Ceiling mounted air filtration units

- High efficiency 99.9% @ 1 micron efficiency cartridge unit
- Automatic self-cleaning
- Source capture with MAXAIR fume arms or ambient air filtration
- Dust storage drawers
- Access doors to cartridges

Floor space a problem? Look at the top... Look at MAXITOP!

Superior technology generating substantial operating savings
MAXITOP Ceiling mounted air filtration units

LET’S FACE IT! Plant managers have to maximize their floor space as much as possible. So when it comes to adding a new piece of equipment, they search for the area where it will encumber the least. The MAXITOP overhead cartridge dust collector with automatic cleaning system will eliminate the worry of finding the right place for installation. Two models with various C.F.M. capacities are offered: air-in air-out design for filtering and recirculating ambient dust laden air or flanged configuration for source capture with MAXAIR fume arms.

A Leading-Edge, High-Performance Company

The AQC Dust Collecting Systems division manufactures a full range of safe, industrial dust collectors, as well as dust and smoke capture equipment at the leading edge of air pollution control technologies based on more than 30 years’ experience in the field.

AQC’s strength lies in its innovative products designed and developed to generate substantial savings throughout their entire operating life.

AQC is renowned for its technological innovation, safe and sophisticated equipment design, as well as its robust and precise product manufacturing. For example, the unique design of the baffles inside AQC dust collectors makes filter cleaning easy. The AQC cartridge holder design provides maximum filter surface and enhanced filter performance. The ultra-smooth concept inside AQC fume arms makes them maintenance-free.

In short, AQC equipment is designed and built to generate substantial operating savings in terms of time, money and energy. This translates to major reductions in operating costs – from 10 to 20% – throughout the equipment’s service life. This scale of savings can represent a significant portion of the equipment’s total purchase price. Companies looking to maximize their profitability should factor in these savings when purchasing equipment.

The unique design and manufacturing of AQC equipment generates significant savings for various reasons:

• Substantial increase in the duration of filters.
• Lower energy consumption during years of use.
• Significantly less maintenance (easy to clean, robust manufacturing, a minimum number of more reliable and durable parts).
• Reduced operating costs (less frequent overhauls, lack of or minimum down time, etc.).
• Lower administrative costs (coordination, follow-ups, supervision) due to much less frequent breakdowns.
• Safe design can prevent serious or even fatal accidents.
• Increased comfort and productivity of personnel.

The acquisition cost is just one part of the equation. It’s the total cost including the operating cost throughout the life cycle of the equipment that must be kept low. This is what AQC delivers. The advanced technology, design, robustness, durability and safety of AQC products generate major savings during the equipment’s entire life cycle.
MAXITOP CEILING MOUNTED AIR FILTRATION UNITS

Most of our competitors do not include these standard features:

- Spark arrestors (welding application)
- 99.9 % efficiency @ 1 micron
- Fully welded painted steel cabinet
- Reinforced frame
- Easy access removable dust drawers
- Low noise level

TYPICAL APPLICATIONS FOR MAXITOP FILTRATION UNITS

- Welding and grinding
- Dry dust particles
- Paper dust
- Powder mixing
- Ambient air filtration and recirculation

CARTRIDGE EFFICIENCY:

130 sq. ft. polyester: U.S. & G 99.93 @ 0.2 / 2.0 microns
130 sq. ft. polyester anti-static: U.S. & G 99.93 @ 0.2 / 2.0 microns
130 sq. ft. polyester teddem: U.S. & G 99.93 @ 0.2 / 2.0 microns (40% more dust holding capacity)
260 sq. ft. regular cellulose: U.S. & G 99.5 @ 0.2 / 2.0 microns
260 sq. ft. nanofiber: MERV 15 as ASHRAE 52.2
260 sq. ft. fire retardant: U.S. & G 99.5 or MERV 15

Note: Installation must be made according to local building codes and regulations. Structure must meet sturdiness and reliability for equipment weight support.

DIMENSIONS

45 1/8”
29 5/8”
105”
99”
82 1/8”

With optional sound attenuator plenum

Sound attenuator plenum
Create your MAXITOP filtration unit specification

1. **Ceiling filtration unit should include:**
   - Reinforced 10 and 14 gauge steel epoxy painted with primer cabinet, four (4) high efficiency pleated fire retardant cellulose cartridges with access doors, Magnehelic pressure gauge, dust storage drawers, electronic control panel with adjustable timer for pulse cleaning in NEMA 4 enclosure, support brackets, aluminum pre-filter, direct drive 3450 R.P.M. TEFC motor, 1” NPT compressed air connection.

2. **Model to be:**
   - a) DB4-T315-AMB
   - b) DB4-T355-AMB
   - c) DB4-T315-206
   - d) DB4-T355-208
   - e) DB4-T355-306

3. **Voltage to be:**
   - 230 / 1 / 60
   - 460 / 3 / 60

4. **Standard fire retardant cartridges to be substituted for:**
   - a) regular cellulose cartridges (260 sq. ft. each)
   - b) nanofiber cartridges (260 sq. ft. each)
   - c) polyester cartridges (130 sq. ft. each)
   - d) anti-static polyester cartridges (130 sq. ft. each)
   - e) tandem polyester cartridges with evenly spaced V pleats (130 sq. ft. each)

5. **Ceiling filtration unit should include:**
   - magnetic starter (remote installation)

6. **Ceiling filtration unit should include:**
   - sprinkler head (exterior piping not included)

7. **Ceiling filtration unit should include:**
   - sound attenuator plenum

8. **Standard adjustable timer for cartridge cleaning to be substituted for:**
   - differential static pressure controller

9. **Unit to be equipped with:**
   - with aluminum fire deterrent filter for welding and grinding processes.

10. **Unit to be equipped with:**
    - a) Two (2) MAXAIR 6” X 10’ fume arms
    - b) Three (3) MAXAIR 6” X 10’ fume arms
    - c) Two (2) slotted air inlets for ambient air filtration and recirculation

11. **Unit to be equipped with:**
    - a) Manual starter with overload protection
    - b) Magnetic starter with overload protection

12. **Outlet louvers for air ambient recirculation (no fume arms required)**

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**Note:** specifications listed above may be modified to suit application. Contact A.Q.C. or representative for information.

Your A.Q.C. representative is:

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