



Gold Series III

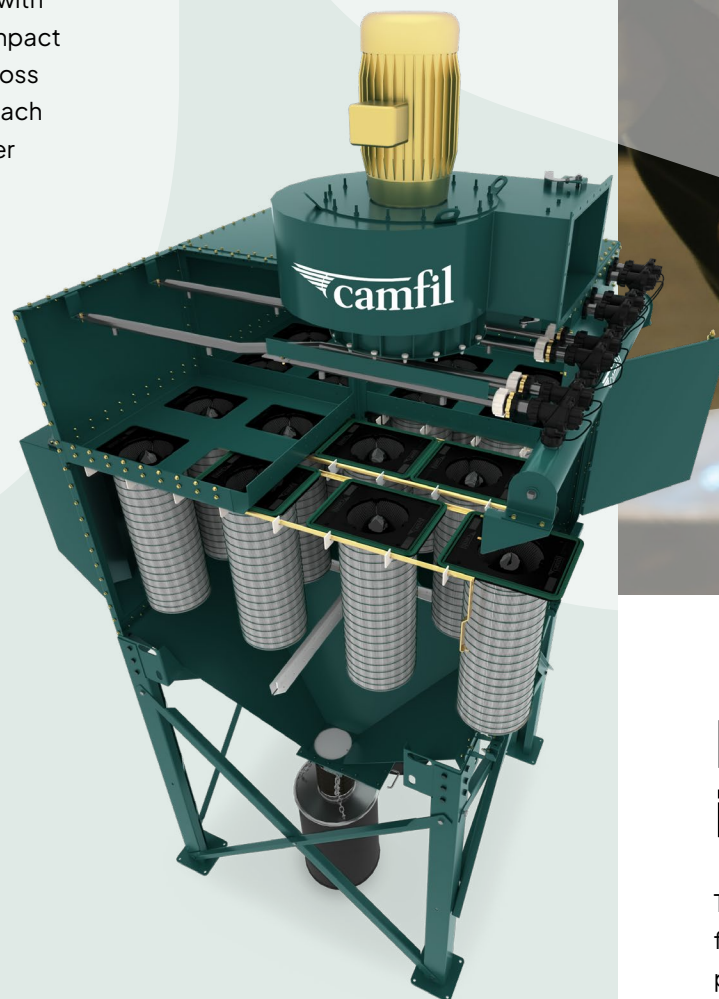
**The
Gold Standard . . .
*elevated***

Clear the air: Safe & effective dust removal for a cleaner, safer workplace

The Gold Series III dust collector sets the standard for unmatched dust and fume control. With 25+ years of field-proven performance, these systems solve issues with a wide range of hazardous, combustible, and heavy dust loads. Built for unwavering dependability, reliability, and protection, the Gold Series III collectors drive clean air and confidence—even under the toughest conditions.

The Gold Series III dust collector combines high dust-processing capacity with low pressure drop to deliver maximum airflow and efficiency all within a compact footprint. An advanced baffle configuration distributes particles evenly across the unit after separating the largest particles into the hopper before they reach the filters, extending filter life and minimizing maintenance. The result? Fewer change-outs, reduced downtime, and a lower total cost of ownership.

- Modular construction: easy to build and assemble in limitless sizes and configurations
- Tested to meet NFPA and ATEX standards
- Available with numerous fire safety and explosion protection options
- Exceeds OSHA mandates for factory air quality
- Inner cone of filter media improves cleaning by distributing pulse energy, removing maximum amounts of dust and extending filter life
- Units ship in as few pieces as possible for quick installation
- Easy open and large access doors reduce changeout times and simplify maintenance with no confined space permits
- 25+ years of proven performance in demanding industrial applications



Reliable dust & fume solutions for every industry, every application

The Gold Series III stands out in these demanding industrial settings. Built to tackle fine, fibrous, and heavy dusts as well as toxic fumes, the Gold Series III delivers exceptional air filtration for every application. Industries like pharmaceuticals, mining, food processing, chemicals, and metalworking put their trust in Gold Series to protect their teams and boost processing and products—no exceptions.

