

INDUSTRIAL FILTRATION SOLUTIONS

Clean Air • Better Performance • Sustainable Future

Premium Filtration Equipment for a Cleaner, Safer, and More Efficient Workplace

Reliable Performance

Advanced Technology

Energy Efficient

Global Support

ENGINEERED FOR INDUSTRY. BUILT FOR EXCELLENCE.

www.filtration-solutions.com

COMPANY PROFILE

Our company has long been dedicated to the environmental protection filtration industry, integrating R&D, production, and sales into one.

Guided by our corporate spirit of "Integrity, Customer Focus, and Innovation", we are committed to continuous improvement in the environmental protection industry, providing high-quality products and services that earn increasing recognition from customers and the market.

By eliminating filters, dust collectors, and related accessories, we have built a complete industrial chain. Our dedication to authentic craftsmanship and continuous technological innovation enables us to meet the needs of our clients while contributing to lowering labor intensity, protecting worker health, minimizing occupational hazards, and reducing the occurrence of accidents.

SKY-FS SERIES FILTER CARTRIDGE DUST COLLECTOR

PRODUCT FEATURES

- The SKY-FS outdoor filter cartridge dust collector is typically used in environments with high dust concentration, such as machinery, central vacuum systems, woodworking, grinding, food processing, biomass energy, pharmaceutical, and pork processing industries.
- Effective filtration, large filtration area, low filter cartridge consumption, high filtration efficiency, and low operating resistance.
- Inlet air distribution design prevents dust from entering directly, extending the service life of filter cartridges.
- Automatic pulse jet cleaning enables stable performance and easy operation.
- Reliable operation, excellent performance, convenient maintenance, and long service life.

SKY-FS SERIES SPECIFICATIONS

Model	MC-2700	MC-3500	MC-4000	MC-6000	MC-11000
Air Volume (m³/h)	2700-3200	4000-5000	6000-8000	8000-10000	10000-12000
Filter Cartridge (pcs)	3	4	5.5	7.5	11
Power (kW)	380	380	380	380	380
Fan Pressure (Pa)	1578	1650	2014	2054	2187
Pulse Value (psi)	4	4	5	6	9

EQUIPMENT MAINTENANCE

- Users must maintain the equipment regularly to ensure long-term stable operation and high purification efficiency.
- Clean the equipment every day.
- Regularly inspect and replace filter elements, filter bags, and solenoid valves.

SKY-MOD SERIES DUST COLLECTOR

PRODUCT FEATURES

- The modular integrated design enables large air volume dust collection, with pulse jet cleaning for easy and straightforward filter installation.
- High collection efficiency: captures fine particles down to 0.5 microns. Filtration efficiency up to 99% for PTFE membrane filter media and moisture-resistant polyester filter cartridges.
- Equipped with pulse jet cleaning system featuring solenoid valves, direct pulse valves, an air tank, and control unit—simple operation and easy maintenance.
- Rugged and durable construction with excellent sealing performance, compact structure, energy-efficient operation, and low operating cost.

SKY-MOD SERIES SPECIFICATIONS

Model	MC-7000	MC-10000	MC-12000	MC-17000	MC-20000
Air Volume (m³/h)	7000-8000	8000-12000	12000-15000	15000-18000	20000-22000
Filter Area (m²)	7.5	11	15	18	22
Power (kW)	380	380	380	380	380
Fan Value (psi)	4	9	12	16	20

EQUIPMENT MAINTENANCE

- Users must maintain the equipment regularly to ensure long-term stable operation and high purification efficiency.
- Clean the equipment every day.
- Regularly inspect and replace filter elements, filter bags, and solenoid valves.

SKY-GT SERIES DUST COLLECTOR

PRODUCT FEATURES

- Inlet air distribution with deflector plate prevents direct impact on filter elements, extending their service life.
- High-performance centrifugal fan with stable operation and low noise.
- Designed to prevent dust leakage, protecting the operator's health and ensuring a clean working environment.
- Integrated solenoid and dust collection system for efficient dust capture at the source.
- Flexible, movable design for convenient relocation and enhanced versatility.
- Durable construction with high resistance to corrosion and wear.
- Long filter service life with stable performance and easy maintenance.
- Pulse jet cleaning system keeps the filter in optimal condition at all times.
- Drawer-type dust collection tray for quick and convenient dust disposal.

SKY-GT SERIES SPECIFICATIONS

Model	MC-600	MC-1000	MC-2000	MC-2700	MC-3500	MC-4000
Air Volume (m³/h)	600-800	800-1000	1000-1200	1200-1500	1500-1800	1800-2000
Filter Area (m²)	0.75	1.5	2.2	3	4	5.5
Power (kW)	380-420	380-420	380-420	380-420	380-420	380-420
Fan Pressure (Pa)	1210	1280	1470	1570	1650	2014
Pulse Value (psi)	1	1	2	2	2	4
Filtration Efficiency	99%					
Noise Level	< 75 dB(A)					
Cleaning Method	Pulse Jet Cleaning / Automatic					

EQUIPMENT MAINTENANCE

- Users must maintain the equipment regularly to ensure long-term stable operation and high purification efficiency.
- Clean the equipment every day.
- Regularly inspect and replace filter elements, filter bags, and solenoid valves.

