

MAXILAB

AQC SOURCE CAPTURE EQUIPMENT

HIGH FILTRATION PORTABLE UNIT



- HEPA filtration with a 99.97% efficiency at 0.3 micron
- 600 cfm
- Factory DOP certification
- CSA approval
- Simplified maintenance
- Stainless steel cabinet
- Continuous welded joints for washdown applications



DUST COLLECTION
& SOURCE CAPTURE

*Superior technology generating
substantial operating savings*

MAXILAB

High-Productivity Innovative Products

Compact and portable filtration unit

The MAXILAB is a high efficiency HEPA portable filtration unit. It is used in white rooms and laboratories to contain particles by source capture. With its continuous welding and its protective sealed starter control, it is perfect for wash down applications. Our unit has an airflow of 600 cfm and a 99.97% filtration efficiency on 0.3 micron sized particles. Each MAXILAB unit is certified DOP and CSA before leaving the factory.



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.

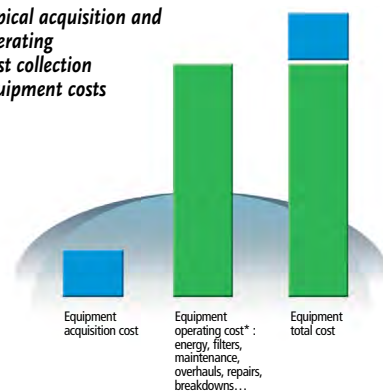
AQC is renowned for its technological innovation, safe and sophisticated equipment design, as well as its robust and precise product manufacturing. AQC stands out with its unique design of the baffles inside dust collectors making filter cleaning easy and a cartridge holder design that provides maximum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

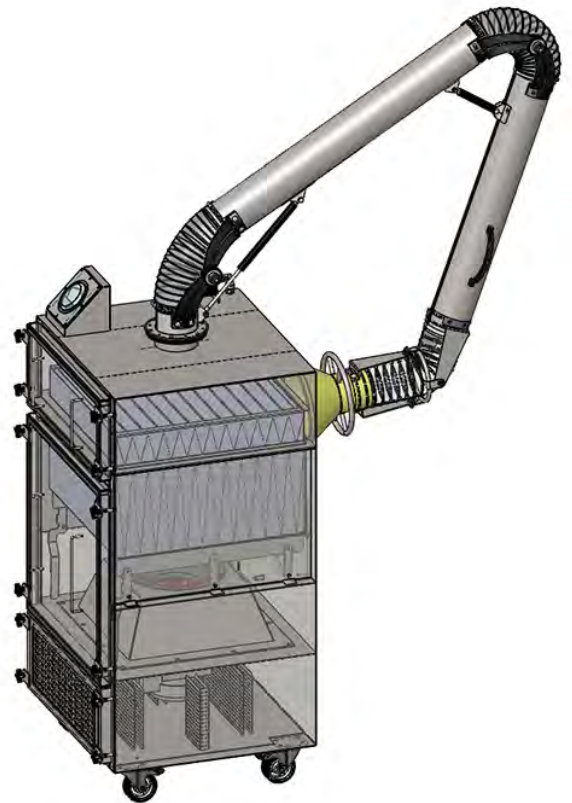
Typical acquisition and operating dust collection equipment costs



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.

MAXILAB STAINLESS STEEL PORTABLE HIGH EFFICIENCY FILTRATION UNIT***Powerful portable filtration unit***

- 600 cfm at the nozzle
- Stainless steel MAXAIR arm with external adjustments
- 65 dB(A) at 3' (1m)
- Backward inclined polyamide exhaust fan
- Simplified maintenance
- Portable unit for source capture
- Starter included
- Secure maintenance
- Delivered assembled (except mounting of MAXAIR arm)
- Minimal spare parts
- Recirculation of filtered air
- Ease of filter replacement