Gold Series III

Safe and compliant

We make it simple to get it all at once. Using system design tools, we can even layout your duct work, to ensure performance, safety, and efficiency. Then we deliver the complete solution, including the ducting itself, so everything works together as one system. One source. One design. One accountable solution.

In manufacturing, processing, and industrial plants, one of the leading causes of dangerous incidents is an unprotected dust collection system. The Gold Series III dust collector is engineered with safety in mind and can be customized to your specific application—helping reduce risks while delivering reliable, compliant performance.

The Gold Series III dust collector is performance tested to meet NFPA and ATEX standards, offering multiple explosion protection and fire safety options such as explosion vents, isolation valves, integrated safety monitoring filters, and fire-retardant or static-dissipative filter cartridges. The dust collector can also meet or exceed OSHA requirements for indoor air quality, with configurations available from MERV 16 primary filters up to HEPA-level secondary filtration.



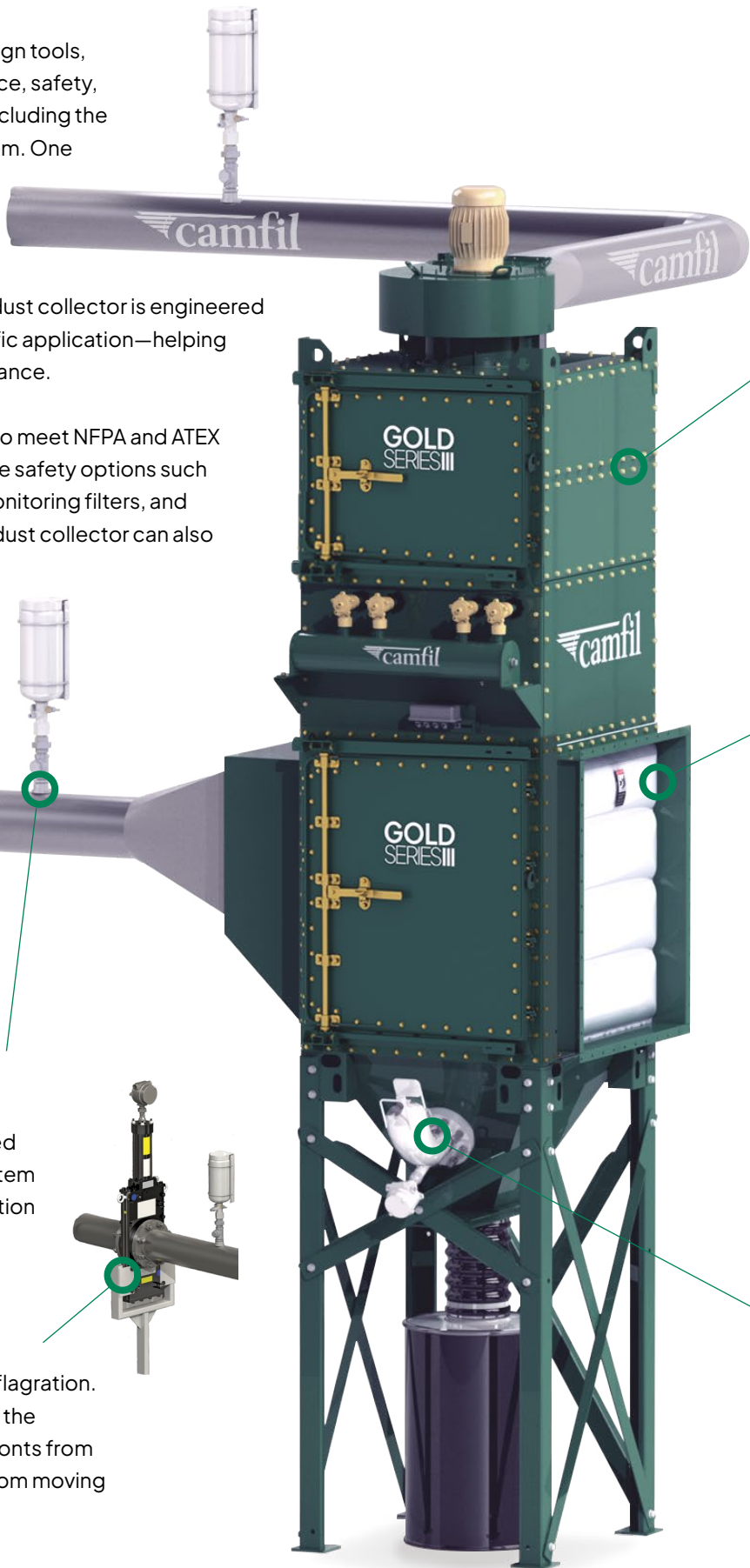
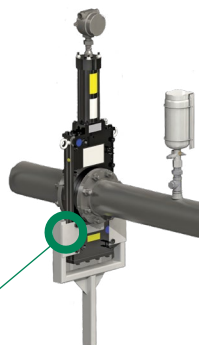
The purpose of the Stinger is to prevent a deflagration (explosion) that could occur in the dust collector from traveling back down the inlet pipe back into the workspace/process.

