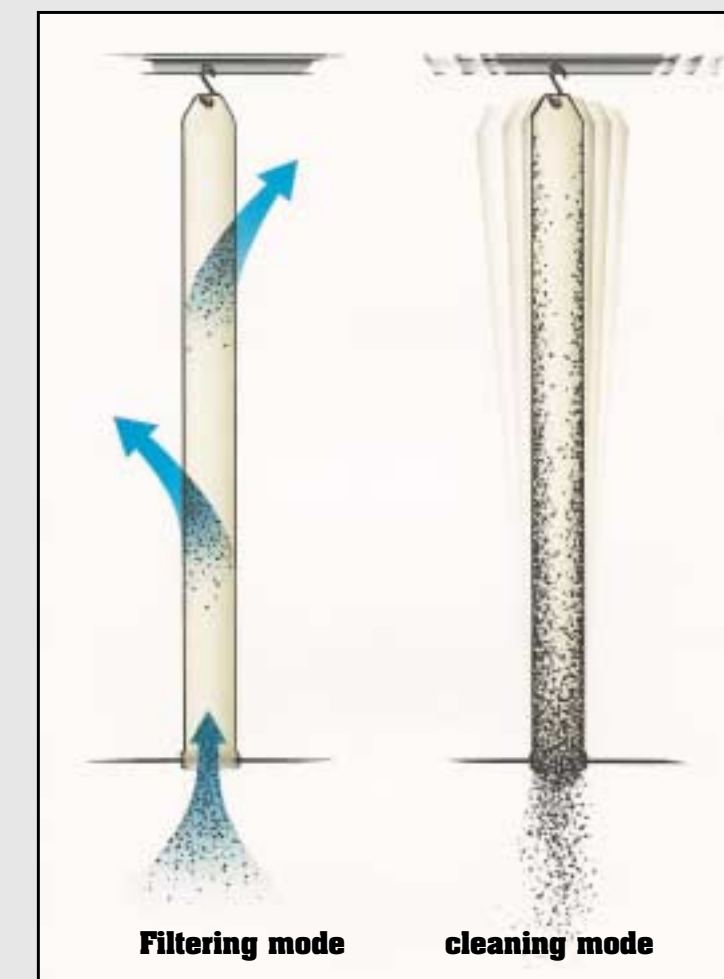
The air containing particles and dust enters the dust collector through a tangential air intake. By cyclonic effect, the heavy particles are centrifuged to the collector/containers, and the fine dust is collected by the filter bags in the top section. The filtered air is returned to the plant or to the atmosphere. The dust-laden filter bags are cleaned by a mechanical shaking mechanism during the cleaning cycle, and the dust is collected in containers.

### SFB SERIES

MODEL	MAXIMUM CAPACITY (cu. ft./min.)	FILTERING AREA (sq. ft.)	QTY OF FILTER BAGS	A	B	C	D	E	F	SHAKER HP	NB OF DRUMS	WEIGHT
2020	2200	270	20	1400	1100	700	2000	600	4400	1/2	3	2200
2620	3000	351	26	1600	1100	750	2000	600	4450	1/2	4	2500
3220	3500	432	32	1800	1100	850	2000	600	4550	3/4	4	3000
3224	4000	519	32	1800	1100	850	2400	1000	5350	3/4	4	3500
4420	4800	595	44	2100	1100	950	2000	1000	5050	3/4	6	4000
4424	5500	714	44	2100	1100	950	2400	1000	5450	3/4	6	4500
5224	6700	844	52	2300	1100	1000	2400	1000	5500	3/4	6	5000
5230	7400	1055	52	2300	1100	1000	3000	1000	6100	3/4	6	5500

► The selection of a dust collector depends on the filtering ratio to be used.

- Factors to consider:
- Type of particles
  - Concentration
  - Grain size
  - Humidity



► This system is designed to remove the fine particles collected by the filter bags

► System operated by a gearmotor 575V/3/60 TEFC

### OPTIONAL:

► Control panel for turning the system «on» and «off» and to control the shaking system.

### FILTER BAG CLEANING SYSTEM

#### FILTERING MODE

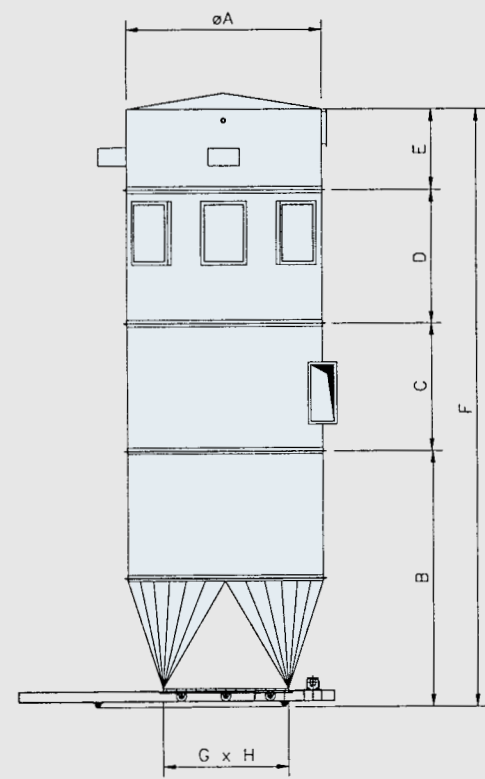
- When operating the dust collector, the fine particles are collected by the filter bags.
- Typically, a 4-hour cycle is recommended between cleaning operations to reduce the amount of dust in the filter bags

