



Gold Series III

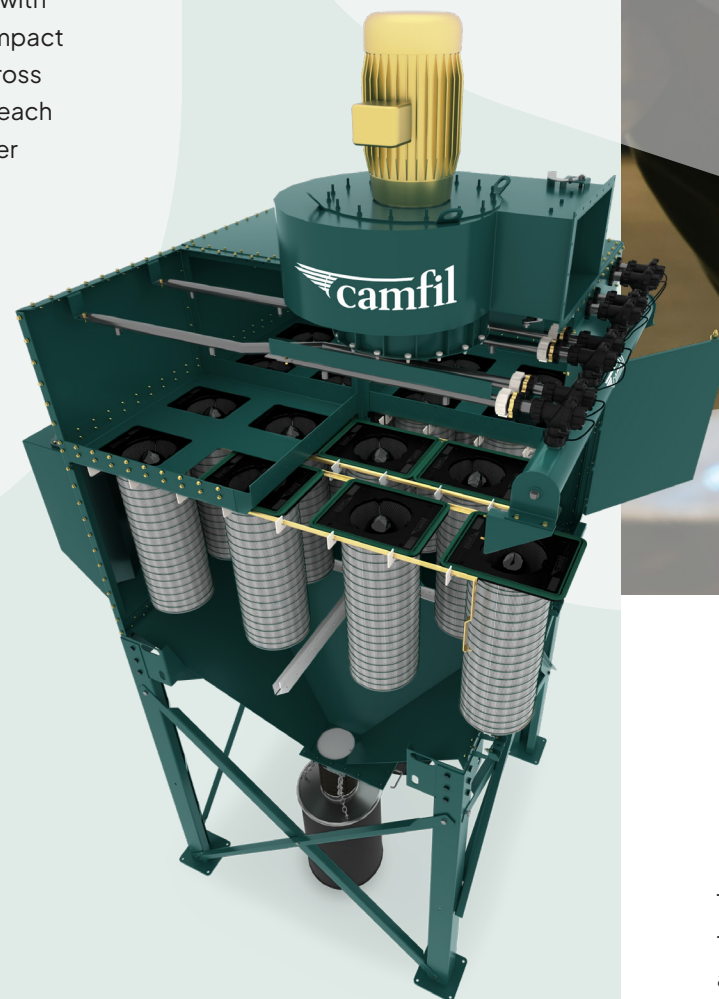
**The
Gold Standard . . .
*elevated***

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 ones towards 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
- 25+ years of reliable field dust collection performance



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 pharma, mining, food, chemical, 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

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.

