• Single or double pivot
• Adjustable pressure friction disks
• Ball bearing movement
• Increases reach of equipment by up to 20’ [6.2 m]
• Can be equipped with Maxair fume arm, Maxireel exhaust hose reel or Maxidrop hose drop system
• Top or bottom exhaust outlets
• Two diameters available

Superior technology generating substantial operating savings
**Extension pivot boom**

MAXIREACH pivoting extension booms are designed to increase the area of reach for source capture products such as the Maxair self supporting fume arms and vehicle exhaust equipment such as MAXIREEL hose reels or MAXIDROP hose drops. The extension booms help reaching points which are distant from a wall or other mounting areas. Extension booms can also be used to support items such as welding wire feeders or to undersling hoses or cables in conjunction with their primary function. The swivel section of the extension booms is made of rolled steel pipe. The top and bottom of the pipe is adapted to adapt a MAXIDRIVE fan or flanged duct connection. The extension beams are manufactured of heavy gauge steel tubing with a bearing swivel. The spiral ducting mounted along the beam has a diameter of 6" [150 mm] or 8" [200 mm]. Standard units are supplied with brackets for mounting fume arms or hose drops. Double pivot type extension booms are divided by a bearing hinge which allows the user to reach back under the extension boom.

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**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.

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**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.
MAXIREACH WHEN EXTENDED REACH IS A MUST

A great complement to MAXAIR fume arms, MAXIREEL exhaust hose reels or MAXIDROP hose drops
Most of our competitors do not include these standard features:

- Completely self-supported
- Ball bearing movement for ease of usage (2nd pivot)
- Choice of two diameters: 6” [150 mm] or 8” [200 mm] and lengths up to 20’ [6,2 m]
- Single or double pivot for multiple applications
- Smooth tube design results in lower static pressure
- Robust and heavy gauge steel construction (powder painted)

MULTIPLE POSSIBILITIES FOR VARIOUS APPLICATIONS

- Large welding shops • Truck maintenance • Dust and smoke exhaust

TYPICAL APPLICATIONS FOR MAXIREACH EXTENSION BOOMS
MAXIREACH extension swing booms are made of steel with single or double pivot joint(s). Friction disks at the joints ensure no steel parts rub against each other causing premature wear. The second pivot works on a ball bearing assembly. The spiral ducting in 6” [150 mm] or 8” [200 mm] mounted on saddles minimizes static pressure and air pressure loss. Different lengths up to 20’ [6,2 m] are available (page 7). The support rod attached between the boom base and rod bracket ensures proper leveling of MAXIREACH boom. Flexible hoses (250 °F or 120 °C) at joints are clamped to spiral ducting. Higher temperature tolerance flexible hoses are available. End of boom is equipped with a support bracket for the MAXAIR fume arm or MAXIDROP hose drop systems for vehicle fume exhaust. A custom support bracket can be installed at the end of the single pivot boom for MAXIREEL exhaust hose reel.

Note: installation must be made according to local building codes and regulations.
**MAXIREACH main components**

1. Boom base and support bracket
2. Main exhaust pipe (top or bottom exhaust)
3. Bushing pivot joint
4. Flexible hose with clamps
5. Spiral exhaust duct
6. Primary support steel beam
7. Companion flange for exhaust (end cap included)
8. Rod bracket
9. Arm or hose drop bracket
10. Support rod
11. Duct saddles

**Maxireach components — single pivot model**

- 1. Boom base and support bracket
- 2. Main exhaust pipe (top or bottom exhaust)
- 3. Bushing pivot joint
- 4. Flexible hose with clamps
- 5. Spiral exhaust duct
- 6. Primary support steel beam
- 7. Companion flange for exhaust (end cap included)
- 8. Rod bracket
- 9. Arm or hose drop bracket
- 10. Support rod
- 11. Duct saddles

**Maxireach components — double pivot model**

- 1. Boom base and support bracket
- 2. Main exhaust pipe (top or bottom exhaust)
- 3. Bushing Pivot joint
- 4. Flexible hose with clamps
- 5. Spiral exhaust duct
- 6. Primary support steel beam
- 7. Companion flange for exhaust (end cap included)
- 8. Rod bracket
- 9. Arm or hose drop bracket
- 10. Support rod
- 11. Duct saddles
- 12. Secondary support beam
- 13. Ball bearing pivot joint

