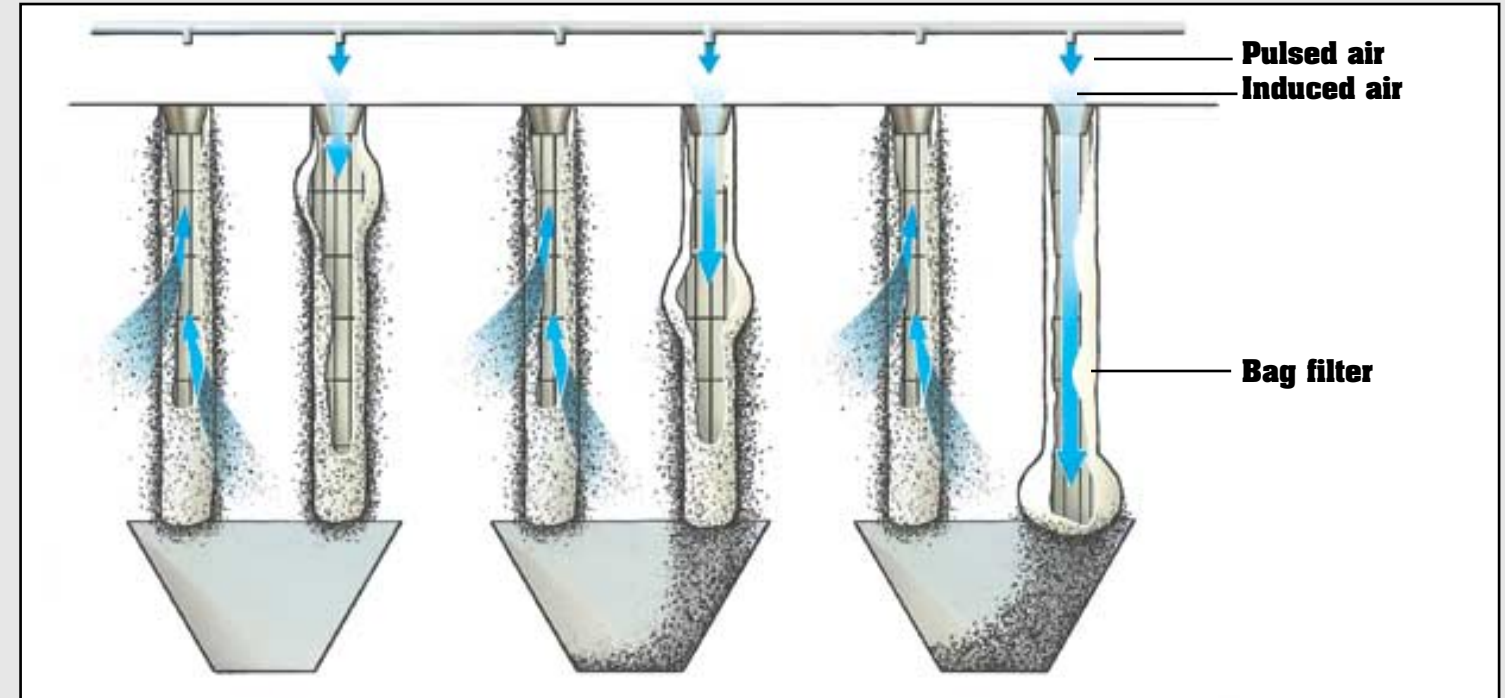


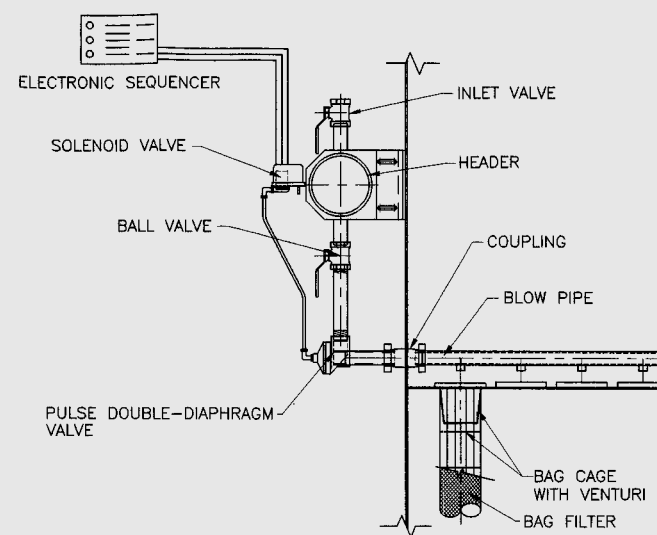
CYCLOFILTER



COMPRESSED-AIR SEQUENTIAL CLEANING SYSTEM

High-pressure air pulsed through a venturi, added to the induced air, produces an impact that removes the dust accumulated on the outer surface of the filter bag. The dust falls in the exhaust outlet and is then evacuated.

The opening of the pulsing valves, which are electronically controlled, only cleans a limited number of filters, allowing the dust collector to operate without interruption.