Inlet/outlet/ isolation system

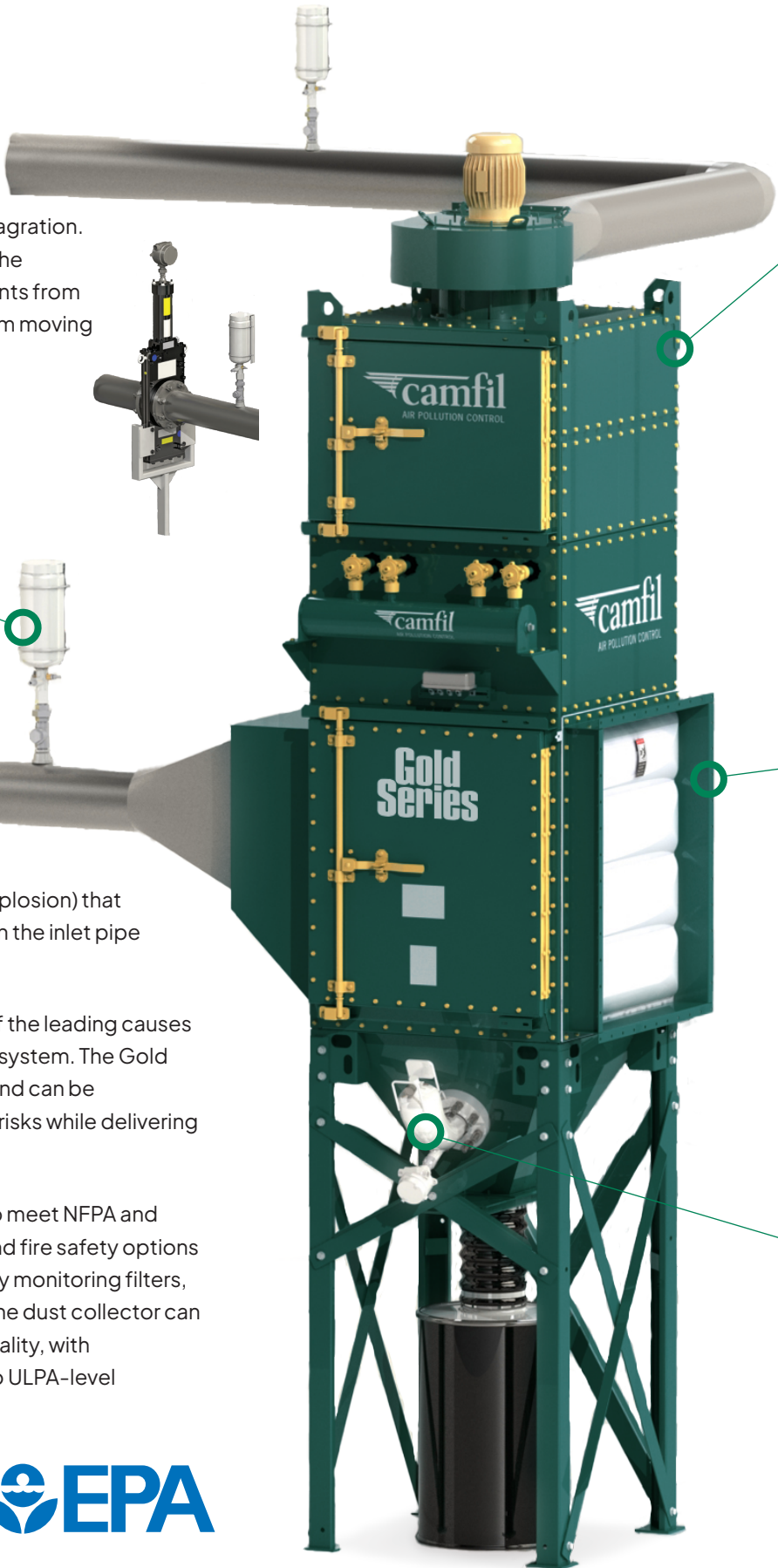
Designed to react within milliseconds of detecting a deflagration. A chemical isolation system can be installed in inlet and/or outlet ducting. The chemical isolation system creates a chemical barrier that suppresses the propagation of flame, from a deflagration, through the duct to other connected equipment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



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.

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 ULPA-level secondary filtration.



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 does not escape 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 an explosion propagates at subsonic speed occurs inside the collector, pressure rises rapidly. The deflagration vent bursts to release these pressures 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.



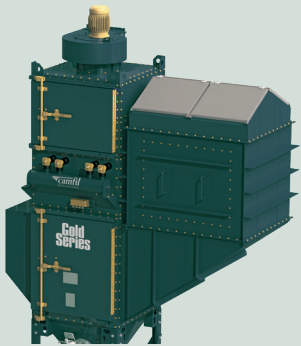
Chemical suppression

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 customers 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

OptiCone™ dust collector filter cartridge features proprietary OmniPleat® technology that stays cleaner and lasts longer than conventional pleated filters.

