



# Gold Series Industrial Dust Collectors



# Safely Remove Nuisance, Toxic and Combustible Dusts From Your Factory or Shop

Gold Series dust collectors are the top-rated dust collection systems in the industry, incorporating proven technology that has delivered successful performance in the field for over 25 years. These collectors are designed to handle a wide range of toxic and combustible dust and fumes, including fine, fibrous and heavy dust loads.

Gold Series dust collectors offer high dust processing capacity with low pressure drop, delivering maximum airflow and power for a given footprint.

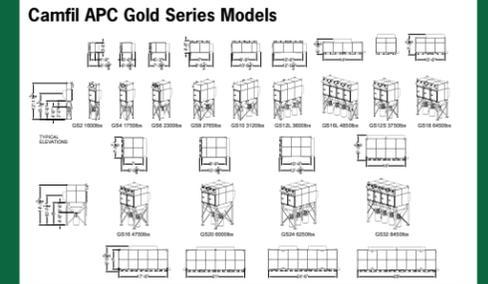
The baffle configuration works to drop out large particles before they reach the filters. This helps to extend the filter's lifespan, reduce the need for frequent change-outs and reduce the total cost of ownership.

- Modular construction – easy to build and assemble in limitless sizes and configurations
- Tested to meet NFPA and ATEX standards
- Available with numerous explosion protection options
- Exceed OSHA mandates for factory air quality
- Inner cone helps to distribute pulse energy along filter, so the filters last longer
- Ship in as few pieces as possible for fast delivery
- Easy installation, operation and maintenance
- 25 years of reliable field dust collection performance



## Long-Lasting Filter Cartridges

Each module holds four cartridges of HemiPleat® filter media, capable of handling airflows up to 4,000 cfm with low pressure drop. This modular design makes the Gold Series easy to adapt as your process grows. Filter cartridges are available in many options from MERV 10 - 16.



Customizable configurations



Four filters per module

## Solve Dust and Fume Problems Across Many Industries and Applications

Gold Series dust collectors are suitable for industrial applications that produce or process fine, fibrous, and heavy dusts and fumes. They are used in industries such as pharmaceutical, mining, food processing, chemical processing, and metalworking, including welding, thermal spray, plasma cutting, laser cutting, and abrasive blasting.



**SHOWN WITH OPTIONAL iSMF**  
(Integrated Safety Monitoring Filter)  
to isolate downstream equipment from  
the progression of a flame front in the  
event of a combustible dust explosion.

Heavy-duty 7- and 10-gauge  
steel construction.

Each module can  
process maximum  
dust loads and moves  
maximum air through  
the filters while  
maintaining a low  
pressure drop.

Inlet distributes  
airflow and channels  
more dust straight to  
the hopper instead of  
onto the filters.

Gold Cone vertical filter  
cartridges have more  
downward-facing media  
than any other filter  
on the market.

Fast filter  
replacement through  
easy-open, single  
point access doors  
on each module

Powder-coated inside and  
out for maximum durability.

Combustible dust explosions pose a significant risk at many manufacturing, processing and metalworking plants. One of the leading causes of such incidents is an unprotected dust collection system. Gold Series dust collectors help reduce these risks by being customized to your specific situation.

### Safe and Compliant

Gold Series dust collectors surpass OSHA requirements for indoor air quality and are tested to meet NFPA and ATEX standards as well as ASHRAE standard 52.2. They come with multiple explosion protection options such as explosion vents, isolation valves, integrated safety monitoring filters and fire-retardant filter cartridges.

Camfil APC offers dust testing services and a fully equipped test lab for bench dust testing and ASHRAE Standard 199 testing.



Flameless Vent



Stinger Valve



Deflagration Venting



Integrated Safety Monitoring Filter

## The Power of Gold Cone™ Filters

Gold Cone filter cartridges feature proprietary HemiPleat® filter technology to stay cleaner and last longer than conventional pleated filters.

Gold Cone filters are made for Gold Series dust collectors and offer an industry-leading effective air-to-cloth ratio, with 325 square feet of media in each filter. As a result, each module has the ability to handle up to 4000 cfm.

Using Gold Cone filters with Gold Series dust collectors creates a powerful and cost-effective dust collection system. This system effectively puts dust in its place by pulsing the filters efficiently, which minimizes change-outs, compressed air usage, pressure drop and energy costs.

## HemiPleat® Technology

HemiPleat technology is our unique method of creating highly efficient pleated filter media. It utilizes synthetic beads to hold the pleats open and evenly spaced, exposing more media to the airstream. This leads to greater dust loading and release during pulse cleaning, resulting in filters more efficient than standard ones.



Air flows up through the open bottom of the filter cartridge.

## Gold Cone™ Technology

Gold Cone cartridges include an inner pleat pack, which increases the surface area of cartridges for more efficient use.