Chemical isolation

Designed to react within milliseconds of detecting a deflagration. A chemical isolation system can be installed in inlet and/or outlet ducting. The chemical isolation system creates a chemical barrier that suppresses the propagation of flame, from a deflagration, through the duct to other connected equipment or work areas.

Fast-acting valve

Designed to close within milliseconds of detecting a deflagration. The fast-acting valve creates a mechanical barrier within the ducting, which effectively isolates pressure and flame fronts from a deflagration in the dust collector and prevents them from moving through the ducting to other equipment or work areas.



Integrated safety monitoring filters (iSMF)

An integrated safety monitoring filter (iSMF) is a secondary filter system designed to provide further filtration efficiency and an additional layer of protection in combustible dust collectors. Its purpose is to capture any dust that might pass through the primary filters in the event of a failure, ensuring that hazardous dust or deflagration event doesn't propagate into the clean air stream.



Deflagration vent

Deflagration venting is a proven explosion protection method designed to safeguard dust collectors and facilities for handling combustible dust and their manufacturing processes. When a deflagration, or explosion propagating at subsonic speed, occurs inside the collector, pressure rises rapidly. The deflagration vent bursts to release this pressure at a calculated and tested strength to a designated location. Without protection, this pressure can cause severe damage to the equipment and the surrounding area.



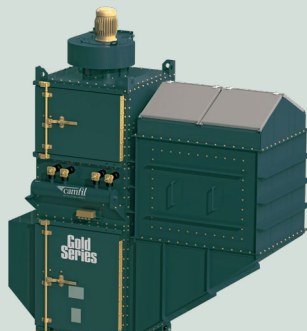
Chemical suppression

A chemical suppression system reacts within milliseconds of the detection of a pressure rise associated with a deflagration. The chemical suppression system reduces the maximum overpressure produced by a deflagration by extinguishing the deflagration with a chemical agent.



55-degree plenum

This plenum directs the explosion pressure and flame front upward on a 55-degree angle. The vent is attached at the top of the plenum and a weather cover is placed over the vent. The 55-degree plenum is just another option to help accommodate the varying needs of a customer's site or location.



Vertical plenum

A plenum that is bolted to the dirty air section of the collector. The explosion vent is mounted to the top of the plenum, then a duct section and finally a weather cover. This configuration redirects the pressure and flame front of an explosion vertically. It also makes venting through a roof and/or directing the pressure and flame front to a safe location outlined in the NFPA standards possible.



Flameless vent

A flameless vent is a critical safety device designed to protect facilities and workers from explosions caused by combustible dust. In the event of an ignition inside a dust collector, a standard explosion vent opens to relieve the pressure. However, this can release a jet of flame into the surrounding area. The flameless vent cools escaping hot gases and quenches any exiting flame through a stainless steel mesh.