SKY-FL SERIES DUST COLLECTOR

PRODUCT FEATURES

- The SKY-FL integrated dust collector is a compact high-efficiency unit with an internal fan, designed for space-limited installations. It delivers strong suction performance and is ideal for capturing dust generated during equipment operations. The integrated control system includes a fan, filter cartridge, pulse cleaning unit, and electrical control system.
- Equipped with high-performance filter cartridges, offering large filtration area and high dust capture efficiency. The surface filtration efficiency is up to 99% for PTFE membrane filter media, with moisture-resistant polyester filter cartridges.
- Inlet air deflector and guide vanes ensure uniform airflow distribution, preventing direct dust impact on the filter media and extending service life.
- Long service life, stable performance, easy operation, and convenient maintenance.

SKY-FL SERIES SPECIFICATIONS

Model	MC-600	MC-1000	MC-2000	MC-2700	MC-3500	MC-4000	MC-11000
Air Volume (m³/h)	600-800	800-1000	1000-1200	1200-1500	1500-1800	1800-2000	2000-2200
Filter Area (m²)	0.75	1.5	2.2	3	4	5.5	11
Power (kW)	380-420	380-420	380-420	380-420	380-420	380-420	380-420
Fan Pressure (Pa)	1210	1280	1470	1570	1650	2014	2187
Pulse Value (psi)	1	1	2	4	5	6	9
Filtration Efficiency	99%						
Noise Level	< 75 dB(A)						
Cleaning Method	Pulse Jet Cleaning / Automatic						

EQUIPMENT MAINTENANCE

- Users must maintain the equipment regularly to ensure long-term stable operation and high purification efficiency.
- Clean the equipment every day.
- Regularly inspect and replace filter elements, filter bags, and solenoid valves.

SKY-HI SERIES DUST COLLECTOR

PRODUCT FEATURES

- The SKY-HI cartridge dust collector features a simple structure and easy installation. It is widely used in various industrial application systems, offering easy operation, high performance, excellent filtration, low pressure drop, and compact design.
- Equipped with high-performance filter cartridges, ensuring large filtration area and high dust capture efficiency.
- Inlet air deflector and guide baffles prevent dust from entering directly, extending filter cartridge service life.
- Long service life, stable performance, easy operation, and convenient maintenance.
- Whole unit design, compact and user-friendly.

SKY-HI SERIES SPECIFICATIONS

Model	MC-600	MC-1000	MC-2000	MC-2700	MC-3500	MC-4000	MC-11000
Air Volume (m³/h)	600-800	800-1000	1000-1200	1200-1500	1500-1800	1800-2000	2000-2200
Filter Area (m²)	0.75	1.5	2.2	3	4	5.5	11
Power (kW)	380-420	380-420	380-420	380-420	380-420	380-420	380-420
Fan Pressure (Pa)	1210	1280	1470	1570	1650	2014	2187
Pulse Value (psi)	1	1	2	2	4	5	9
Filtration Efficiency	99%						
Noise Level	< 75 dB(A)						
Cleaning Method	Pulse Jet Cleaning / Automatic						

EQUIPMENT MAINTENANCE

- Users must maintain the equipment regularly to ensure long-term stable operation and high purification efficiency.
- Clean the equipment every day.
- Regularly inspect and replace filter elements, filter bags, and solenoid valves.

SKY-HY SERIES WELDING FUME PURIFIER

PRODUCT FEATURES

- The SKY-HY welding fume purifier adopts a side-draft structure and smooth air path design for high efficiency and low noise.
- With high filtration efficiency, it can capture over 99.5% of particles. The filter element is made of high-performance polyester fiber with PTFE coating, offering high precision and long service life.
- Equipped with a pleated filter cartridge with large filtration area and low pressure drop, ensuring stable performance.
- Inlet air deflector design prevents dust from entering directly and extends the service life of the filter element.
- Durable design with long service life, stable performance, and easy operation.
- Drawer-type dust collection tray for easy cleaning and maintenance, saving time and effort.

SKY-HY SERIES SPECIFICATIONS

Model	MC-600	MC-1000	MC-1800	MC-2200
Air Volume (m³/h)	600-800	800-1000	1000-1200	1200-1500
Fan Power (kW)	0.75	1.5	1.5	2.2
Voltage (V)	380-220	380-220	380-220	380-220
Fan Pressure (Pa)	1210	1280	1360	1470
Filter Quantity (pcs)	1	1	2	2
Filtration Efficiency	99%			
Cleaning Method	Manual Cleaning / Drawer Collection			

EQUIPMENT MAINTENANCE

- Regular maintenance is required to ensure stable long-term operation and high purification efficiency.
- Clean the equipment surface every day.
- Regularly inspect and replace filter elements, filter bags, and solenoid valves.