Proprietary OmniPleat technology

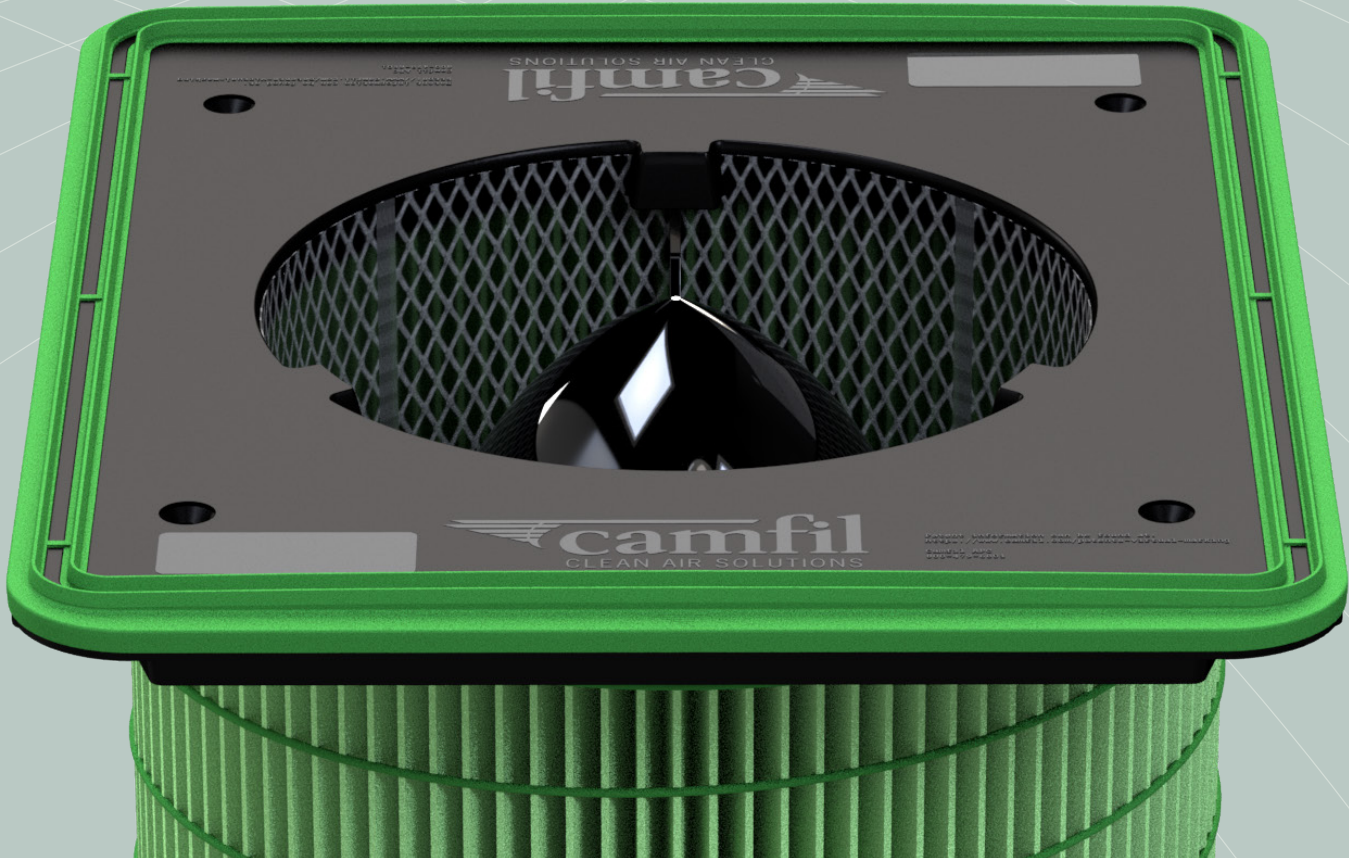
Camfil's proprietary OmniPleat media packs stay cleaner and last longer than conventional filters. Synthetic beads on both sides of the pleat pack keep the pleats evenly spaced, which exposes more media to the airstream, so more dust is captured and easily released during pulse cleaning.