The power of OptiCone filters

OmniPleat® and OptiCone™ technologies work together to keep filters cleaner, maintain lower operating pressure, and extend filter life. By maximizing usable filtration media and improving pulse-cleaning performance, these technologies help reduce maintenance requirements and support long-term dust collector performance

Patented Sealing & Alignment Technology

Camfil's patented gasket sealing and centering alignment technology helps ensure proper filter seating and a secure seal. Alignment channels optimize pulse-cleaning performance, while a proprietary gasket minimizes air bypass for dependable filtration efficiency.

Cone technology

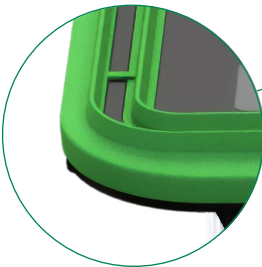
The open-bottomed inner cone design greatly expands the usable surface area of the cartridge. This configuration ensures that pulsed air is evenly distributed from top to bottom, delivering more efficient cleaning across the entire filter.

Superior dust ejection & pressure control

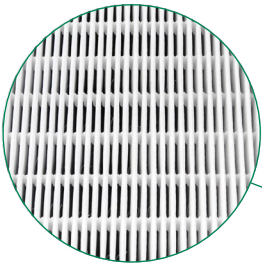
With each pulse, dust release is controlled and operating pressure remains low. Unlike horizontal cartridges, this design directs dust into the hopper instead of onto cartridges below, resulting in cleaner operation and longer-lasting performance.



The OptiCone's patented technology utilizes a unique pan alignment and gasket geometry for a perfect seal.