**High efficiency filtration HEPA 99.97%****Can make a room's pressure negative**

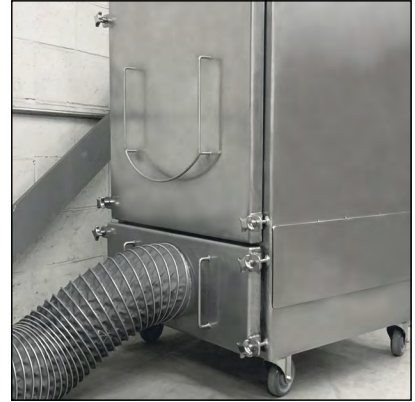
REMARKABLE FEATURES OF OUR MAXILAB UNIT



1 Exhaust plate with mesh



2 Exhaust plate with 8" ducting flange to connect to ambient air filtration system (option)



3 Sealed starter



4 HEPA filter



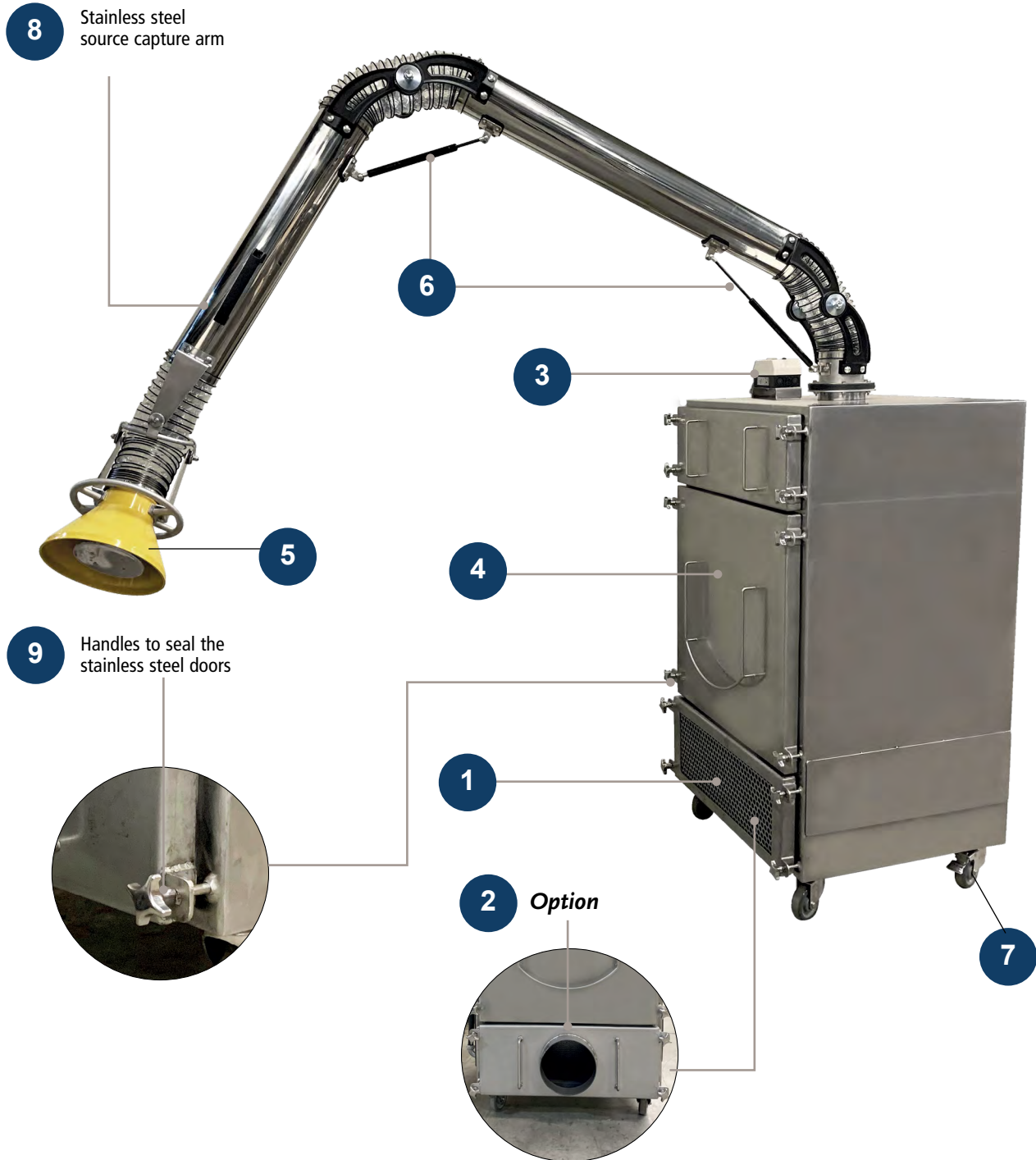
5 Hood with tube handle to facilitate manipulation