Pulsed air is evenly distributed from top to bottom along the outer pack of the filter and down through the inner cone pack. This ejects maximum dust out of the collector with each pulse and maintains a low pressure drop.

## More Downward-Facing Media

Gold Cone filter cartridges are designed to deposit the maximum amount of dust directly into the collection bin.

23% of each HemiPleat filter cartridge focuses on discharging collected dust straight down to the hopper, which is a significant advantage over horizontal-style filters. The latter pulse 90% of the dust back onto adjacent filters and only 10% into the hopper.



Filter cartridge placed in Gold Series Dust Collector



Scanning Electron Microscope Analysis

## Camfil Cares

Our industry-leading support services aim to recommend the most cost-effective equipment that complies with industry standards. We provide:

- Site visits
- Prompt response to inquiries
- Specs to guide the budget and bid process
- Engineering, configuration and sizing of collectors to specific applications
- Dust testing
- ASHRAE 199 and 52.2 testing
- Expertise with OSHA, EPA, ATEX and NFPA regulations and standards
- NFPA compliance training
- Maintenance training



ASHRAE Standard 199 Dust Test Apparatus



Gold Series collectors are engineered and sized for your specific application

## Gold Series Controls and Accessories

Automatic Filter Cleaning and Energy Saving Controls

### Gold Series Touch Screen Controller

This touch screen controller has energy-efficient modes of operation and a flat menu structure that enables access to the most common parameters with the fewest clicks. The Gold Series controller easily accommodates eight languages and units, with a USB port to make software updates easy. The advanced section has multiple inputs that can trigger alarms for multiple external sensors and devices. Only two wires are required to connect the touch screen and the pulse solenoids, regardless of the solenoid quantity.



### GOLDLink+™ Filter Monitoring

This combined networking and sensing system monitors the operation of one dust collector or many dust collectors across your operation. It transmits real-time data to the cloud over a secure cellular modem and provides notifications when pressure drop falls outside the desired range. In addition to getting alerts, you can easily view the filters' status via Camfil's dashboard from a phone, laptop, PC or tablet. The GOLDLink+ gives you valuable data to optimize dust collection and reduce overall downtime costs.



ITC Controller with Smart Start



### Smart Solenoid Controller

Timer controls for pulsing the solenoids are embedded with the solenoids. This means you no longer have to wire a remote timer board to the solenoid tray. The on/off times are easily adjusted through dials integrated into the solenoid tray.

# Modular Construction to Fit Any Application

Modular design makes it fast and easy to get the precise configuration you need.