#### CLEANING MODE

- This mode will be automatically initiated upon full stop of the fan(s) connected to the dust collector
- The cleaning time will vary according to several factors such as the type of particles, grain size, and concentration of particles to remove from the filter bags.
- The cleaning cycle typically lasts 5-15 minutes.







### OPERATION

The air containing particles and dust enters the dust collector through a tangential air intake. By cyclonic effect, the heavy particles are centrifuged to the bottom of the storing section and the fine dust is collected by the filter bags in the top section. The filtered air is returned to the plant or to the atmosphere. The dust-laden filter bags are cleaned by a mechanical shaking mechanism during the cleaning cycle, and the dust is collected in the storing section.

### SFR SERIES

MODEL	MAXIMUM CAPACITY (cu. ft./min.)	FILTERING AREA (sq. ft.)	QTY OF FILTER BAGS	A	B	C	D	E	F	SHAKER HP	OPENING G X H	BIN CAPACITY (cu. ft.)
4420	4800	595	44	2100	2000	950	2000	1000	5950	3/4	1200 X 1500	200
4424	5500	714	44	2100	2000	950	2400	1000	6350	3/4	1200 X 1500	200
5224	6700	844	52	2300	2200	1000	2400	1000	6600	3/4	1200 X 1800	250
5230	7400	1055	52	2300	2200	1000	3000	1000	7200	3/4	1200 X 1800	250
6030	8500	1217	60	2500	2400	1200	3000	1000	7600	1 1/2	1200 X 2000	310
7630	10800	1542	76	2700	2500	1300	3000	1000	7800	1 1/2	1200 X 2200	370
8830	12500	1785	88	2900	2700	1400	3000	1200	8300	1 1/2	1200 X 2400	450
9630	13700	1948	96	3100	2700	1500	3000	1200	8400	1 1/2	1500 X 2400	520
11230	16000	2272	112	3200	2800	1600	3000	1200	8600	1 1/2	1500 X 2400	560
12030	17000	2435	120	3400	2900	1700	3000	1200	8800	1 1/2	1500 X 2400	640
13230	19000	2678	132	3600	3100	1800	3000	1200	9100	1 1/2	1500 X 2400	740
14830	21000	3003	148	3800	3200	1900	3000	1200	9300	1 1/2	1500 X 2400	830
16430	23500	3327	164	4000	3400	2000	3000	1200	9600	1 1/2	1500 X 2400	950
18830	26500	3814	188	4300	3600	2400	3000	1200	1020	1 1/2	1500 X 2400	1130

► The selection of a dust collector depends on the filtering ratio to be used.

- Factors to consider: ► Type of particles  
 ► Concentration  
 ► Grain size  
 ► Humidity

### SFC SERIES

#### CHARACTERISTICS

- Recirculates air
- Saves energy, collects heat, conditions air
- Operates under negative or positive pressure
- Polyester filter bags
- Tangential air inlet with backdraft damper
- Relief ventpanels comply with standard (NFPA-68)
- Pressure differential sensor
- Mechanical shaking mechanism
- Heat detector
- Fire damper in the clean air outlet
- Fire protection ramp with sprinklers
- High level detector in the bottom of the cone
- Filtering section access door
- Shaking system access door
- hopper under the cone with inspection door
- Platform to the access door
- Rotary valve



### SFR SERIES

#### CHARACTERISTICS

- Recirculates air
- Saves energy, collects heat, conditions air
- Operates under negative or positive pressure
- Polyester filter bags
- Tangential air inlet with backdraft damper
- Relief ventpanels comply with standard (NFPA-68)
- Pressure differential sensor
- Mechanical shaking mechanism
- Heat detector
- Fire damper in the clean air outlet
- Fire protection ramp with sprinklers
- High level detector in the storage section
- Manual or automatic sliding door under the storage section
- Shaking system access door
- Access door in the storage section
- Ladder with platform to the access door



#### OPTIONAL EQUIPMENT

- Over-sized sliding door
- Over-sized storage bin

### SFB SERIES

#### CHARACTERISTICS

- Recirculates air
- Saves energy, collects heat, conditions air
- Operates under negative or positive pressure
- Polyester filter bags
- Tangential air inlet with backdraft damper
- Relief ventpanels comply with standard (NFPA-68)
- Pressure differential sensor
- Mechanical shaking mechanism
- Heat detector
- Fire damper in the clean air outlet
- Fire protection ramp with sprinklers
- Filtering section access door
- Collector's containers section access door
- hopper under the cone with inspection door
- Ladder with platform to the access door
- Shaking system access door



**SECOFILTER**