

MAXIBENCH™

AQC SOURCE CAPTURE EQUIPMENT

WORK BENCHES and FILTRATION SYSTEMS

- Available in 1000 CFM and 2500 CFM
- Two models available
- Ideal for welding, grinding and sanding operations
- Fixed for permanent installation or movable on casters



*Superior technology generating
substantial operating savings*



DUST COLLECTION
& SOURCE CAPTURE

Downdraft work benches and tables

AQC work tables are designed for source capture in welding, grinding, sanding, mixing or woodworking applications and provide the user's environment with a clean and safe zone free from hazardous volatile dusts and fumes. In compliance with clean air rules and regulations, the Maxibench downdraft tables capture and filter harmful pollutants permitting clean air to be returned into shops and plants. The sophisticated filtration system eliminates expensive cooling or heating costs compared to usual methods of having contaminants exhausted outside of the workplace. Maintenance of the Maxibench table is reduced to a minimum. Dust collector drawers are emptied occasionally and the cartridges or filters are cleaned by a pulse of air from the integrated tank. Workers spend more valuable time in production than on maintenance downtime.



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.

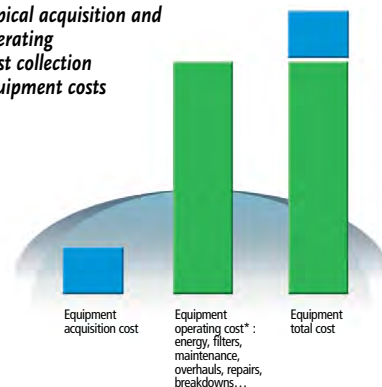
AQC is renowned for its technological innovation, safe and sophisticated equipment design, as well as its robust and precise product manufacturing. AQC stands out with its unique design of the baffles inside dust collectors making filter cleaning easy and a cartridge holder design that provides maximum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

MAXIBENCH DOWNDRAFT SYSTEMS FOR A CLEAN AIR***Ideal for welding, grinding and sanding***

- Water trays spark arrester
- 95% at 1 micron efficiency
- Fully welded steel cabinet
- Reinforced 12 gauge steel cabinet
- Easy access removable dust drawers