Cone technology

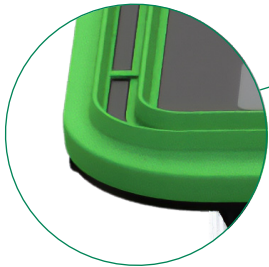
The open-bottomed inner cone design greatly expands the usable surface area of the cartridge. This configuration ensures that pulsed air is evenly distributed from top to bottom, delivering more efficient cleaning across the entire filter.

Superior dust ejection & pressure control

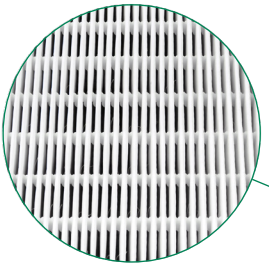
With each pulse, dust release is controlled and operating pressure remains low. Unlike horizontal cartridges, this design directs dust into the hopper instead of onto cartridges below, resulting in cleaner operation and longer-lasting performance.



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

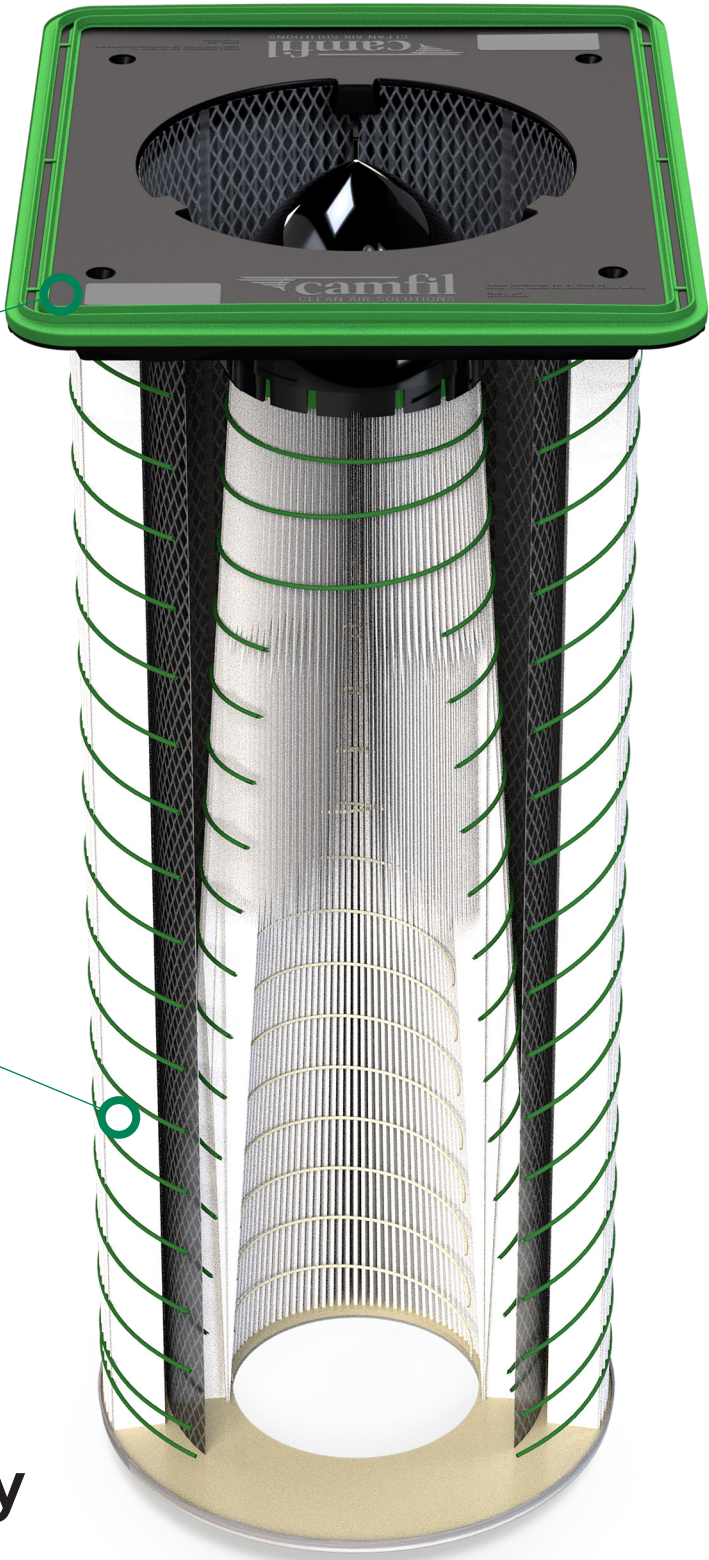


OmniPleat technology ensures optimal pleat spacing, while the OptiCone design expands filter surface area—enhancing dust release and helping your system stay cleaner and run longer.



OmniPleat technology

OmniPleat technology is Camfil's innovative method for pleating using a new style of glue bead separation. By exposing more media to the airstream allows greater amounts of dust to be captured on the filter and then effectively released during pulse cleaning. The result is longer-lasting filters that deliver superior performance compared to conventional designs.



