



Clean Air Solutions



The Remembering Tree

Created by Kelly Stevens, artist and Gold Series® production welder, this metal sculpture stands 30 feet (9.2 meters) tall in front of the Jonesboro, AR, USA factory.

A Vision of Sustainability

This artistic sculpture represents Camfil Farr APC's dedication to the environment, our employees, customers, vendors, stakeholders, and to the future of cleaning up factories around the world.

Cleaning up
the workplace,
for today...
and tomorrow.



Saving energy and increasing production efficiency while controlling indoor air quality is a challenging aspect of plant management. Dust collectors—whether used for pollution control or product recovery—can impact all these areas. Camfil Farr APC can help solve your dust problems.



Getting Greener

Camfil Farr adheres to the values and principles of sustainable development and has established an organization to develop and maintain sustainable business practices. Here I would like to mention our new initiative for sustainability, “Camfilcaring”, which is basically a way of packaging all our industry-leading green initiatives into a comprehensive program that we are launching globally within Camfil Farr. We believe firmly in being a sustainable supplier. We also believe it will be a requirement for the future. We aim to be the best in sustainability. It will not require a major effort – green is in our genes.

Alan O’Connell

President and CEO
Camfil Farr



Mission Statement

- **We will** clean dust and fumes from factories, making them safer and more productive.
- **We will** ship collectors fast while still giving the customer what they want.
- **We will** be the most customer and rep friendly company in the air pollution control business.
- **We will** make the best dust collector in the business from an end user operation and maintenance viewpoint.

Green Your Factory

Our goal at Camfil Farr APC is to be green, starting with the environmental benefits of our products. We help our customers go green by stopping thousands of different pollutants from entering the workspace air and the outside air. We also build our equipment to last, so less waste is created over time. Our HemiPleat technology has revolutionized the air pollution control industry by delivering very high efficiency in a filter that lasts twice as long as competitive products. It contributes to sustainability while saving energy. Even the paint on our Gold Series collectors is green, and not just the color: We use an environmentally friendly powder painting process so no VOCs are emitted. Furthermore, premium efficiency motors are standard on the fans we supply. We are constantly launching green initiatives.

We look forward to working with you to “green” your factory.

Lee Morgan

President
Camfil Farr Air Pollution Control

Gold Series® Collectors Come With a 12 Year Warranty

Camfil Farr APC guarantees our dust collectors to meet applicable local, state and federal emission control standards. Whether exhausting outside (EPA compliance) or recirculating (OSHA compliance), Camfil Farr APC can solve your dust problems.



The HemiPleat® will improve the performance of any cartridge dust collector...**guaranteed.**

