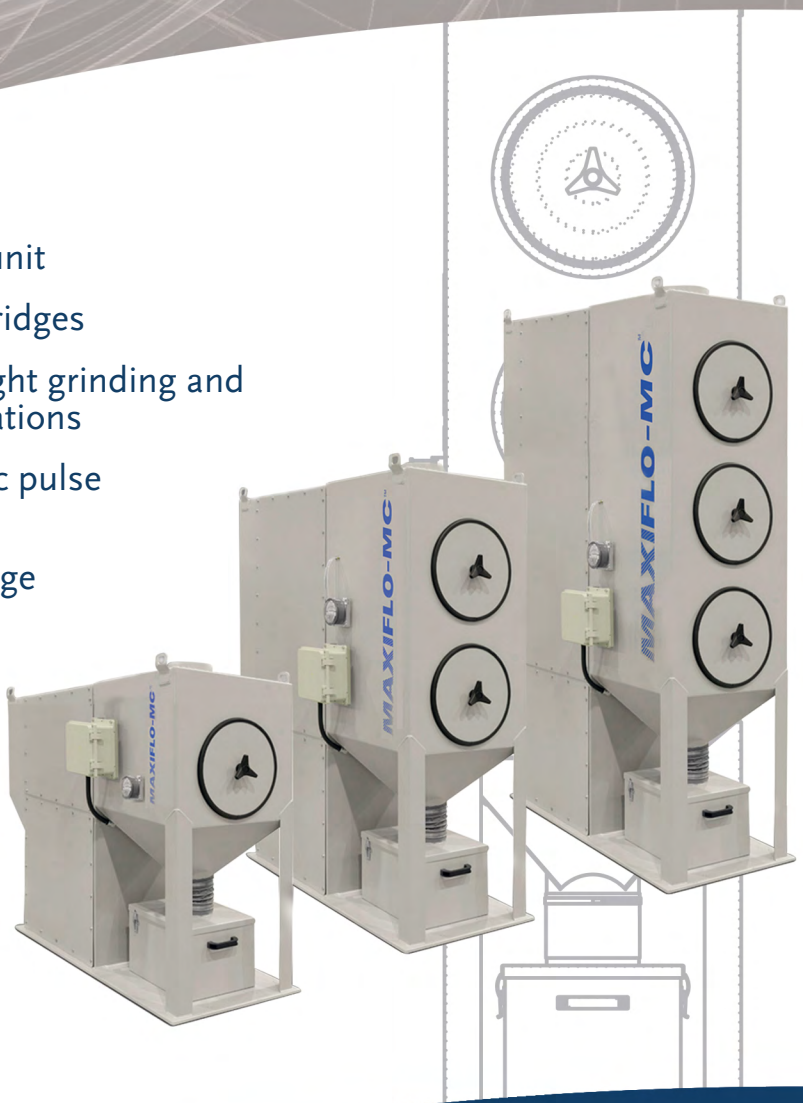
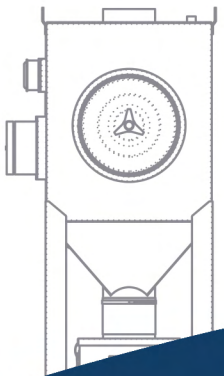
MAXIFLO-MC™

AQC DUST COLLECTING SYSTEMS

PLEATED CARTRIDGE DUST COLLECTOR

- Plug and play type unit
- High efficiency cartridges
- Ideal for welding, light grinding and general dust applications
- Complete automatic pulse cleaning system
- 1, 2, 3, 4 or 6 cartridge configuration
- Air volume from 600 to 2200 CFM





Superior technology generating substantial operating savings

AQC
DUST COLLECTION & SOURCE CAPTURE

MAXIFLO-MC™

High-Productivity Innovative Products

Compact high efficiency cartridge collector

Cartridge collectors are designed for a wide range of particle filtration. Using the same technology as the regular and larger MAXIFLO units, the MAXIFLO-MC has the advantage of being installed quickly and easily. Shipped fully assembled and taking very little foot print, the unit can be in service quickly. The quiet motor-fan assembly with anti-spark polyamide backward inclined impeller allows great air volume and medium to high static pressures. The integrated control panel ensures constant and reliable cleaning of the cartridges by air pulse. Efficiency of cartridges may allow recirculation of filtered air into the premises. Maintenance is a snap by only emptying the dust storage bin. Safety features such as NFPA explosion relief vent or sprinklers may be added to the unit.

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.

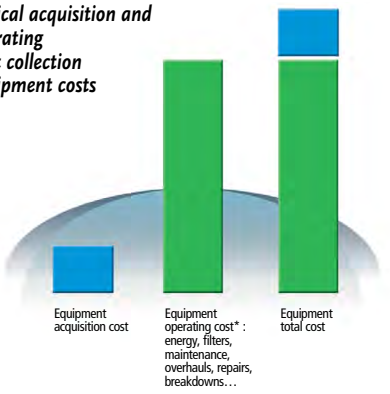
AQC is renowned for its technological innovation, safe and sophisticated equipment design, as well as its robust and precise product manufacturing. AQC stands out with its unique design of the baffles inside dust collectors making filter cleaning easy and a cartridge holder design that provides maximum 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.

