



Dust Collectors & Fume Exhausters

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Cartridge Type

MAXIFLO

Stand Alone Pleated Cartridge Dust Collector.

Description:

- MAXIFLO-MC downflow cartridge dust collector.
- Pulse cleaning of the cartridges with compressed air
- Body and hopper made of 10 and 12 ga steel with reinforcement when required.
- Supporting structure.
- Polyurethane finish.
- 1, 2 or 3 service doors for service to the cartridges.
- Floor support base



DS Item #	Model	# of Cartridges	Filtration Surface SQ.FT. / SQ.MT.	Max. Air Volume CFM / LS	Max. HP / KW	Motor RPM	Weight Lb / Kg	Air Pressure Required (Pulse Cleaning)
Call us	DMC-01	1	260 / 24	600 / 285	1.50 / 1.10	1750 / 3500 (as per static pressure required)	870 / 370	60-80 PSI
Call us	DMC-02	2	520 / 48	1450 / 685	1.5-2.00 / 1.10-1.5		1080 / 490	
Call us	DMC-03	3	780 / 72	2200 / 1040	3.00-5.00 / 2.25-3.75		1210 / 550	

DS TECH TIP

HOW TO DETERMINE THE CFM REQUIRED?

For a blast room application, we must determine the room volume. Measure inside room and multiply length X width X height to calculate volume. (Example: 12 ft long X 6 ft wide X 8 feet high inside = 576 cubic feet.) The recommended air changes per minutes for such an application are between 4 and 5. Using the previous example, a room of this size would require between 2400 to 3000 CFM capacity dust collectors. Call us to discuss your application and possible solutions.