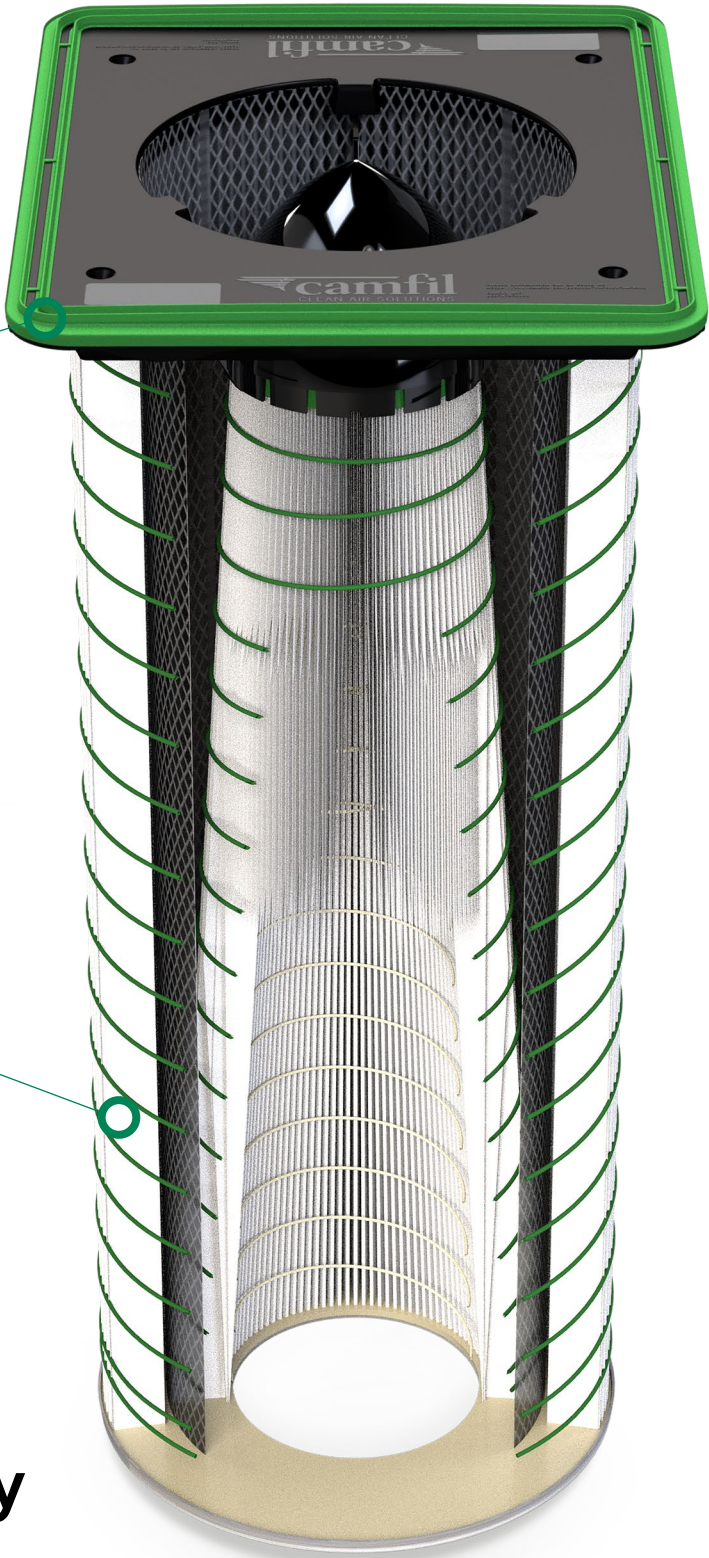


Combining the OmniPleat technology with the OptiCone structure increases the overall filter area, promoting easier dust removal and supporting cleaner operations for a longer-lasting system.



OmniPleat technology

Camfil's OmniPleat approach utilizes an advanced glue bead arrangement for pleating, presenting more media to the air passing through. This enables higher dust retention and effective removal during pulse cleaning, resulting in filters that outperform standard models and offer increased longevity.



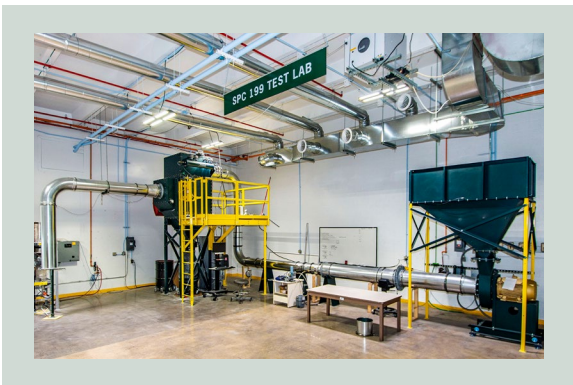
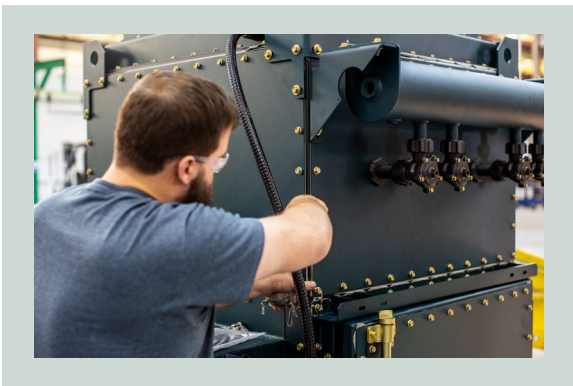
More than equipment. A complete dust collection partner.



From system design and dust testing to compliance guidance and long-term optimisation, Camfil helps customers reduce risk, improve performance, and maximize the return on their dust collection investment.

Camfil services include personalized site visits, prompt and thorough responses to inquiries, and detailed specifications to support both budget planning and the bid process. Tailored to your specific application, engineering expertise is provided for the configuration and sizing of collectors. In addition, Camfil's team offers advanced dust testing, as well as ASHRAE 199 and 52.2 filter performance testing, to validate system efficiency.

With decades of regulatory experience, Camfil guides customers in meeting OSHA, EPA, ATEX, and NFPA standards. Specialized NFPA compliance training is also offered, as well as hands-on maintenance training, to ensure your equipment operates safely and consistently.