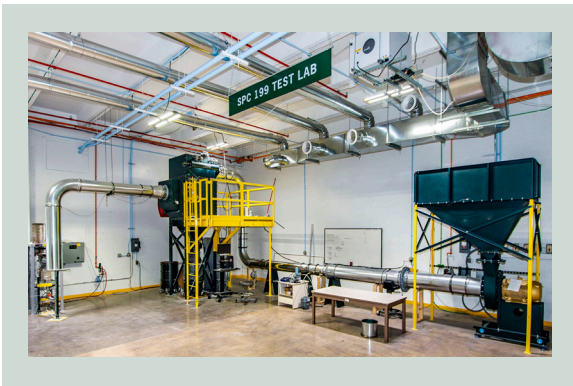
Camfil cares



At Camfil, our industry-leading support services are designed to deliver the most cost-effective dust collection solutions while ensuring full compliance with global industry standards. From the earliest stages of project planning through long-term system optimization, Camfil experts provide the guidance, testing, and training you need to achieve safe, efficient, and reliable performance.

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

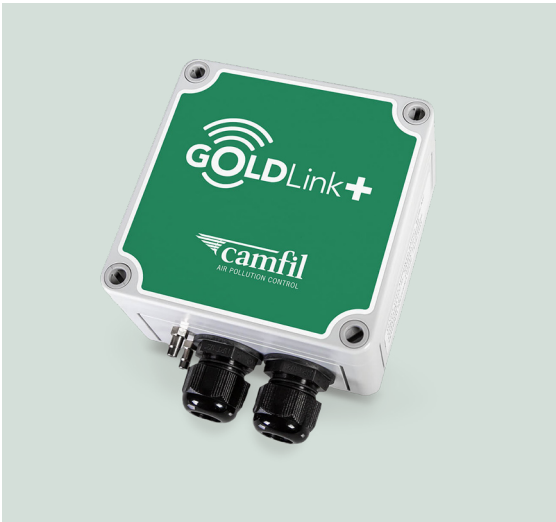


Gold Series touchscreen controller

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 multiple 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 construction to fit any application

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 to woodworking 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, so it is ready to erect and install quickly on site.

– Phil Ramsey, Camfil APC
National Sales Manager



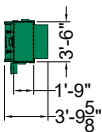
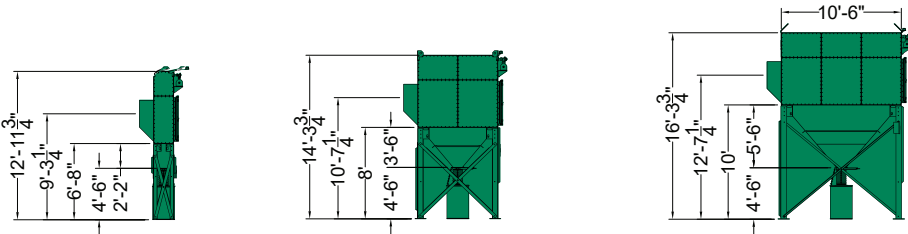
Modular design makes it simple and efficient to create the perfect configuration for your needs

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.