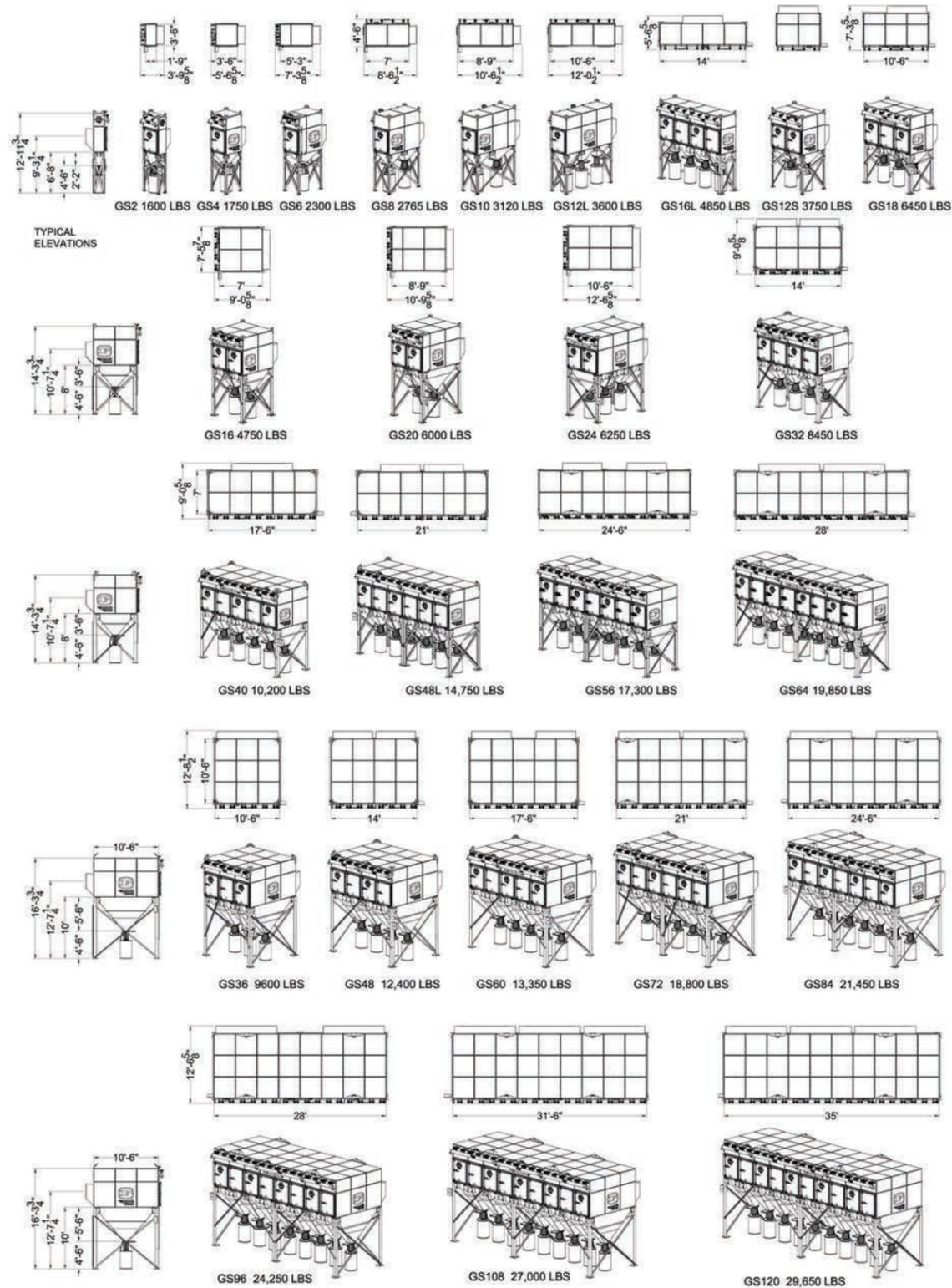


Gold Series collectors feature a modular design that allows for easy assembly in various sizes and configurations. This results in a system that is perfectly configured for your specific application and space.



Modular construction of Gold Series dust collectors

# Gold Series Models



Pharmaceutical Options

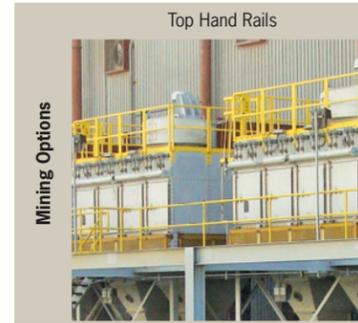


Butterfly Valve



Continuous Liner Discharge

# Gold Series Options



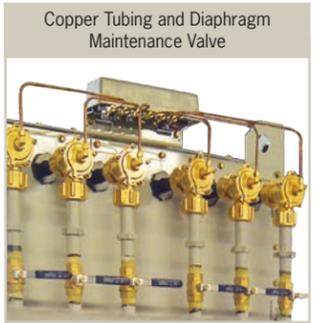
Mining Options



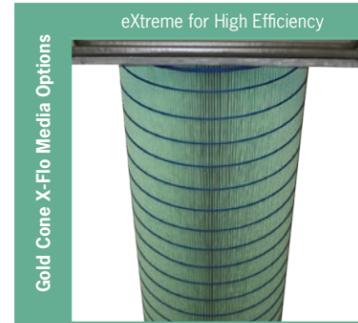
UHMW Mining Inlet Baffle



Slurry Tank for Conveying Dust



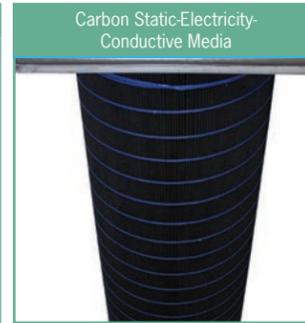
Copper Tubing and Diaphragm Maintenance Valve



Gold Cone X-Flo Media Options



Fire-Retardant Media



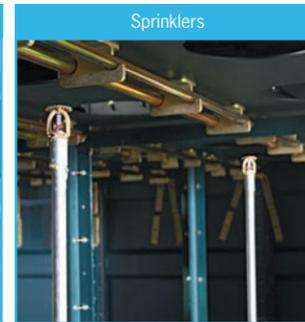
Carbon Static-Electricity-Conductive Media