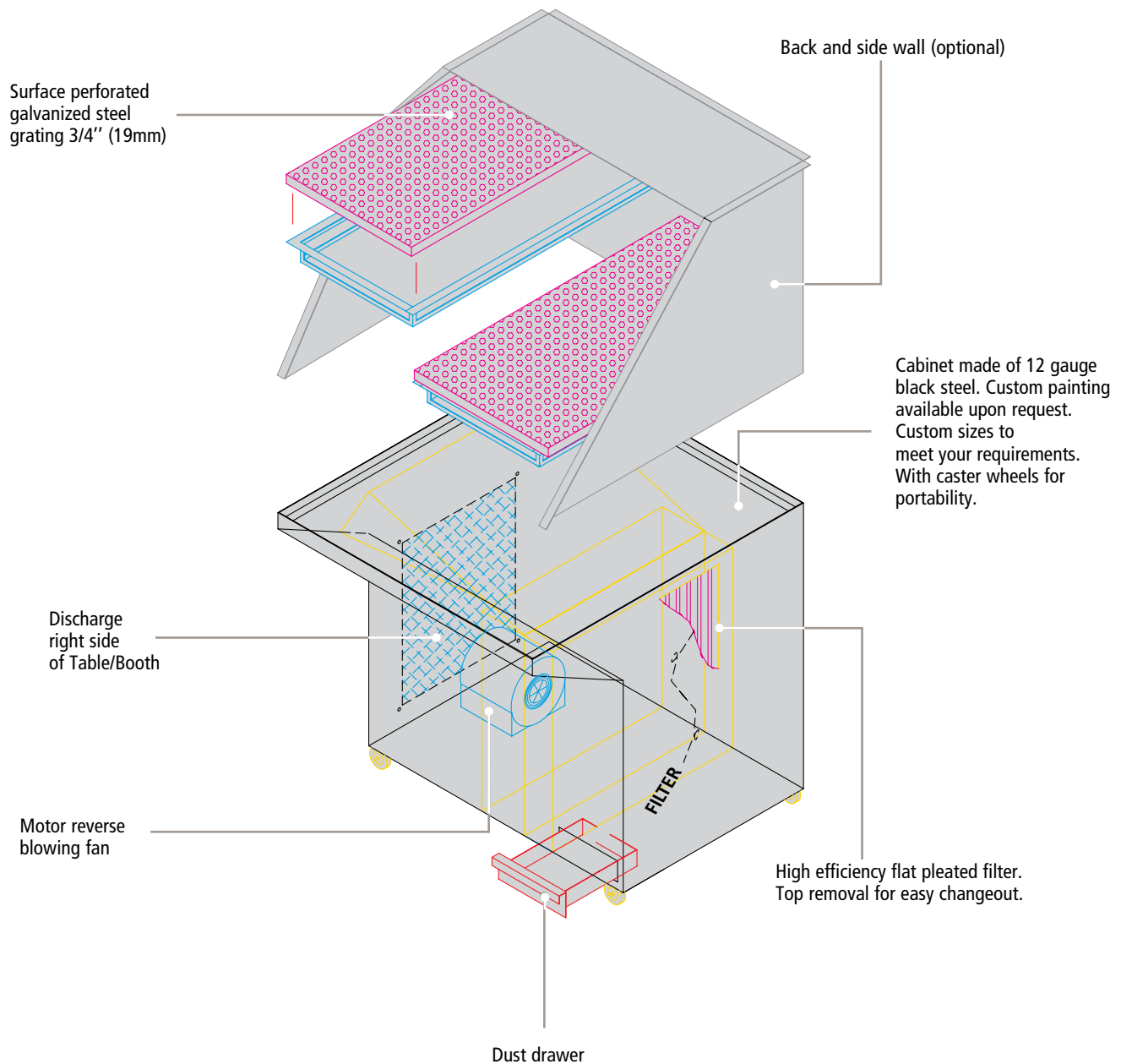
IDEAL FOR PLASTIC, COMPOSITE AND METAL INDUSTRIES***Multi-application equipment***

- Welding
- Cutting
- Grinding
- Sanding
- Mixing
- Batching
- Dusts
- Smoke

MB 1000**MB 2500**

OUTSTANDING MAXIBENCH STANDARD FEATURES

MB 1000



TECHNICAL DATA MB 1000

Cabinet

CHART 1

WEIGHT lbs/kg	300/136
DIMENSIONS	34" x 36" x 35" (864 x 914 x 889 mm)
OVER HANG	12" overhang
MATERIAL	Black Steel
THICKNESS	Reinforced 12 gauge
COLOR	Gray
PAINT FINISH	Powder coat
SURFACE GAL.	Steel
CLEAN OUT DRAWER	Front
OVERLOAD CONTROL BOX	Lockable
AIR FLOW	1000 CFM
FACE VELOCITY	300 FPM
DB RATING	64 to 75 Db
OPERATING TEMPERATURE	70 °F (21 °C)
CASTERS	Included

Filters

CHART 2

QUANTITY	1
DIMENSION	20" x 24" x 4" (508 x 610 x 102 mm)
MATERIAL	Media
EFFICIENCY	95% @ 1 micron
MAXIMUM OPER. TEMP	275 °F (135 °C)
FILTER REMOVAL SERVICE	Through top
DISCHARGE	Right side of Table/Booth

Spark arrest features

CHART 3

METAL MESH	Prefilter over filter (std)
SPARK TRAP	Water tray (std)
SPRAK TRAP	-
DUST DRAWER	9" x 20" x 3" (229 x 508 x 76 mm)
BAFFLES	For elimination of dust re-entrainment (std)
METAL MESH	Prefilters in grills (optional)

Fan

CHART 4

MOTOR	1 HP 60 hz 120 volts 230/460/575
BLOWER MODEL	Reverse Blowing Fan 1075 RPM
OVERLOAD	14 amps max
BLOWER MODEL	Tek polyamid
CAPACITY	1000 CFM @ 2" H ₂ O

Note: Motor starter included.