SKY-CDC SERIES CENTRIFUGAL DUST COLLECTOR

PRODUCT FEATURES

- The inlet is equipped with a guide vane to stabilize the airflow and improve dust separation efficiency.
- Compact structure, easy installation, and convenient operation.
- Low material consumption, small footprint, and cost-effective.
- Easy to install and maintain, with simple operation.
- Multi-stage separation design with high efficiency and minimal impact on airflow.
- Capable of handling high dust loads. Optional wear-resistant lining for enhanced durability.
- After polishing the inner wall, it can also be used to collect fine and adhesive dust.
- Easy to clean, with recovered dust having resale value.

SKY-CDC SERIES SPECIFICATIONS

Item	Dimensions (mm)			
	12	15	18	24
Treatment	1000	1200	1500	1700
	2000	2500	3000	3500
	4000	5000	6000	7000

EQUIPMENT MAINTENANCE

- Ensure normal operation of the dust collector and check the running status of each component regularly.
- Inspect the resistance of the dust collector regularly.
- Ensure the air source and compressed air pressure meet the requirements.
- Check the working condition of the solenoid valve and electrical components.
- Regularly inspect the interior of the dust collector for any foreign objects or damage.

SKY-SC SERIES FIRE SPARK CATCHER

PRODUCT FEATURES

- The fire spark catcher is used to capture sparks and hot particles generated during welding, grinding, metal cutting, and other operations.
- It effectively prevents sparks from entering the dust collector, significantly reducing the risk of fire or explosion.
- When a large amount of sparks enter the collector with the airflow, they will be deflected by the baffle and fall directly into the dust collection bin.
- The baffle is made of special fire-resistant material and can withstand a large number of continuous sparks without burning through.
- It is ideal for flammable and explosive working conditions and is widely used in woodworking, metal processing, chemical, and other industries.
- Easy to clean the dust bin. Once effective filtration is ensured, the filter element does not require frequent replacement, saving maintenance costs.
- The pipeline structure is designed to prevent sparks from escaping during the airflow process, ensuring overall safety and stable operation.

SKY-SC SERIES SPECIFICATIONS

No.	Model	Inlet Diameter (mm)	Outlet Diameter (mm)	Max Airflow (m³/h)	Overall Height (mm)
1	SC-300	φ200	φ200	600	650
2	SC-300	φ300	φ300	800	800
3	SC-400	φ400	φ400	900	900
4	SC-500	φ500	φ500	1100	1100
5	SC-600	φ600	φ600	1300	1300
6	SC-700	φ700	φ700	1500	1500
7	SC-800	φ800	φ800	1600	1600
8	SC-900	φ900	φ900	1750	1750
9	SC-1000	φ1000	φ1000	1950	1950
10	SC-1100	φ1100	φ1100	2250	2250

EQUIPMENT MAINTENANCE

- Regularly clean the fire spark catcher to ensure optimal performance.
- Installation method: horizontal installation, flange connection, and bolt fixation.
- Installation location: the fire spark catcher should be installed at least 2 meters away from the dust collector, either upstream or downstream.

SKY-CC SERIES CARTRIDGE DUST CLEANER

PRODUCT FEATURES

- Rotary air intake design ensures efficient airflow and easy maintenance.
- Compact structure, space-saving, and easy to install.
- Low noise, low energy consumption, and high cleaning efficiency.
- High-efficiency cartridge filter with large filtration area and long service life.
- PLC fully automatic control for convenient operation.
- Cost-effective, suitable for enterprises with limited budget.
- Effectively removes various fine dust and ensures high filtration efficiency.
- Easy to clean and maintain.

SKY-CC SERIES SPECIFICATIONS

Filter Cartridge Size (mm)	325	325	350	350	370	...
Air Volume (m³/h)	1000	1200	1600	2000	2500	...
Filtration Area (m²)	300	800	800	1000	1200	...

EQUIPMENT MAINTENANCE

- Users must maintain the equipment regularly to ensure long-term stable operation and high purification efficiency.
- Clean the equipment every day.
- Regularly inspect and replace filter elements, filter bags, and solenoid valves.

REAL EQUIPMENT • TRUE MANUFACTURING STRENGTH

From sheet metal processing to welding and equipment assembly, our factory delivers reliable in-house manufacturing capability.

A. CNC Bending Equipment
High-precision CNC bending ensures accurate angles and stable forming.

B. Laser Cutting Equipment
High-accuracy laser cutting for various sheet metal materials with efficiency.

C. Advanced Laser Processing
Large-format processing capability with stable performance and output.

D. Equipment Assembly
In-house machine assembly ensures quality, accuracy and consistent performance.

E. Welding & Fabrication
Skilled welding and fabrication deliver strong, reliable and durable structures.

WHY CUSTOMERS TRUST OUR EQUIPMENT CAPACITY

Advanced Equipment
Modern CNC and laser equipment for high precision and efficiency.

In-House Processing
From cutting to bending and welding, all key processes done in-house.

Skilled Fabrication
Experienced team with professional skills and strong workmanship.

Stable Production
Reliable equipment and systems ensure stable capacity and on-time delivery.

Quality Control
Strict inspection and control throughout each production step.

OEM/ODM Support
Flexible customization to support your product development and business growth.

WELCOME TO CONTACT US FOR PRODUCT DETAILS AND FACTORY COOPERATION.

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