**Maximum reaches — double pivot with MAXAIR fume arm**

- A1. 15' [4.60 M]
- B. 5' [1.55 M]
- C. 11.2' [3.40 M]

**Maximum reaches — single pivot with Maxair fume arm**

- A2. 20' [6.15 M]
- C. 11.2' [3.40 M]

**MAXIREACH installation note:** installation height of horizontal beam and equipment at end of such beam should be coordinated with the facility manager for safety of the employees. Lateral movement of the MAXIREACH extension swing boom should not encumber other equipment or be a potential risk of injury to employees. Refer to appropriate leaflet for optional equipment selected with MAXIREACH boom.

**Shipping note:** because of freight restrictions, longer than 10' (3 m) MAXIREACH extension booms are shipped in two (2) sections. Main tube will need field assembly with joiner included.
**MAXIREACH BOOM BASE DIMENSIONS**

**Boom base 6” [150 mm]**

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**Boom base 8” [200 mm]**

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**Base dimensions**

**Booster 6” [150 mm]**

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**Booster 8” [200 mm]**

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**Note:** refer to MAXIDRIVE leaflet for fan capacity and technical data.

**Chart 1**

**Booster 6” [150 mm]**

with 1hp MAXIDRIVE fan (Top view)

**Booster 8” [200 mm]**

with 2hp MAXIDRIVE fan (Top view)

**Chart 2**

**Blower position limitations**

**Blower position limitations**

**Static pressure & airflow**

**Fan data**

- Available voltages: 115 / 230-1-60, 208 / 460-3-60, 575 - 3-60
- Blade type: Backward inclined (aluminum)
- Housing: steel (painted)
- Motor: TEFC
- R.P.M.: 3450
### MAXIREACH model numbers

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**MAXIREEL OPTIONAL EQUIPMENT NOTE AND MODEL NUMBER**: add suffix letter H to MAXIREACH model number for extension booms equipped with hose reel. Ex: EBSH-815 instead of EBS-815. Refer to MAXIREEL leaflet for details.

### Static pressure & air flow

**Superior technology generating substantial operating savings**

**Note**: double pivot booms static pressure will increase as the second pivot rotates left or right. Full rotation on second pivot will increase static pressure by 35-40%. Static pressure shown in chart does not include source capture equipment. Refer to appropriate leaflet for selection.
Options

- MAXAIR fume arm
- MAXIDROP exhaust hose drop
- MAXIREEL exhaust hose reel
- MAXIDRIVE exhaust fan
- High or extreme temperature hoses at joints
- Non-standard lengths and diameters
- Booms connected to dust collectors
- Stainless steel construction

Create your MAXIREACH extension swing boom specification

1. Extension swing boom should include:
   Painted tubular steel tubing, spiral ducting, adjustable pressure friction disks at joints, 275 °F hoses at boom base and pivot joints and support bracket for MAXAIR fume arm or MAXIDROP hose drop system, pull rod on 1st pivot for levelling and support, adjustable pressure friction disks at boom base pivot ball bearing movement on second pivot.

2. Extension swing boom should have diameter of:
   a) 6'' [160 mm]
   b) 8'' [200 mm]

3. Extension swing boom should have total length of:
   a) 5' [1.55 m]
   b) 10' [3.10 m]
   c) 15' [4.60 m]
   d) 20' [6.15 m]

4. Extension swing boom should consist of:
   a) single pivot with adjustable pressure friction disks and support base
   b) double pivot with 2/3rds of total length on first pivot and 1/3rds remaining on second pivot portion

5. Extension swing boom should include:
   a) top ducting connection
   b) bottom ducting connection
   c) Maxidrive 1H.P. for 6'' boom
   d) Maxidrive 2H.P. for 8'' boom

6. Extension swing boom should include:
   support bracket for Maxireel exhaust hose reel (single pivot only)

7. Extension swing boom should include optional:
   a) 500 °F [260 °C] flexible hoses at pivot joint(s)
   b) 900 °F [480 °C] flexible hoses at pivot joint(s)
   c) telescopic aluminium grab pole for lowering nozzle from Maxireel or Maxidrop exhaust system
   d) lateral positioning cable and handle kit for booms equipped with MAXIREEL or MAXIDROP exhaust system

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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