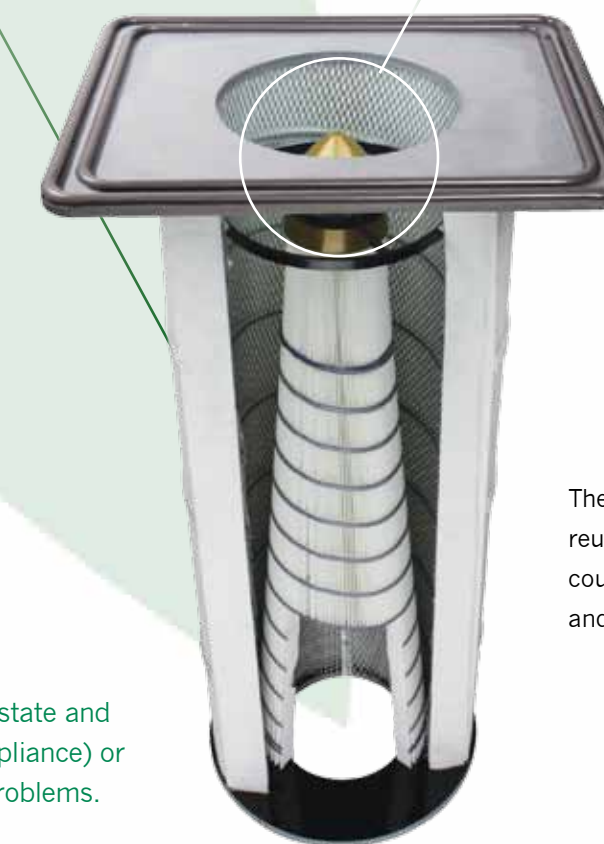
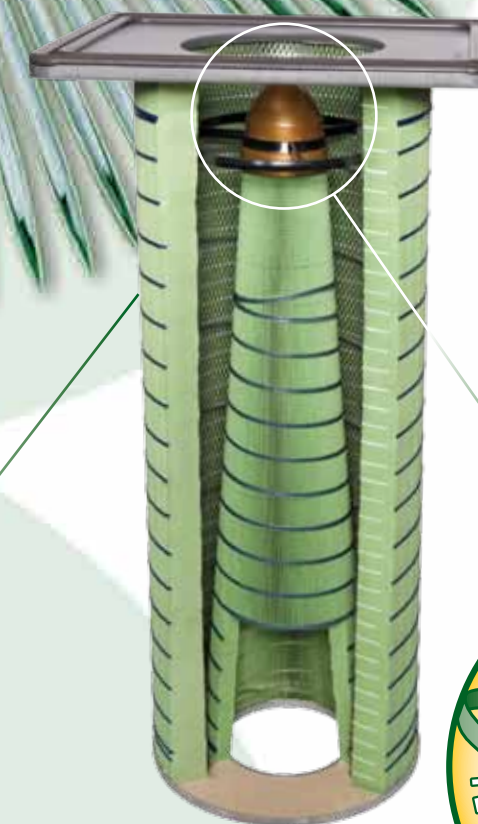
Power up your dust collector with HemiPleat! This statement comes from the fact that with lower pressure drop HemiPleat filters, you can pull more air with less energy, thus capturing pollutants better. Filtration efficiencies exceed 99.99% at 0.5 micron size particles.

The air coming out of a Gold Series dust collector with HemiPleat filters has been tested to exceed the air quality required in most hospital operating rooms!