6 Gas cylinders for a greater stability of the capture arm



7 Robust polyamide wheels.

OUTSTANDING MAXILAB STANDARD FEATURES

TECHNICAL DATA

Models

CHART 1

Description	1 HP motor 115/1/160
	Model #
Unit with MAXAIR arm 5' x 8' (127 mm x 2.4 m)	MM-SS-0705-11
Unit with MAXAIR arm 5' x 10' (127 mm x 3 m)	MM-SS-1005-11
Unit with MAXAIR arm 5' x 14' (127 mm x 4.3 m)	MM-SS-1405-11

Note: Units with standard motors of 115/230/1/60 are provided with a 15 amps starter and plug, earthing indicator light, 15' (4.6 m) of SJTOWN electrical wire and wall plug with grounding.

Specifications

CHART 2

Weight without arm	lbs / kg	240 / 110
Weight with arm	lbs / kg	292 / 132
Motor	TEFC	Frame 56/ Face C
Power supply	V / Hz	208 / 60 / 230 / 60
Power	HP / kW	1 / 0.75
R.P.M.		3450
Air volume with arm	CFM / l/s	600 / 283
Noise level	dB(A)	65 @ 3' (1m)

Amperage

CHART 4

115-1-60	8.61 amps
208-1-60	4.76 amps
230-1-60	4.31 amps

Filters

CHART 3

Pre-filter (aluminium)	
Quantity	1
Dimensions in/mm	24 x 24 x 4 / 609 x 609 x 100
Filter efficiency	85%
Maintenance	Disposable
HEPA filter	
Quantity	1
Dimensions in/mm	24 x 24 x 11.5 / 610 x 610 x 292
Filter efficiency	99.97% @ 0.3 micron
Maintenance	Disposable

CSA CURRENT LEAK DETECTION

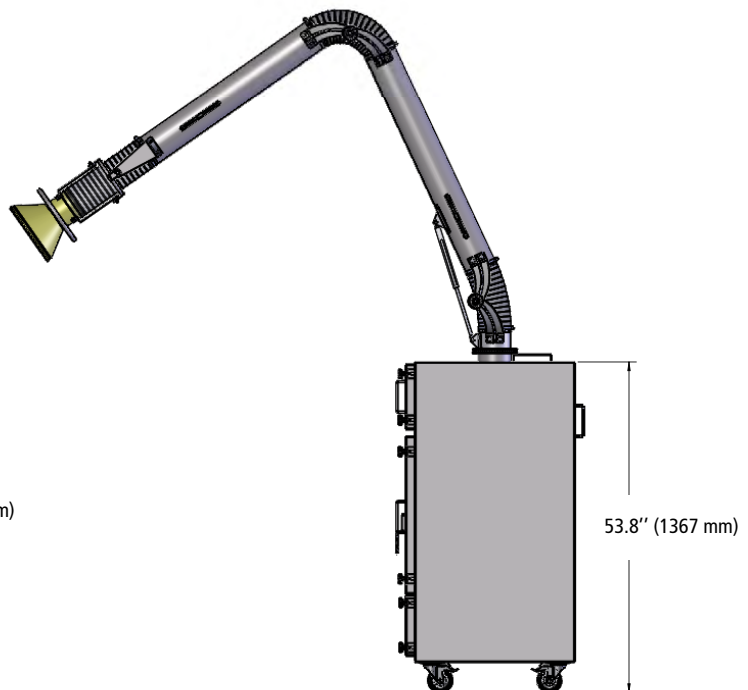
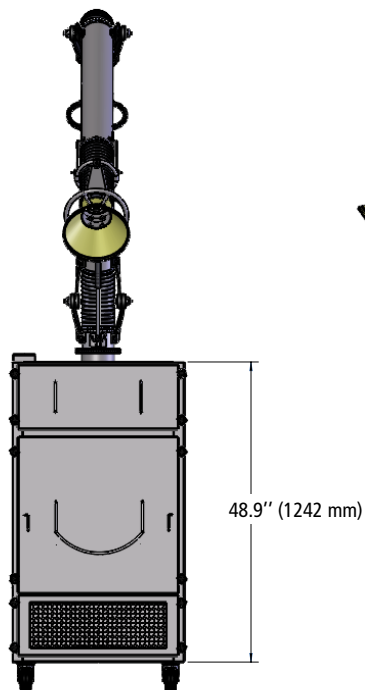
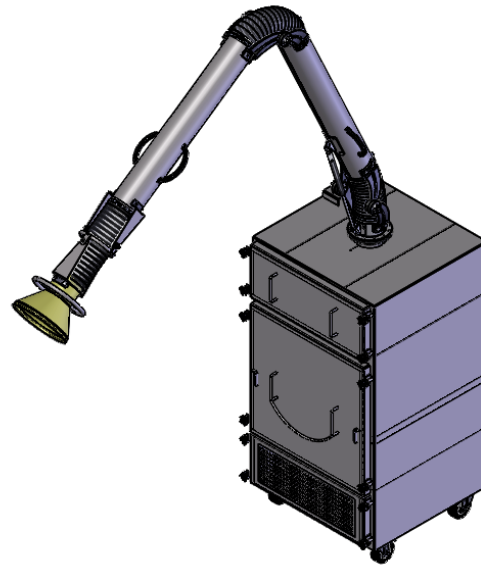
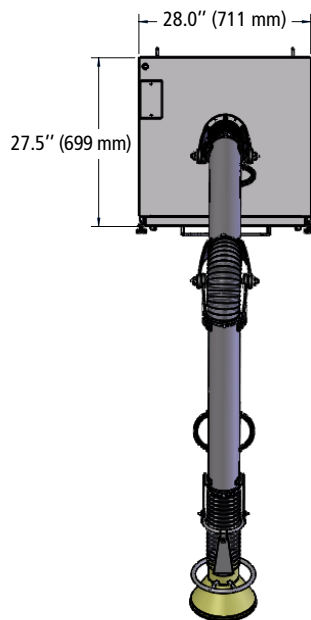
- Current leak detection tested in manufacture as per CSA standards
- Nanometer filter pressure loss differential indicator