Typical acquisition and operating dust collection equipment costs

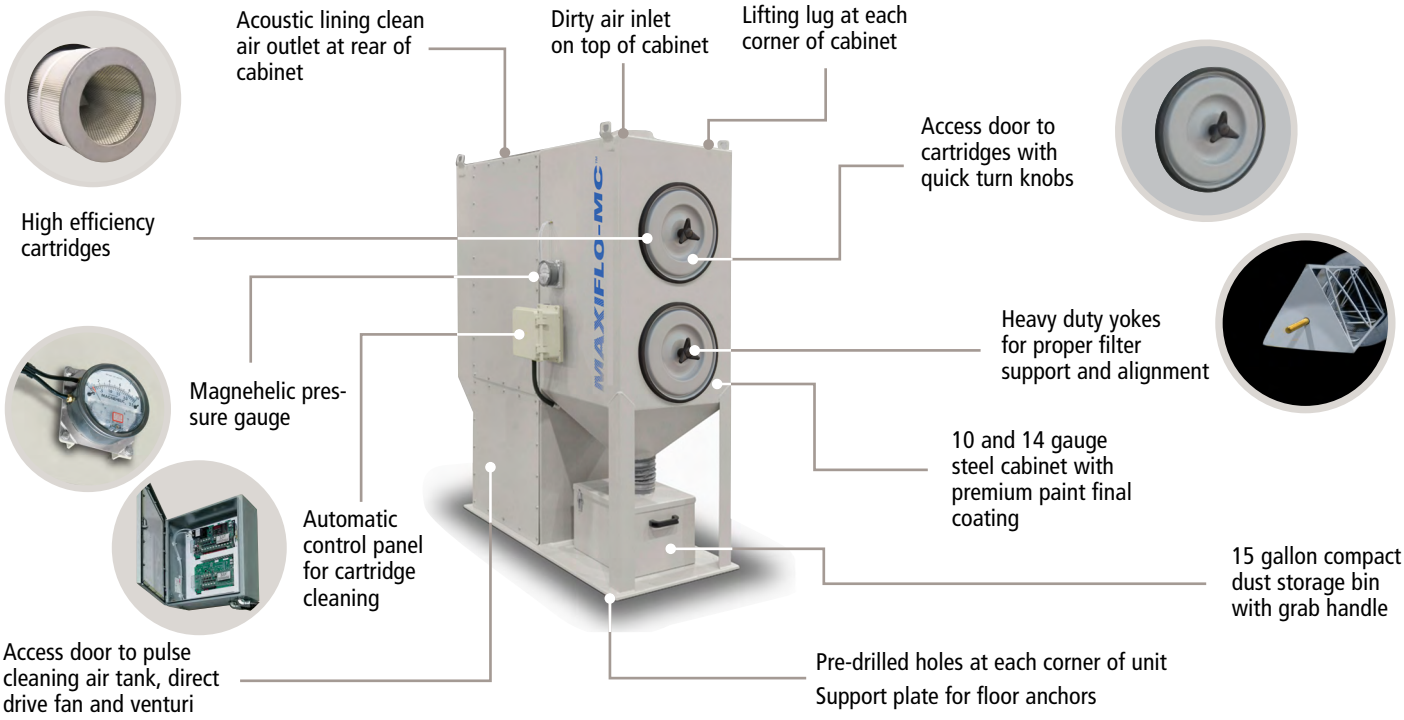


The acquisition cost is just one part of the equation. It's the total cost including the operating cost ***throughout the life cycle of the equipment*** that must be kept low. This is what AQC delivers. The advanced technology, design, robustness, durability and safety of AQC products generate major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

MAXIFLO-MC DOWNFLOW HORIZONTAL CARTRIDGE COLLECTORS

- Ideal for welding fumes and fine grinding dusts
- Self cleaning with automatic reverse air pulse
- Minimal foot print
- Compact dust storage bin
- Robust painted steel cabinet
- Plug and play type unit

OUTSTANDING MAXIFLO-MC FEATURES



General information

CHART 1

Model	# of cartridge	Filtration surface ft²/m²	Max. air volume CFM/l/s	Max. HP/KW	Motor RPM	Weight lbs/kg	Air pressure required (Pulse cleaning)
DMC-01	1	260/24	600/283	1.50/1.10	1750-3500 (as per static pressure required)	870/395	60-80 PSI
DMC-02	2	520/48	1450/684	1.5-2.00/1.1-1.5		1080/490	
DMC-03	3	780/72	2200/1038	3.00-5.00/2.25-3.75		1210/549	
DMC-04	4	1040/97	3300/1557	3.00-5.00/2.25-3.75		1210/549	
DMC-06	6	1560/145	4400/2077	5.00-10.00/3.75-7.45		1400/635	