Cartridge Type

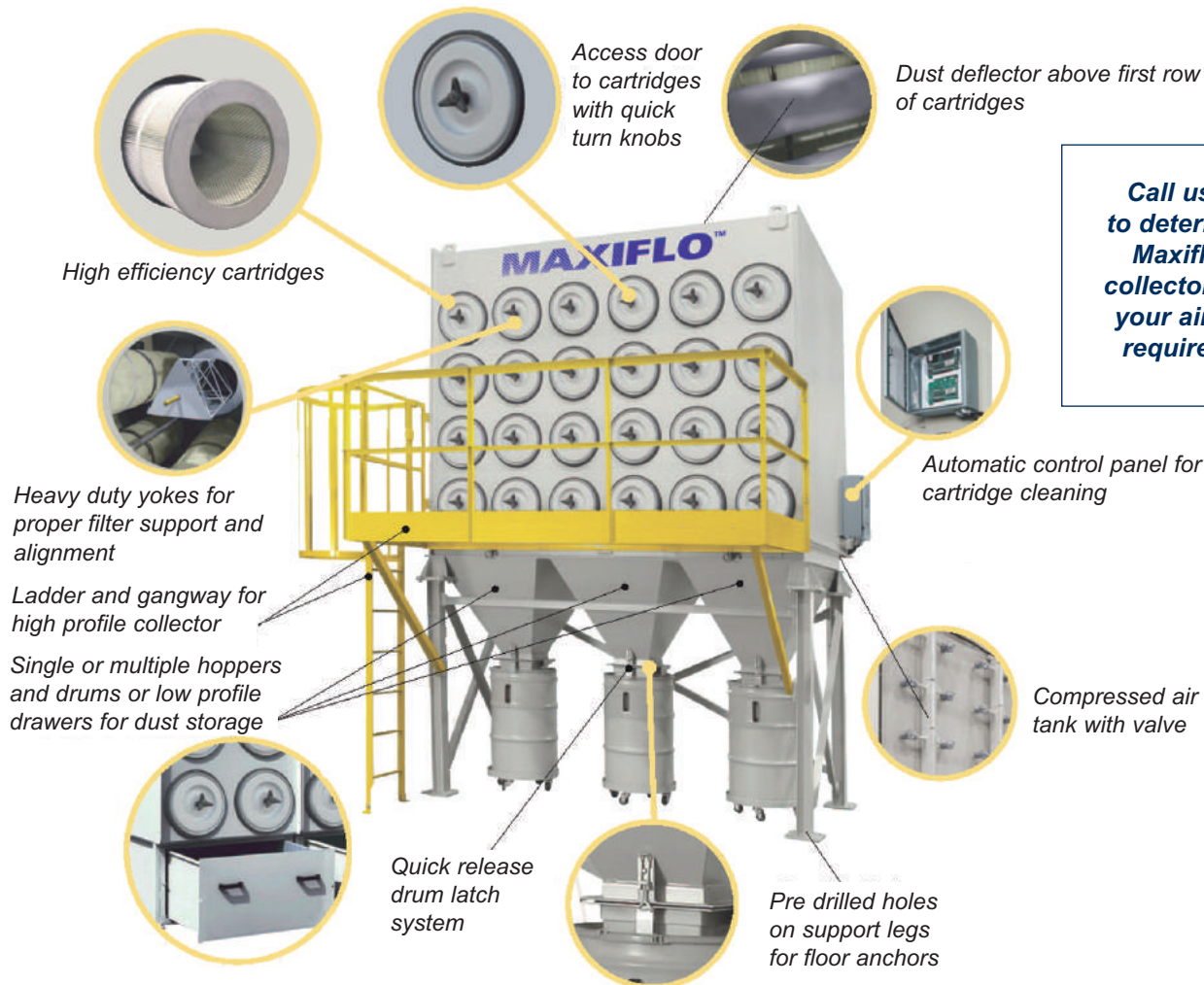
MAXIFLO MODULAR DUST COLLECTORS

The MAXIFLO dust collector is horizontal down flow type dust collector. Dust-laden air is drawn into the collector by means of a fan. Particles swirl evenly around the horizontally positioned pleated cartridges and are progressively filtered from the outside of the cartridge returning clean air into the facility. Maintenance is greatly reduced since the electronic control panel sends a cascading signal to air valves pulsing compressed air from the inside of the cartridges toward the outside while the unit is in service. This shockwave dislodges dirt and dust from the cartridge surface so it can be collected in the dust storage systems.

The unique design and manufacturing of AQC equipment generates significant savings:

- 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 operation 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
- Manufactured in Canada

SECTION 7. DUST COLLECTORS & FUME EXHAUSTERS



Call us today to determine the Maxiflo dust collector to meet your air quality requirements.



Bag Type

AGET DUST COLLECTOR

The FT40 is designed to capture dust particles as small as 0.3 microns using cotton sateen cloth filter tubes as the filter media. Equipped with top mounted Exhausters which pull contaminated air to the filter tubes, releasing clean air into the work area, where permitted, or into the atmosphere. They are completely weatherproofed for outdoor applications, when equipped with vent cover. Electrically operated, manually controlled shakers are standard on the FT 40S.

The pull through exhauster and after-filter combinations are shipped completely assembled (stands are separate) to save installation time and transport costs.

SECTION 7. DUST COLLECTORS & FUME EXHAUSTERS



Standard Features:

- 40 filter tubes (bags)
- 400 square feet filter area
- Motorized shaker for filter tubes (bags)
- Includes fan
- Includes enclosure for protection against elements
- Weight: 1480 lb

Economical
dust collection

FT40 SERIES

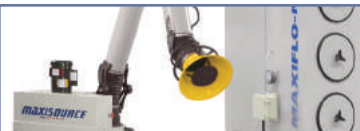
DS Item #	Model	HP	CFM
12013312	FT40S51-D1	5	2200
12013313	FT40S71-D1	7.5	3200
12013311	FT64S101-D1	10	5000

Other size & configurations available.

REPLACEMENT PARTS

DS Item #	Description
12013346	Filter bag for FT40 dust collector
12013332	Drum 45 gal. for FT40

FT40 with enclosure shown. Drum sold separately.



Cabinet & Suction Wall Type

GHINES smart machines SUCTION BENCH WITH TWOFOLD DRY DUST EXHAUSTION

XEOLOS walls and XAERO benches can be used alone or in sequence with other suction walls and benches, according to the extent of the work stations needed.

How it works

Integrates two different filtration systems both totally dry operating:

- Cyclones guaranteeing pre-exhaustion of the extracted dust.
- Dry "F8" class filters assuring total exhaustion of the dust.

Features :

- Strong jets of compressed air, cleaning automatically and/or manually the filters.
- Drawer collecting the dust, exhausted by cyclones and filters, is easily accessible and allows to do the maintenance in a few minutes.



GHINES smart machines SUCTION WALL AND BENCH WITH WATER DEPURATION

The solid and sturdy metallic structures treated with epoxy varnishes, together with the galvanization of inside tanks and of drop separators, guarantee low sound and extra long exploitation of your investment. Thanks to innovative technologies, GHINES products do not have pumps, filters or mechanical moving parts, reducing maintenance to a minimum and assuring long operation with no troubles.

How it works

A strong aspiration captures the dust inside the machines, where it joins the atomized drops. Thanks to the metallic separators with lamellar structure, dust merges with water plunging to the bottom of the internal tank, from which it is expelled thanks to the continuous outlet water flow.

Features :

- Electrovalve for automatic control of water inlet
- Galvanized collect tank
- Filtering system: mechanical drop separator
- Exhaustion: 98% of the aspired dust
- Water requirement: flow in rate 3 liters/min, pressure 2 bar





Portable Dust Collection System

MAXI PORTABLE DUST COLLECTOR

The portable, practical and multipurpose (welding, sanding, dust collection..). Maxiroll is designed to serve several workstations quickly and efficiently, which makes it an economical filtration and pollution control unit. Available in single arm (Maxiroll) and dual arm (Maxicart) models. Both Maxiroll and Maxicart units are easily moved to the desired location with the help of swivel casters and push handles. Cartridge cleaning is a snap. Simply push the palm button to discharge the compressed air from the integrated tank. Both units have large dust trays at the bottom and emptied when needed. Backward inclined fans deliver great air volume while the foam insulated steel cabin ensures quiet running. Maxair arms are offered with the units or they can also be hard piped to a fume hood or other remote source capture device.