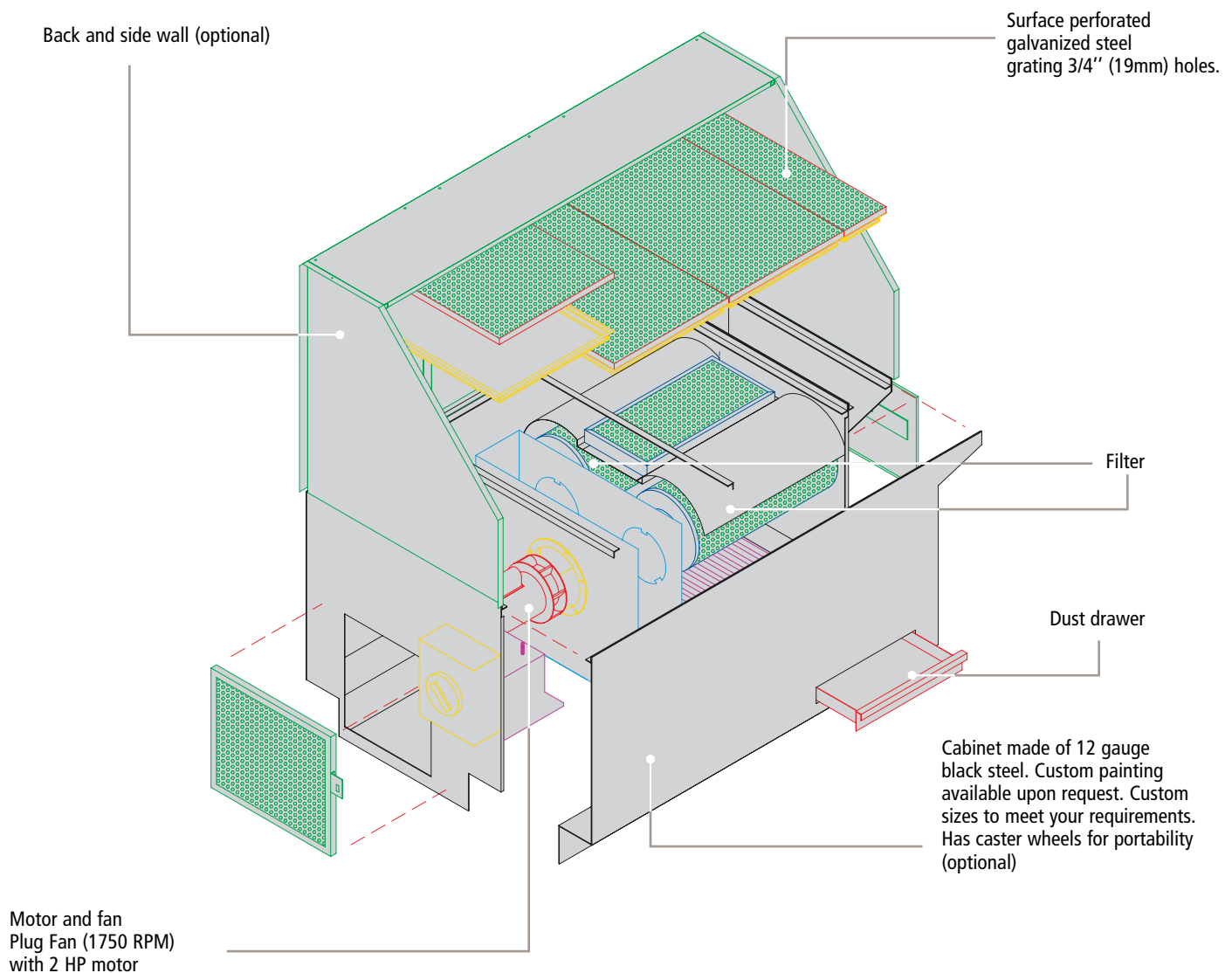
Cleaning system

CHART 5

TYPE	Manual / auto
CONTROL	Manual / auto
AIR PRESSURE	90 psi; with pulse
AIR PROPERTIES	Dry without oil