Gold Series controls

Automatic filter cleaning and energy saving controls



Gold Series touchscreen controller

Simplifies system management with energy-efficient modes, an intuitive flat menu structure, and multilingual capabilities. With USB connectivity, software updates are seamless, while its advanced inputs trigger alarms from multiple external sensors and devices. Regardless of solenoid quantity, only two wires are required to connect the touch screen and pulse solenoids—making installation and operation simple.

GOLDLink+™ filter monitoring

Provides a powerful networking and sensing solution for one or more dust collectors across your operation. Real-time data is transmitted securely to the cloud, with instant alerts when the pressure drop falls outside the target range. Accessible from any phone, laptop, PC, or tablet, GOLDLink+ offers valuable insights to optimize filter life, minimize downtime, and reduce costs.



ITC control panel with Gold Series timer

The Gold Series timer is a streamlined, pulse-jet cleaning controller designed for ease of use and adaptability. Its pulse output modules are expandable to support different solenoid valves and dust collector sizes. An integrated differential pressure sensor allows for pulse-on-demand cleaning and high-pressure alarms. The Gold Series timer also includes analog and digital I/O options and diagnostic logic that detects solenoid or diaphragm failures.

Modular by design. Scalable by nature.

Flexible by design

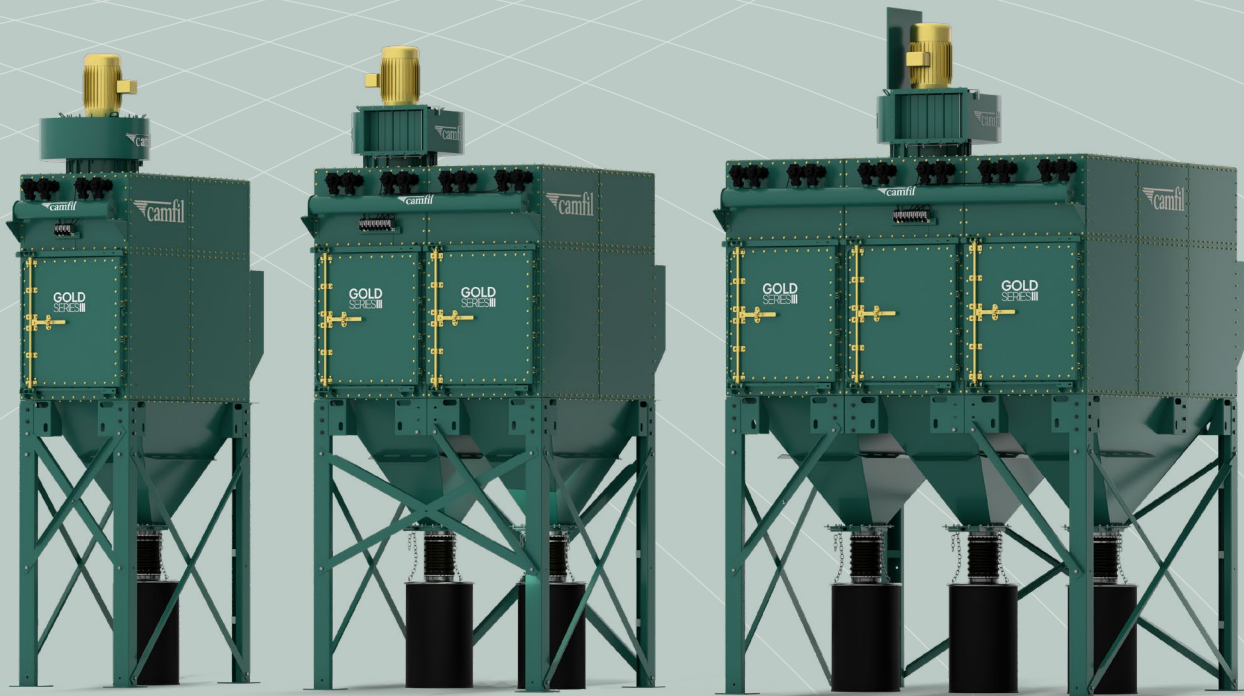
Camfil’s modular dust collection systems are engineered to adapt to the unique requirements of your facility. Each unit can be configured with different sizes, filter options, and airflow capacities, ensuring a perfect fit for your process without unnecessary cost or complexity.