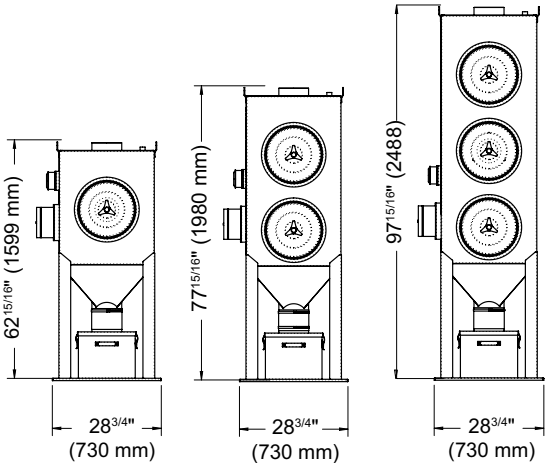
Motor voltages note: Fan motors are avalaible in all standard voltages. Contact your representative for specifications.

Cartridge efficiency :

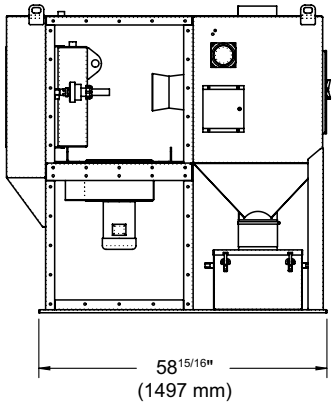
130 ft² (12 m²) polyester: U.S. & G 99.93 @ 0.2 - 2.0 microns
130 ft² (12 m²) polyester anti-static: U.S. & G 99.93 @ 0.2 - 2.0 microns
130 ft² (12 m²) polyester tandem: U.S. & G 99.93 @ 0.2 - 2.0 microns (40% more dust holding capacity)
260 ft² (24 m²) regular cellulose: U.S. & G 99.5 @ 0.2 - 2.0 microns
260 ft² (24 m²) nanofiber: MERV 15 as ASHRAE 52.2
260 ft² (24 m²) fire retardant: U.S. & G 99.5 or MERV 15

Note on explosion venting panels: A minimum clearance of 25' (7.6 meters) free of obstacles, pedestrian walkway, building walls, trees or bushes is required to allow dispersion of possible blast. Contact factory for details.
Note: Installation must be made according to local building codes and regulations.

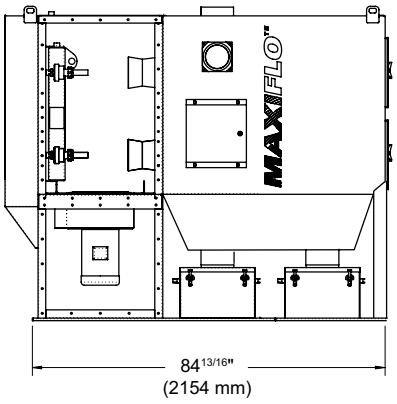
DIMENSIONS



DMC-01 & DMC-02



DMC-04 & DMC-06



YOUR MAXIFLO-MC FILTRATION UNIT SPECIFICATION

1. Unit:

10 and 14 gauge epoxy painted with primer steel cabinet, high efficiency cellulose cartridges, 260 ft² (24 m²), access doors to cartridges; heavy duty support yokes for catridges; venturi for proper cartridge pulse cleaning, dust deflector above first cartridge; Magnehelic gauge; dust hopper and dust storage bin with grab handle; flexible hose connection from hopper to dust bin; electronic control panel with adjustable timer for pulse cleaning in NEMA 4 enclosure; TEFC motor with acoustical plenum; 1" NPT compressed air connection; top inlet and outlet lift lugs; painted steel support structure with pre-drilled holes for floor anchoring (seismic zone 4); bolted access door to direct drive fan/motor assembly; anti-spark polyamide backward inclined impeller.

2. Model:

- a) DMC-01 260 ft² (24 m²) of filtration surface ☐
- b) DMC-02 520 ft² (48 m²) of filtration surface ☐
- c) DMC-03 780 ft² (72 m²) of filtration surface ☐
- d) DMC-04 1040 ft² (96 m²) of filtration surface ☐
- e) DMC-06 1560 ft² (154 m²) of filtration surface ☐

3. Voltage:

☐ 115/1/60 ☐ 230/1/60 ☐ 208/3/60
☐ 460/3/60 ☐ 575/3/60

4. Standard cellulose cartridges to be substituted for:

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

5. Unit to be equipped with:

- a) NFPA explosion relief vent
- b) Sprinkler head ☐
- c) Magnetic starter with overload protection ☐

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

660 rue de la Sablière, Bois-des-Filion (Québec) Canada J6Z 4T7
Phone. : **1-866-629-4356** • Fax : (450) 621-6677
Web site : www.aqcdust.com • e-mail : info@aqcdust.com

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