MAXITOP

AQC SOURCE CAPTURE EQUIPMENT

# CEILING MOUNTED AIR FILTRATION UNITS


- Unit with high efficiency cartidge: 99% @ 1 micron
- Automatic self-cleaning
- Source capture with MAXAIR fume arms or ambiant air filtration
- Dust storage drawers
- Access doors to cartridges

***Superior technology generating substantial operating savings***

AQC
DUST COLLECTION & SOURCE CAPTURE

# MAXITOP™

*High-Productivity Innovative Products*

### Ceiling mounted air filtration units

Manufacturers 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 CFM capacities are offered: air-in air-out design for filtering and recirculating ambiant dust laden air or flanged configuration for source capture with MAXAIR fume arms.

## *A Leading-Edge, High-Performance Company*

The AQC Dust manufacturer fabricates a full range of safe, industrial dust collectors, as well as dust and smoke capture equipment and high pressure industrial dampers at the leading edge of air control technologies based on more than 30 years of experience in the field.

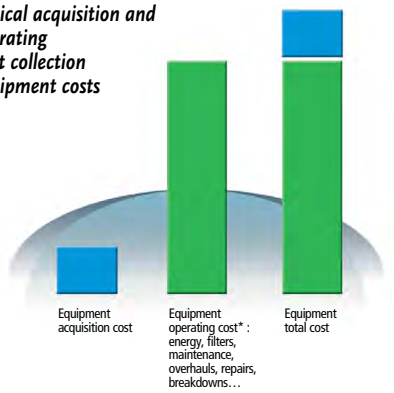
### AQC's strength lies in its innovative products designed and developed to generate substantial savings throughout their entire operating life.

AQC is renowned for its technological innovation, safe and sophisticated equipment design, as well as its robust and precise product manufacturing. AQC stands out with its unique design of the baffles inside dust collectors making filter cleaning easy and a cartridge holder design that provides maximum filter surface, which enhances filter performance. The ultra-smooth concept inside AQC fume arms makes them maintenance-free and the durability of the heavy duty industrial dampers exceed expectations.

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 operating 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

- 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

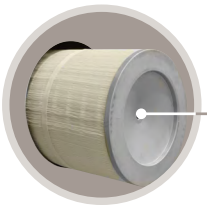
- Welding and grinding • Dry dust particles • Paper dust
- Powder mixing • Ambient air filtration and recirculation

Direct drive TEFC motor (2, 3 or 5 HP)

Diaphragm valves for air pulsation

Removable access doors to filter cartridges (4 cartridges per unit)

Hanging brackets (4)

Choice of 130 ft² (12 m²) polyester or 260 ft² (24 m²) cellulose cartridges

Reinforced 10 and 14 gauge painted steel cabinet

Removable dust storage drawers

2 arm configuration

Intake louver for ambient air recirculation

Magnehelic pressure gauge (can be wall mounted)

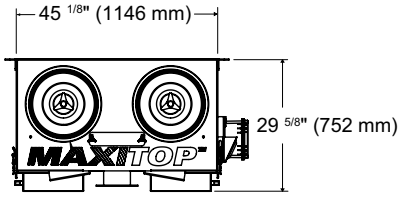
Automatic pulse cleaning control panel

Fan sound attenuator plenum (option)

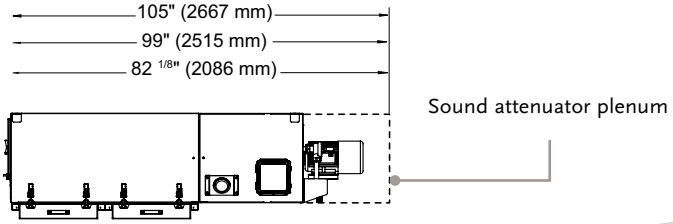
### Cartridge efficiency :

***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 tandem:*** 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




### With optional sound attenuator plenum



## DIMENSIONS

CHART 1

| Model | HP / Kw | Air flow CFM / l/s | Filtration surface ft²/m² (polyester) | Filtration surface ft²/m² (cellulose) | Compressed air requirement (p.s.i.) | Nb. of fume arms | Weight lbs / kg |
|---|---|---|---|---|---|---|---|
| DB4-T315-AMB | 3/2.2 | 3000/1415 | 520/48 | 1040/96 | 80 - 90 | N/A (inlet louvers only) | 800/363 |
| DB4-T355-AMB | 5/3.7 | 4500/2125 | 520/48 | 1040/96 | 80 - 90 | N/A (inlet louvers only) | 815/370 |
| DB4-T315-206 | 3/2.2 | 2200/1040 | 520/48 | 1040/96 | 80 - 90 | (2) 6" x 10' / 152 mm x 3 m | 940/427 |
| DB4-T355-208 | 5/3.7 | 3500/1652 | 520/48 | 1040/96 | 80 - 90 | (2) 8" x 10' / 203 mm x 3 m | 960/436 |
| DB4-T355-306 | 5/3.7 | 3500/1652 | 520/48 | 1040/96 | 80 - 90 | (3) 6" x 10' / 152 mm x 3 m | 1010/459 |

## YOUR MAXITOP FILTRATION UNIT SPECIFICATION

**1. Ceiling filtration unit:**
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; NEMA-4 electronic enclosures control; support brackets; aluminum pre-filter; direct drive 3450 R.P.M. TEFC motor; 1" NPT compressed air connection.

**2. Model:**

- a) DB4- T315-AMB ☐
- b) DB4- T355-AMB ☐
- c) DB4- T315-206 ☐
- d) DB4- T355-208 ☐
- e) DB4- T355-306 ☐

**3. Voltage:**

☐ 230 / 1 / 60 ☐ 208/ 3 / 60
☐ 460 / 3 / 60 ☐ 575 / 3 / 60

**4. Standard fire retardant cartridges to be substituded for:**

- a) Regular cellulose cartridges 260ft2 (24 m2) ☐
- b) Nanofiber cartridges 260ft2 (24 m2) ☐
- c) Polyester cartridges 130ft2 (12 m2) ☐
- d) Anti-static polyester cartridges 130ft2 (12 m2) ☐
- e) Tandem polyester cartridges with evenly spaced V pleats 130ft2 (12 m2) ☐

**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 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) Two (2) slotted air inlets for ambiant 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 ambiant recirculation**
(no fume arms required) ☐

***Note:*** Specifications listed above may be modified to suit application. Contact AQC or representative for information.

***Your AQC representative is:***

AQC DUST COLLECTION & SOURCE CAPTURE

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