Scalable solutions

Whether you need a single collector for a dedicated workstation or a large-scale system integrated across multiple production lines, Camfil modules can be scaled up or down as your operations evolve. This flexibility allows you to invest confidently, knowing your system can grow with your business.

Customized for performance

From hazardous dust environments and woodworking operations to pharmaceutical applications, Camfil offers tailored options that meet stringent safety and compliance standards. The modular approach ensures every system is optimized for efficiency, reliability, and long-term performance in your specific industry.



Assembled and shipped in as few pieces as possible, making it ready for quick on-site installation.

- Tony Supine, Camfil APC
Director of Operations



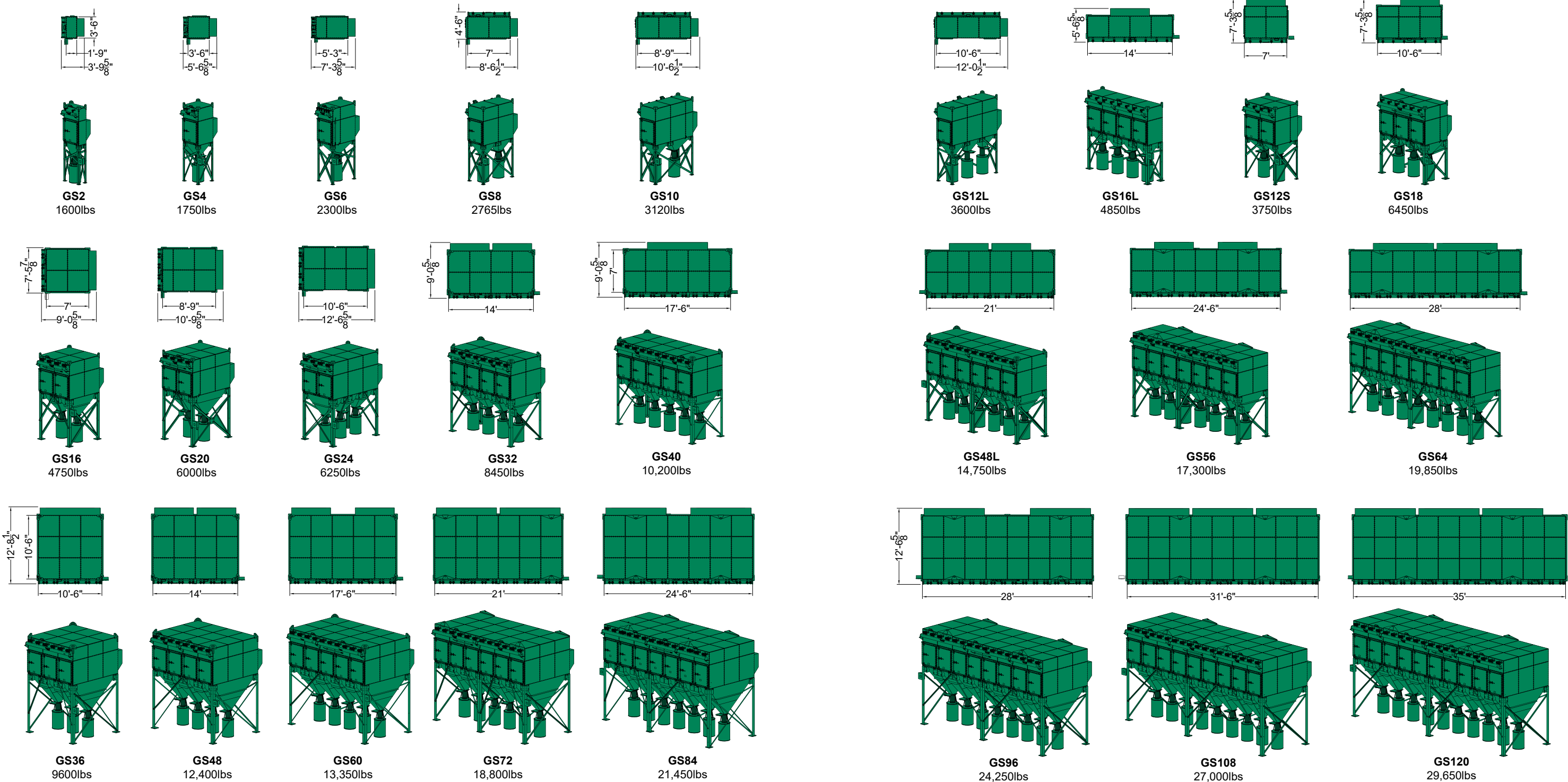
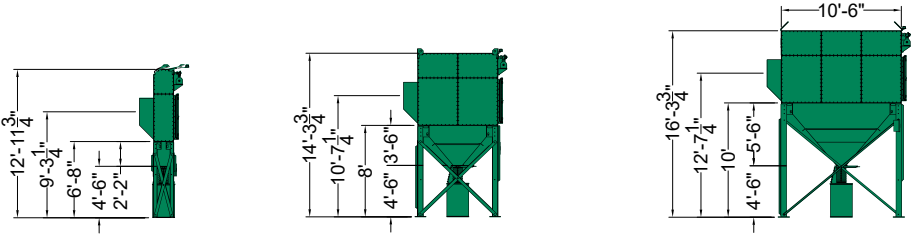
Modular design makes it simple and efficient to create the perfect configuration for your needs