SECTION 7. DUST COLLECTORS & FUME EXHAUSTERS

Includes a highly advanced system with three filtration stages:

- 99.9% efficient main filter cartridge
- Safe spark trap aluminum filter
- Charcoal after filter

Maxi carts standard features include:

- Self-cleaning system by manually activated air pulse.
- Easy maintenance (no tools required).
- Very low noise levels due to the insulated construction.
- Equipped with a highly efficient and easy-to-operate Maxair fume arm
- Its compact design enables it to go through any standard doorway.
- Durable construction in robust steel.



Maxiroll



Maxicart



Easy access to filter

DS Item #	Description	CFM	MAX DUST
12210490	MAXIROLL PORTABLE	650	1 ARM
12210491	MAXICART PORTABLE	1500	2 ARMS

Call us to discuss your specific application!



Fume & Dust Suction Arms

MAXAIR EXHAUST DUST AND FUME ARMS

Maxair dust extraction for fast, easy and economical long-term air control!

Features:

- Maxair fume arms are built to reduce to a minimum the presence of industrial indoor air particles.
- Maxair fume arms are ideal for a whole range of capture applications: dust, smoke, steam and welding.
- Highly functional design facilitates fume arm handling and ease of movement.
- All supports and articulation joints are outside of the fume arm. The inside is smooth, without any obstacles that could reduce airflow, accumulate deposits and increase internal friction, which consume energy unnecessarily.
- External supports and articulation joints are readily accessible, easy to adjust and require no maintenance.
- Air diverter in hood significantly increases dust and smoke capture velocity.
- The unique design of the robust and durable central pivot made of steel makes 360° rotation easy.
- Fan and mounting brackets not included.



Call us to discuss your specific application!

MAXIDRIVE FANS

High quality fans specifically designed for use with the Maxair arm. 1, 2, 3 hp fan motors available to meet your dust collection requirement available in most common voltage.

Features:

- Inlet cone for maximum vacuum
- Interior or exterior installation
- Rugged painted steel construction
- Multi purpose for source capture
- Aluminum backward inclined impeller with steel housing for spark-proof design



ARM AND FANS SUPPORT BRACKETS

Maxair brackets are designed and built to support arm only or arm/fan combinations. For wall or ceiling mount. Call us to discuss your requirements.



Cartridge Filters

REPLACEMENT DUST CARTRIDGES

We offer state-of-the-art Nanofiber Technology cartridge filters as well as conventional polyester cartridge filters to retrofit competitive dust collectors.

Nanofiber Technology cartridge filters

Provides unequalled surface loading capabilities with nano sized interfiber pores. Dust particles easily pulse off the surface layer, keeping the media clean. Other types of cartridge filters enable particulate to become embedded deep within the media substrate. These depth-loading filters require intensive cleaning and are subject to continual abrasion and wear. Although cellulose filters use a melt blown surface treatment to capture particles on the surface, they also form a layer approximately 100 times thicker than nanofiber filters do. This creates very deep and wide pores that allow particles to penetrate deep within the media substrate, similar to other depth-loading cartridge filters.

Nanofiber Filter Features :

- Best in class MERV 15 efficiency on sub micron particulate.
- Lower initial & operating pressure drop.
- Reduction in cleaning cycles, prolongs filter life.
- Compressed air and energy savings.
- Reduced outlet emissions.
- Reduced downtime.

Call us to discuss replacing your cartridge filter today as part of regular maintenance plan.

DS TECH TIP

Workers involved in manufacturing of stone products, such as countertops or monuments, are at risk for significant crystalline silica exposure. Crystalline silica commonly occurs in nature as the mineral quartz, and is found in granite, sandstone, quartzite, various other rocks. Workers who inhale very small crystalline silica particles are at risk for silicosis – an incurable, progressively disabling and sometimes fatal lung disease. Silicosis results in permanent lung damage. Silica dust particles become trapped in lung tissue, causing inflammation and scarring and reducing the lungs' ability to take in oxygen. In most cases, the health and financial impacts of worker exposure are often felt years after the worker has retired or left the company.

Stone	Average % Silica
Engineered stone	≥93
Quartzite	95

Stone	Average % Silica
Sandstone	60
Granite	10-45

Stone	Average % Silica
Slate	Varies
Soapstone	Varies

Sources: Silica Hazards from Engineered Stone Countertops, NIOSH Science Blog, March 2014; ASTM C616, Standard Specification for Quartz-Based Dimension Stone; American Geological Institute, Dictionary of Geological Terms

These exposures come from dry cutting, grinding, edging, and may occur in shop environments as well as on job sites where finishing work is completed. Workers performing other tasks in areas close to where silica dust-generating operations occur may also be exposed.

Worker safety boards across North America recommend the following techniques where workers can inhale silica-containing dust:

- Using wet cutting, grinding and polishing to reduce crystalline silica from getting airborne.
- Using water spray to regulary wet floors.
- Using local exhaust ventilation (LEV), in other words, capturing the dust at the source and capturing in a dust collector.
- Using appropriate personal respiratory equipment.

Call us today to discuss how we can help protect the health of you team!