DIMENSIONS

MAXAIR arm reach (Rmax)

CHART 5

7' (2.1 m) arm	5' / 1.5 m
10' (3 m) arm	7' / 2.1 m
14' (4.3 m) arm	10' / 3.05 m



YOUR MAXILAB SPECIFICATIONS

1. Unit:

Stainless steel housing, polished stainless steel arm with external articulations, FDA flexible joints, 4" (102mm) prefilter, 99.97% efficiency at 0.3 micron HEPA filter, DOP tested unit, polyamide wheels with a backward inclined type fan, 1hp motor placed in the inferior section of the cabinet with a sound attenuator. Our conception offers a low center of gravity to avoid dangers of tilting.

2. MAXILAB includes:

- | | |
|---|--------------------------|
| a) Plug with earthing sensor | <input type="checkbox"/> |
| b) Sealed and protected starter | <input type="checkbox"/> |
| c) DOP certification | <input type="checkbox"/> |
| d) HEPA filter (99.95% @0.3 microns) | <input type="checkbox"/> |
| e) Static pressure indicator, nanometer | <input type="checkbox"/> |
| f) CSA certification | <input type="checkbox"/> |
| g) 15' (4.6m) SJTOW electrical wire | <input type="checkbox"/> |
| h) Exhaust plate with mesh | <input type="checkbox"/> |

3. Options:

- | | |
|---|--------------------------|
| a) ULPA filter (99.99995% at 0.03 micron) | <input type="checkbox"/> |
| b) Exhaust plate with 8" ducting flange to connect to ambient air filtration system | <input type="checkbox"/> |

4. Voltage :

- | | |
|----------|--------------------------|
| 115/1/60 | <input type="checkbox"/> |
|----------|--------------------------|

5. MAXAIR fume arm

- | | |
|---|--------------------------|
| a) FA-PPG6-07 - 5" x 8' (203 mm x 2.1 m) | <input type="checkbox"/> |
| b) FA-PPG6-10 - 5" x 10' (203 mm x 3 m) | <input type="checkbox"/> |
| c) FA-PPG6-14 - 5" x 14' (203 mm x 4.3 m) | <input type="checkbox"/> |

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

Your AQC
representative is:



**DUST COLLECTION
& SOURCE CAPTURE**

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