Modular construction enables systems to be tailored for specific applications, while a unique crossflow baffle ensures even airflow distribution. OmniPleat technology maximizes filter media usage—inside and out—to handle both small and large dust loads, and the OptiCone configuration enhances filter cleanability. The result is cleaner operation, greater reliability, and longer filter life.

Gold Series configurations

Model code#
GS 24
of cartridges
Gold Series III

Typical
elevations



Gold Series options and accessories

Self-Dumping Hopper



Pyramid Hoppers



GS Drum Kit with Slide Gate



Filter Overbags For Fibrous Dust



Clean Sweep



Rotary Airlocks



Broken Bag Detector



Source Fume Collection



Top-Mount Fan



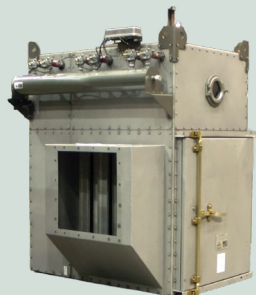
Ground-Mount Fans



Fan Silencer



Stainless Steel



Bag-In/Bag-Out (BIBO)



Butterfly Valve



Level Indicator



Continuous Liner Discharge



Pulse Header Silencer



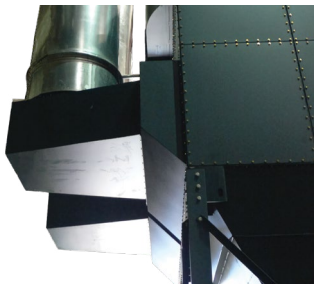
Remote Safety Monitoring



Gold Series High Vacuum



Abrasion-Resistant Inlet



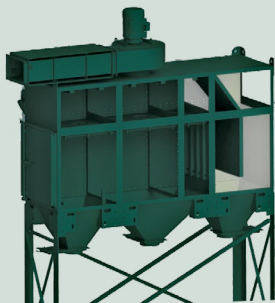
**GOLD
SERIES III**



Platform and Ladder



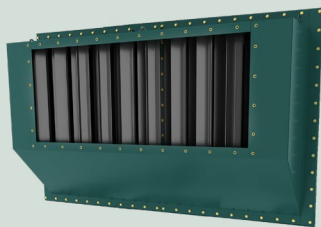
Drop-Out Module



Top Handrails



Channel Baffles





Camfil – a global leader in air filters and clean air solutions.

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimise energy use, and benefit human health and the environment.

To discover how Camfil can help you to protect people, processes and the environment, visit us at camfilapc.com

www.camfilapc.com

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