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RODAIR
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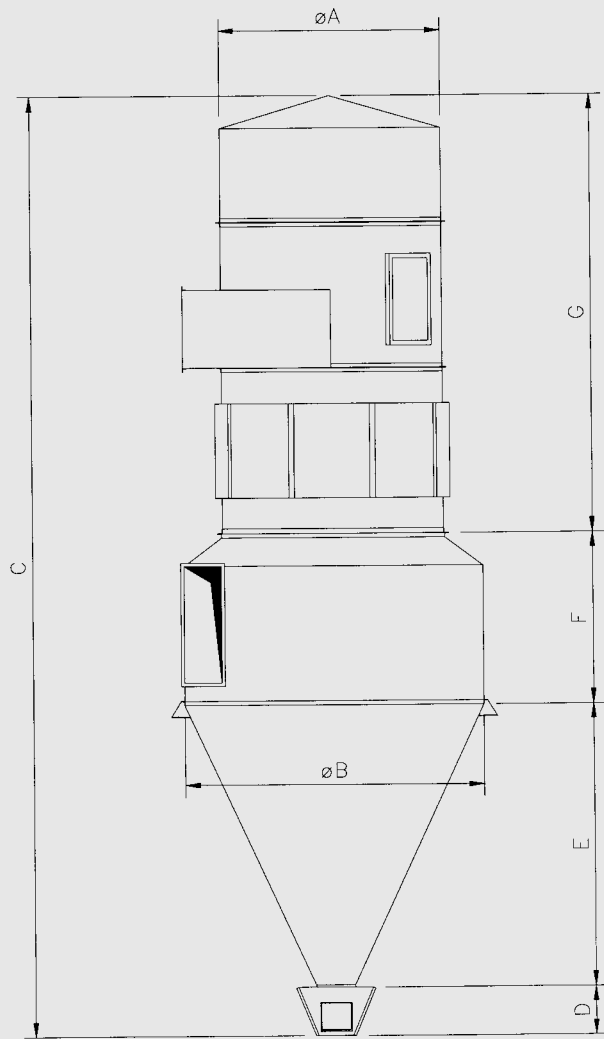
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Characteristics



MODEL: CF	2	3	3.5	4	5	5.5	6	7	8	9	10	11	12	13	
MAXIMUM CAPACITY (CFM)	5000	7000	8500	10500	17000	20000	24500	32000	41000	50000	61000	71000	84000	110000	
FILTERING AREA (SQ.FT)	571	789	951	1178	1924	2239	2710	3534	4555	5615	6793	7971	9346	12290	
QUANTITY BAGS FILTER	36	60	60	60	98	114	138	180	232	286	346	406	476	626	
METRICS DIMENSIONS	A	1606	2045	2045	2045	2545	2764	3006	3406	3836	4216	4600	5006	5400	6100
	B	2046	2585	2585	2585	3345	3600	4006	4606	5236	5866	6250	6806	7350	8000
	C	9311	8755	9755	11102	11785	12297	12531	14757	14055	15346	15420	15989	16575	17939
	D	650	750	750	900	900	900	900	1000	1000	1100	1100	1200	1200	1200
	E	2000	1850	1850	1765	2380	2563	2906	4420	3880	4971	4623	4929	5496	6297
	F	1300	1700	1700	2000	2075	2200	2300	2587	2580	2585	3400	3396	3935	3984
	G	5361	4455	5455	6432	6430	6634	6425	6750	6595	6690	6297	6464	5944	6458
WEIGHT (lbs)	5500	7700	8250	9900	14300	16000	17600	20900	25300	29700	35200	41800	47300	53400	

➤ 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.

FEATURES:

- Air recirculation
- Conserves energy, recycles heat, conditions air
- Primary cyclonic separator (twin-body) integrated with secondary fabric filter reduces the dust load on the filter media
- Automatic cleaning of the media by pulsed high-pressure air provides a non-stop operation, saving valuable work time and productive machine hours
- Available in pull-through (vacuum) or blow-through arrangements
- Maintenance of the filter bags is done from the clean-air side of the filter section, employees work in safe, dust-free conditions, which saves time and reduces maintenance costs

OPERATION:

- Particle laden air is drawn from the various waste generating points and ducted to the tangential inlet of the dust collector. The heavier waste particles are centrifugally separated from the conveying air in the primary section and discharged through the cone outlet. The finer dust particles are directed upwards to the filter section where they are filtered out, and the clean air is returned to the plant or the atmosphere. The filter bags will be cleaned by an automatic compressed air pulse jet system which will be controlled by an electronic sequential timer.

CONSTRUCTION:

- The dust collectors are built of 11 gauge reinforced carbon steel and are strong enough to withstand a 500 mm WC negative pressure condition
- The sections are bolted together and sealed with caulking
- Design as per NFPA-68 regulations

PAINTING AND PROTECTION:

- All surfaces are cleaned and degreased, one coat of primer is applied on the inside and outside, and one coat of paint is applied on the outside

STANDARD EQUIPMENT:

- Filter bags (polyester needled felt)
- Bag cages with galvanized ventury tubes
- Compressed-air cleaning system operating at 90 PSIG
- Prewired electrical control panel for automatic filter cleaning
- Structural support frame
- Access door to clean air plenum
- Access ladder and platform to clean air plenum
- Counterbalanced back-pressure damper
- Heat detector
- Explosion relief panels (NFPA-68 regulations)
- Differential pressure gauge
- Sprinkler system in the clean air plenum
- Hopper in the bottom of the cone with access door

OPTIONAL EQUIPMENT:

- Insulation in the clean air plenum
- Plug-up detector
- Maintenance platform for access to explosion relief panels
- Humidity-treated filter bags
- Bag cages made of stainless steel
- Filter fabric other than polyester
- Rotary valve
- Special construction to withstand higher negative or positive pressure than 500 mm WC