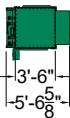
Gold Series configurations

Model code#
GS 24
of cartridges
Gold Series III

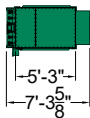
Typical
elevations



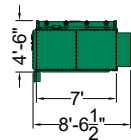
GS2
1600lbs



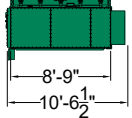
GS4
1750lbs



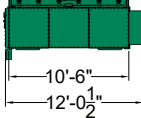
GS6
2300lbs



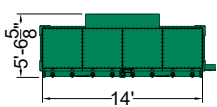
GS8
2765lbs



GS10
3120lbs



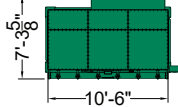
GS12L
3600lbs



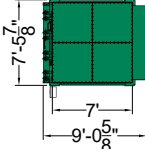
GS16L
4850lbs



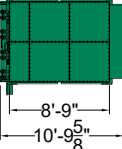
GS12S
3750lbs



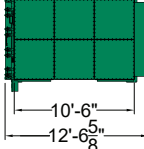
GS18
6450lbs



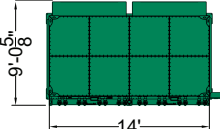
GS16
4750lbs



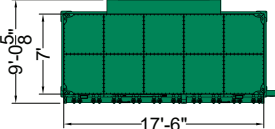
GS20
6000lbs



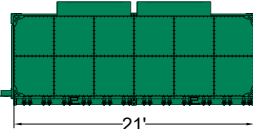
GS24
6250lbs



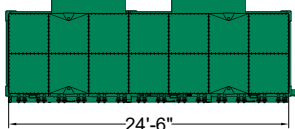
GS32
8450lbs



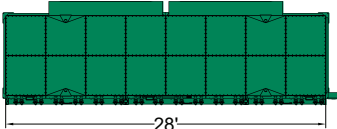
GS40
10,200lbs



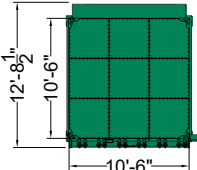
GS48L
14,750lbs



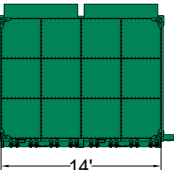
GS56
17,300lbs



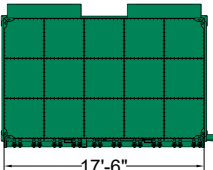
GS64
19,850lbs