OUTSTANDING MAXIBENCH STANDARD FEATURES

**MB 2500 C
(pleated cartridge)**



TECHNICAL DATA MB 2500

Cabinet

CHART 6

WEIGHT lbs/kg	640/290
DIMENSIONS	36" x 72" x 36" (914 x 1829 x 914 mm)
OVER HANG	12" (305 mm) overhang
MATERIAL	Black Steel
THICKNESS	Reinforced 12 gauge
COLOR	Gray
PAINT FINISH	Powder coat
SURFACE GAL.	Perforated galvanized steel grating 3/4" (19 mm) holes
CLEAN OUT DRAWER	Front
OVERLOAD CONTROL BOX	Motor Starter NEMA 12
AIR FLOW	4000 CFM
FACE VELOCITY	300 FPM
DB RATING	64 to 75 Db
OPERATING TEMPERATURE	70 °F (21 °C)
CASTERS	Included

Filters

CHART 7

QUANTITY	2	
DIMENSION	12" x 3/4" x 26" (305 x 19 x 660 mm)	
MATERIAL	Cellulose, 260 ft ² (24 m ²) area and polyester (optional)	Cellulose, 528 ft ² (49 m ²) area and polyester (optional)
EFFICIENCY	97.5% at 1 micron	
MAXIMUM OPER. TEMP	275 °F (135 °C)	
FILTER REMOVAL SERVICE	Through right side access	
DISCHARGE	Left side of Table/Booth	

Spark arrest features

CHART 8

METAL MESH	Prefilter over filter (std)
SPARK TRAP	Water tray (std)
SPARK TRAP	Semi-circle metal cartridges baffles
DUST DRAWER	13" x 24" x 3" (330 x 610 x 76 mm)
BAFFLES	For elimination of dust re-entrainment (std)
METAL MESH	Prefilters in grills (optional)

Fan

CHART 9

MOTOR	5 HP/3/60 hz TEFC 208/230/460/575
BLOWER MODEL	14" (356mm) Wheel & Cone
OVERLOAD	Base on motor voltage
BLOWER MODEL	Tek polyamid
CAPACITY	2500 CFM @ 3" H ₂ O

Note: Motor starter included.

Cleaning system

CHART 10

TYPE	Reverse pulse through 2 ports
CONTROL	Auto activated self-cleaning (5 or 10 pulse)
AIR PRESSURE	Compressed air pressures 90-100 p.s.i
AIR PROPERTIES	Dry without oil

Compressed air tank

CHART 11

QUANTITY AND SIZE	1 per table 7 ^{1/2} " x 5 ^{1/2} " x 21" (190 x 140 x 533) long
LOCATION	Internal Blower Compartment

OPTIONS AND SPARE PARTS

Neon lighting



Hinged side walls



Starter



Pleated filters



Pleated filters for MB 1000

Metal mesh spark arrester filters and charcoal after filters



Pleated cartridges



Pleated cartridges for MB-2500 unit

Explosion proof motor



OPTIONS AND SPARE PARTS

1. What kind of work is being performed

Grinding ☐ Welding ☐ Buffing ☐ Cutting ☐
Batching ☐ Mixing ☐ Dust ☐

2. Material

Metal ☐ Wood ☐ Composite ☐
Alloy ☐ Explosive ☐ Toxic ☐

3. Velocity FPM / ft²:

100 ☐ 150 ☐ 200 ☐ 250 ☐ 300 ☐

4. Work

Light ☐ Heavy ☐

5. Flexibility:

Hinged side walls ☐

6. Explosion risk:

Explosive material ☐

7. Model:

a) MB-1000: 34" X 36" (864 x 914 mm) ☐
b) MB-2500: 36" X 72" (914 x 1829 mm) ☐

8. Options:

a) Hinged side panels ☐
b) Light ☐
c) Explosion proof motor ☐
e) Charcoal after filters ☐

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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