Synthetic Washable Media



Prevention of Fire and Dust Explosions



Flameless Deflagration Vent



Stinger Backdraft Damper



Chemical Suppression System



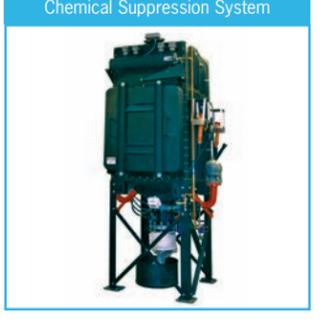
Vertical Deflagration Vent



Flameless Deflagration Vent



Stinger Backdraft Damper



Chemical Suppression System

# Gold Series

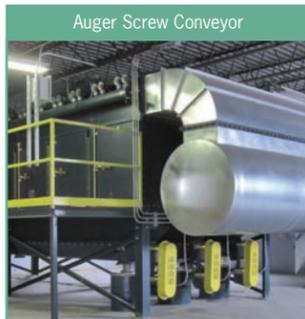
Hopper Discharge Options



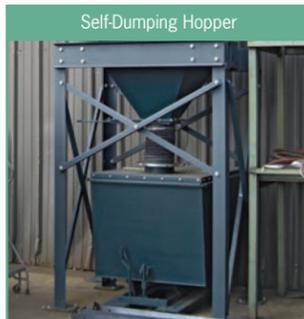
GS Drum Kit with Slide Gate



GS Skirt



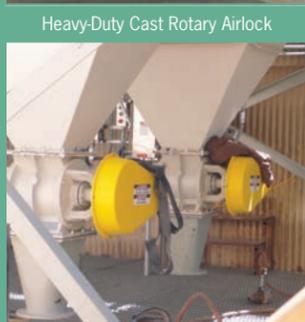
Auger Screw Conveyor



Self-Dumping Hopper



Clean Sweep



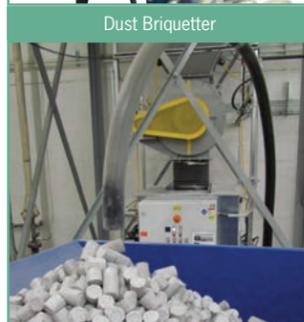
Heavy-Duty Cast Rotary Airlock



Fabricated Flex-Tip Airlock for Fibrous Dust

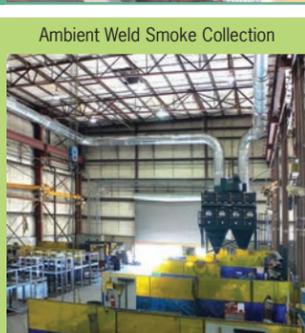


Cast Rotary Airlock



Dust Briquetter

Ducting Designs



Ambient Weld Smoke Collection



Source Fume Collection



Source Capture Dust



Source Capture Foundry

Fans



Top-Mount Fan



Side-Mount Fan



Ground-Mount Fans



Fan Silencer

Extended Options



Pulse Header Silencer



GSX High Vacuum



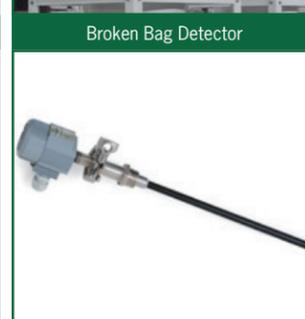
Fully Insulated Collector



Stainless Steel



Remote Safety Monitoring Filter



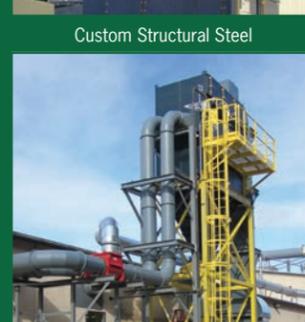
Broken Bag Detector



Collector Stiffening



Compressed Air Regulator



Custom Structural Steel



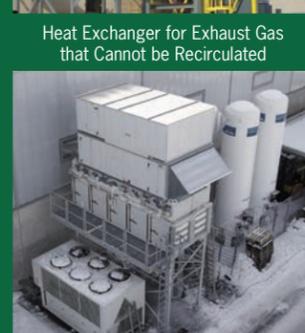
Quad Pulse Technology



Custom OEM Designs



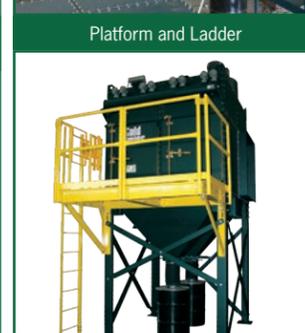
Inspection View Port



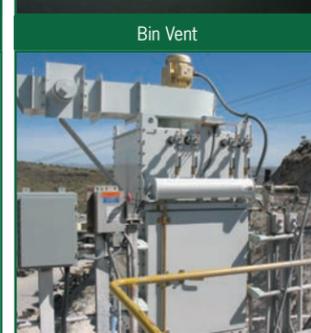
Heat Exchanger for Exhaust Gas that Cannot be Recirculated



Gold Cone Overbags for Fibrous Dust



Platform and Ladder



Bin Vent

Inlet Options



Drop-Out Module



Channel Baffles



Abrasion-Resistant Inlet



# World's Largest Dust, Fume and Mist Collector Manufacturing Facility

285,000-square-foot facility located in Jonesboro, Arkansas



## Other Camfil APC Manufacturing Facilities



Taicang, China



Tuttlingen, Germany



Chomutov, Czech Republic

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