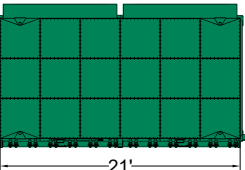
GS36
9600lbs



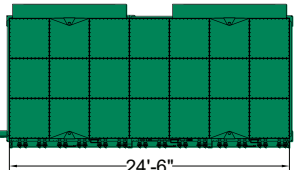
GS48
12,400lbs



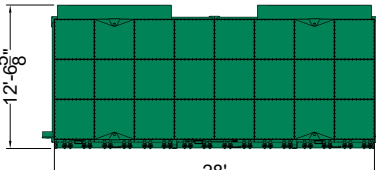
GS60
13,350lbs



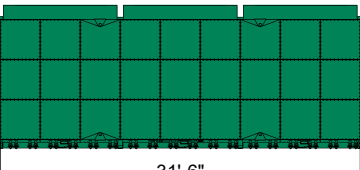
GS72
18,800lbs



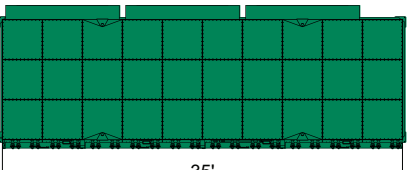
GS84
21,450lbs



GS96
24,250lbs



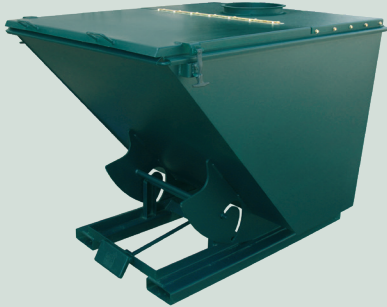
GS108
27,000lbs



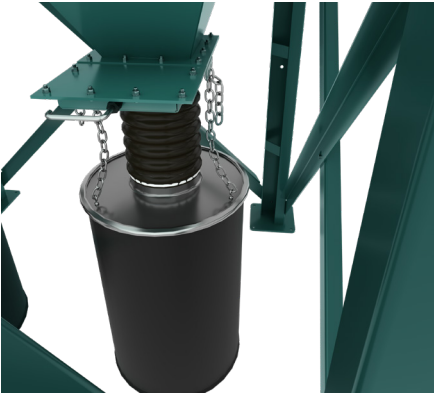
GS120
29,650lbs

Gold Series options and accessories

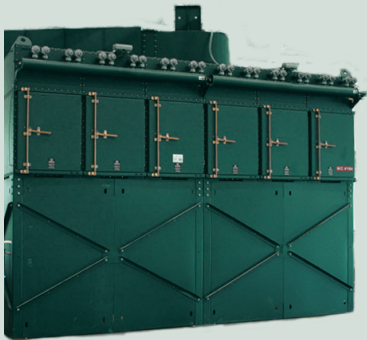
Self-Dumping Hopper



GS Drum Kit with Slide Gate



GS Skirt



Rotary Airlocks



Clean Sweep



Ambient Weld Smoke Collection



Source Fume Collection



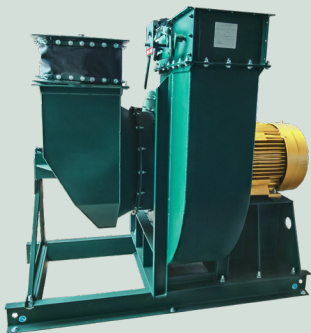
Source Capture Dust



Top-Mount Fan



Ground-Mount Fans



Fan Silencer



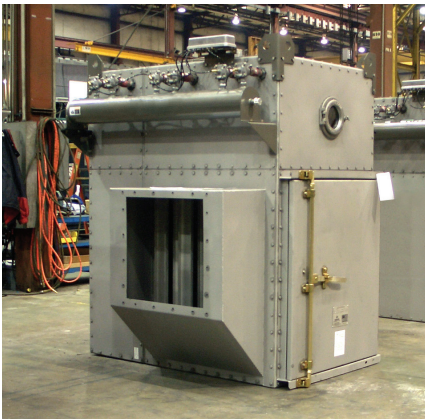
Pulse Header Silencer



Gold Series High Vacuum



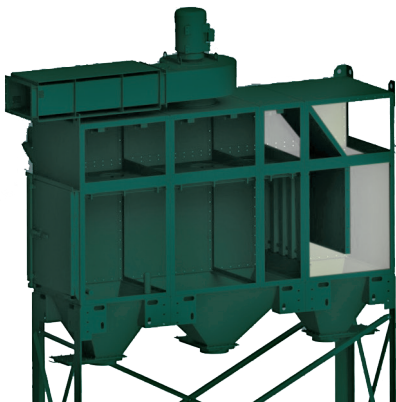
Stainless Steel



Platform and Ladder



Drop-Out Module



Channel Baffles



Abrasion-Resistant Inlet





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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