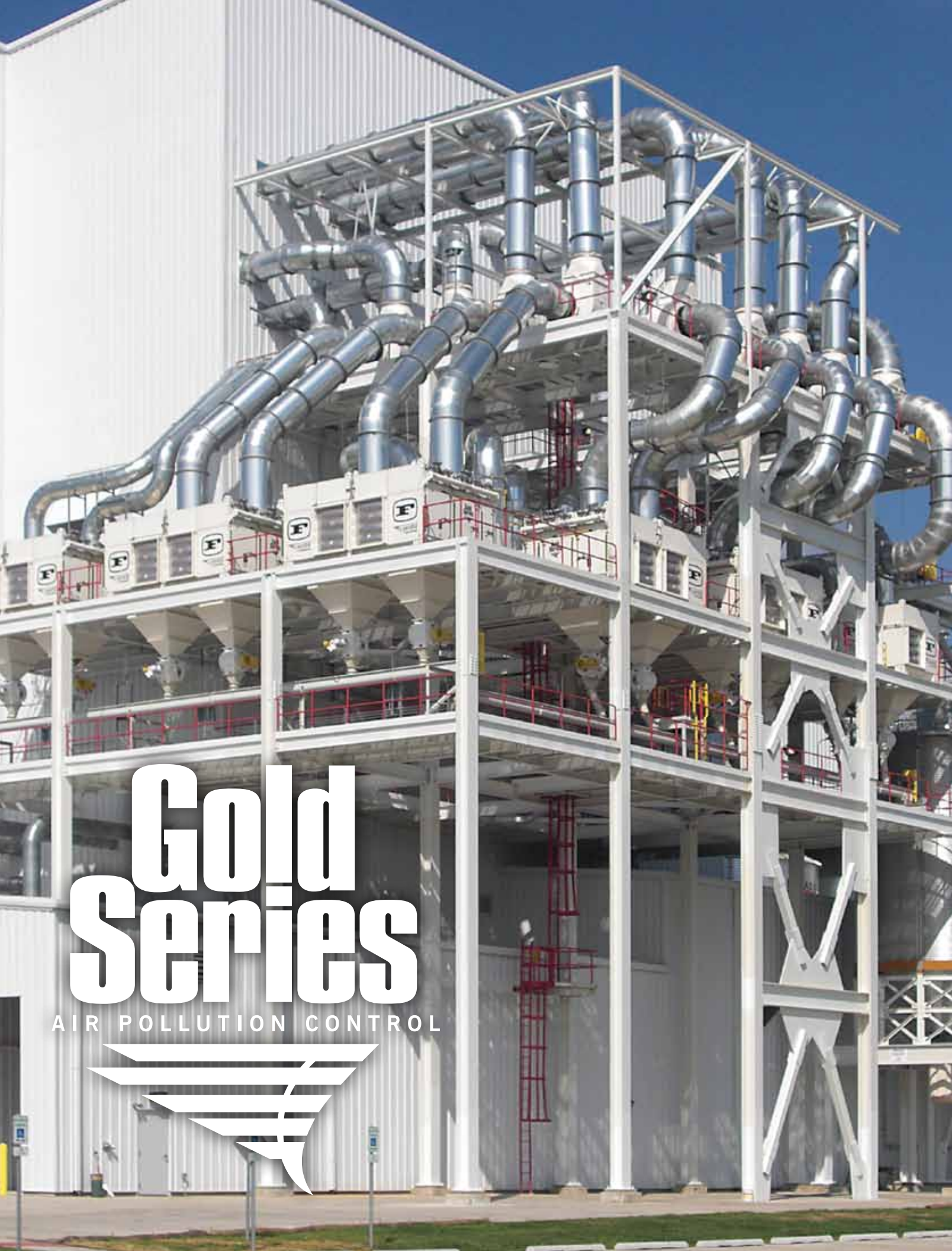


Gold Cone Filter

The patented Gold Cone filter has allowed many facilities to reduce the number of filters they have to use and change. The innovative cone of filter media expands the usable area of the filter allowing a reduction in the number of filters by at least a third. The design has also led to long filter life with low pressure drop.



The ultimate in a green filter! The DuraPleat is fully washable and reusable. We have customers that have 5-year-old DuraPleat filters and counting. This all synthetic filter handles the most rigorous applications and temperatures.



Gold Series

AIR POLLUTION CONTROL





The Gold Series® cleans it up

Everything makes dust...

Typical Applications:

- Abrasive Blasting
- Chemical Processing
- Fiberglass/Composites
- Foundry
- Grinding
- Mining
- Nuisance Dust Ventilation
- Paper Scrap Systems
- Pharmaceutical
- Plasma/Laser Cutting
- Powder/Bulk Materials
- Powder Painting/Pigments
- Seed Processing
- Shot Peening
- Thermal Spray
- Welding Smoke/Fume
- Wood Processing



Ship abrasive blasting



Scan to see more Gold Series® installations.



Pharmaceutical dust



Indoor flameless explosion venting



Paper dust with return air abort gate



Pharmaceutical dust



Pharmaceutical dust with bag-in bag-out (BIBO) door



Bronze foundry



Wood dust



Ore crusher at major copper mine



Thermal spray with integrated HEPA and vertical x-venting



Thermal Spray with spark trap module



Weld smoke ventilation



Gold Series with HEPA integrated Safety Monitoring Filter (iSMF)



Paper shredding/recycling



Grinding thermal spray coatings



Have a sparkling day!



GS48 on plasma cutting with skirting



Any color you want!



Tunnel mining skid package



OEM laser cutting fume



Ore storage bin vent



The Heart of the Gold Series®



The Most Advanced Dust Collector Filter Ever Made

- Poly-Tech™ media's filtration efficiency is 99.99% on 0.5 µm and larger particles.
- The Gold Series® meets the 5 mg/m³ or less emissions requirement to recirculate air back on non-hazardous dusts, in most cases.

The HemiPleat cartridge uses optimal pleat spacing with synthetic glue beads to hold the pleats open. HemiPleat breathes more air with less energy and increases the cleaning effectiveness of the reverse pulse, thus resulting in a lower pressure drop.

