

Features:

- Top access for easier bag installation and replacement
- Explosion and fire suppression systems are included so unit doesn't need to be located near an outside building wall
- Unlike a pulse jet filter the RACF doesn't send a compressed air shock wave back through ductwork
- Expert installation support and system application
- engineering available.

Industries:

Textiles, paper, tobacco, wood, plastics, agricultural & rubber dust applications.

Available Services:

- System Integration
- Industrial Ventilation
- Material Handling
- Power & Controls
- Manufacturing

Product Description:

ATMOS360'S Reverse Air Cleaned Filter (RACF) is the key offline component in a dust control system designed to remove dust from tissue, towel, diaper, feminine hygiene, or other fibrous manufacturing processes.

Features and Benefits:

Media Cleaning - The RACF uses a small fan to reverse air clean the media rather than using compressed air during a cleaning cycle. Cleaning air is delivered to a rotor placed in the clean air plenum which isolates one (1) partitioned bag zone, while allowing the remaining air to be exhausted by the main dust control fan. The rotor rotates 360 degrees with cleaning based on time or on demand.

Fines Removal - The RACF releases fines from the media via the media cleaning fan. As fines are drawn down into the hoppers, they are removed by pneumatically actuated on/off gates, duct work, and fines removal fan. The lower gates are in sequence with the media clean rotor to maximize effectiveness for fines removal.

Explosion Suppression/Venting - The RACF uses an active sodium bicarbonate explosion suppression system, a passive flameless explosion quenching system; which does not require outside wall/roof penetration for explosive venting.

Electrical Controls Package - The RACF electrical controls package includes the hardware, controls, and programming for the overall system unlike most conventional filter manufacturers.

Process Safety Elements

Fire protection sprinklers & alarm
Explosion suppression system
Grounding

Electrical & Controls Package

Fire protection alarming
Explosion suppression system
Electrical & pneumatic panels
Fines transport fan (20 hp)
Main system fan (150 hp)

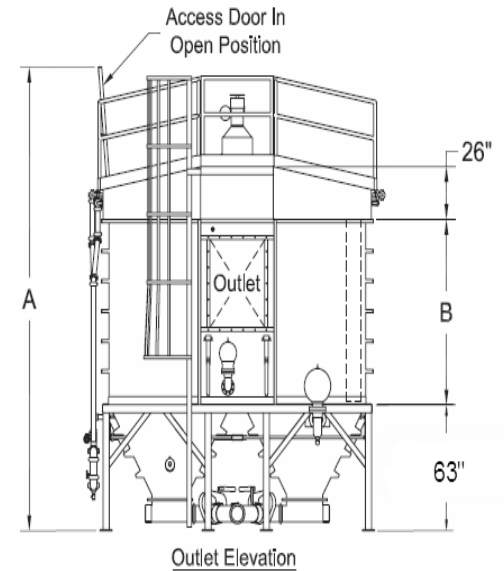
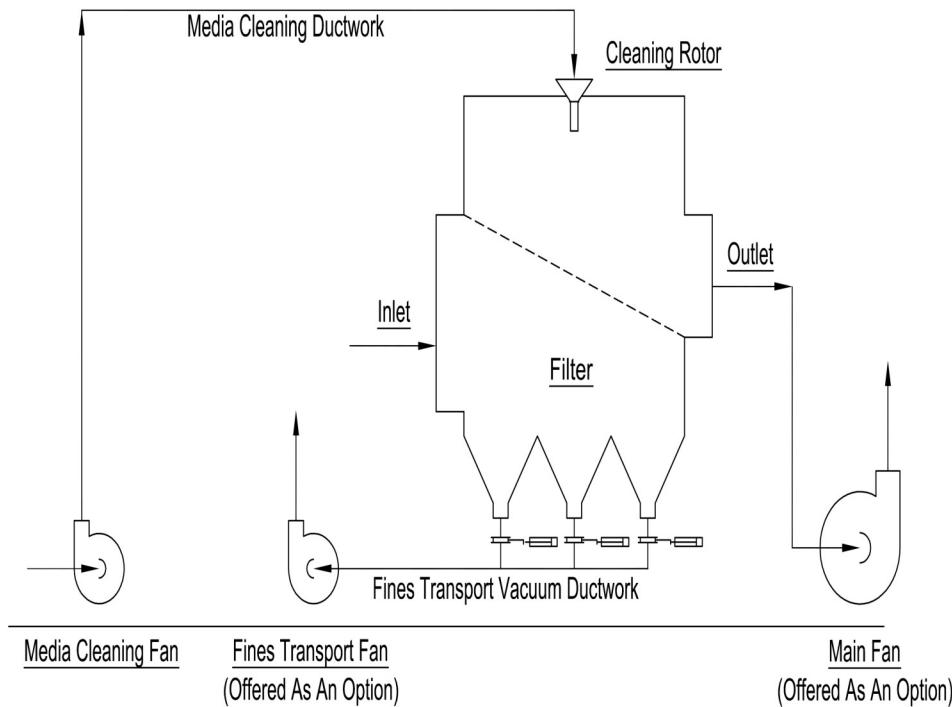
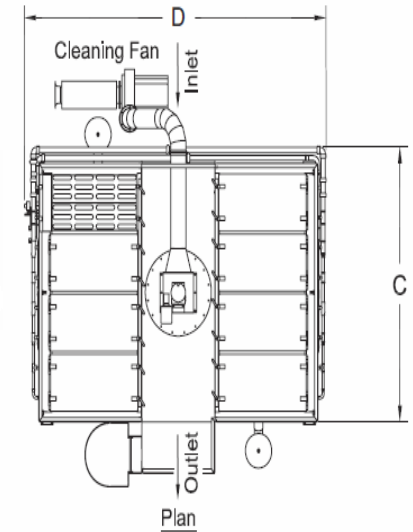


REVERSED AIR CLEANING FILTER (RACF)

**64 CIRCLE FREEWAY DR
CINCINNATI, OH 45246
www.atmos360.com
Phone: 513-330-5442
E-mail: info@atmos360.com**

Reversed Air Cleaned Filter (RACF) Models

| MODEL | MAX AIR SYSTEM VOLUME | MEDIA AREA | BAG QTY | BAG LENGTH | A | B | C | D |
|---------------------|-----------------------|--------------------|---------|------------|-----------------------------------|-----|-----|-----|
| | (cfm) | (ft ²) | | (inches) | (ALL DIMENSIONS LISTED IN INCHES) | | | |
| RACF-2375-192-2-60 | 22,014 | 2,043 | 192 | 60 | 200 | 58 | 147 | 200 |
| RACF-3800-192-2-96 | 35,225 | 3,269 | 192 | 96 | 234 | 93 | 147 | 212 |
| RACF-4750-192-2-120 | 44,136 | 4,086 | 192 | 120 | 258 | 117 | 147 | 212 |
| RACF-5100-240-2-120 | 55,794 | 5,107 | 240 | 120 | 258 | 117 | 160 | 212 |



ATMOS360, Inc

64 Circle Freeway Dr

Cincinnati, OH 45246

Phone: (513) 330-5442