- HemiPleat Green - proprietary blend of cellulose and polyester fibers with a moisture resistant silicone treatment
- HemiPleat Flame Retardant - proprietary blend of cellulose and polyester fibers with a flame retardant treatment
- HemiPleat Carbon Impregnated - proprietary blend of cellulose and polyester fibers impregnated with carbon for static dissipation
- HemiPleat Synthetic - 100% synthetic filter media for washability and moisture resistance over cellulose.



This patent pending double seal gasket around the perimeter eliminates any dust from accumulating on top of the pan.

Scan to learn more about HemiPleat.



Gold Cone Double Seal Urethane Gasket

Gold Cone® Cartridge

- Vertically mounted to shed dust readily for efficient cleaning and longer service life.
- Features a cone in the center of the cartridge, expanding the usable media in the filter by 25%.
- Test results indicate that this new pulse distribution method provides enhanced cleaning.
- More efficient operation, longer cartridge life and reduced service requirements.



New Technology

The HemiPleat's high quality uniform pleat pack establishes the superiority of this cartridge over all other products in the market. The difference in pleating quality can be seen here in a comparison against the media pack with typical industry pleats. Notice the difference in pleat spacing and alignment.

Old Technology

The HemiPleat eXtreme filter is the ultimate in dust collection filtration, bringing home the highest degree of efficiency and filter life on the market. The HemiPleat eXtreme uses our proven HemiPleat technology and base media with proprietary nano fibers applied to the media surface for extreme results. These nanofibers can be applied to any of our base medias above.



< open & shut > case



Gold Series

AIR POLLUTION CONTROL



Looks Like a Safe Because It's

**BUILT LIKE
A SAFE™**

www.camfilfarrapc.com



800-479-6801

Gold Series

AIR POLLUTION CONTROL



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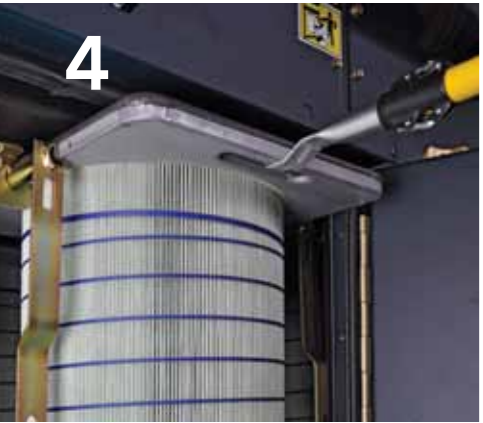


800-479-6801

Easy Filter Change-out



Scan to watch filter change-out video



Gold Series offers modular design for optimum flexibility—delivered fast!

“ We are very happy with the Camfil Farr APC Dust Collector. The dust collection solution was purchased for our CNC plasma cutter to replace a horizontal cartridge dust collector due to short filter life. The current filters have been in for over a year and still look great and are operating on less than 3” pressure drop. Also, the Camfil Farr APC people have been a pleasure to do business with.” — Dan Schuler, Schuler Manufacturing



High Entry Inlet
Cross flow is created through the filters. Eliminates upward “can” velocities associated with traditional hopper inlets.

Gold Series® Features

- Modular design for optimum flexibility—have it your way fast!
- Each module accommodates airflows up to 5,000 cfm
- Module constructed of 7 gauge carbon steel
- Door, hopper, inlet and panels are all 10 gauge steel
- Powder painted for unsurpassed corrosion resistance
- Component configurations are virtually unlimited
- Vertical design of cartridges enables efficient pulse cleaning of dust

SCRATCH-N-SNIFF

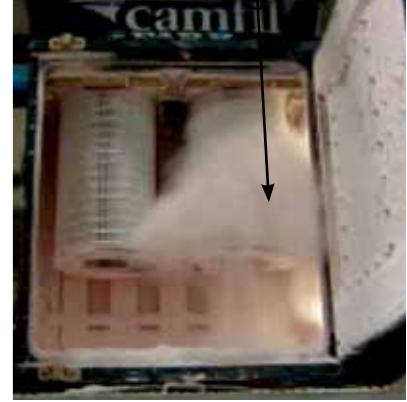
Optional Quick Open View Port



Scan to take a virtual ride and fly through a Gold Series industrial dust collector.



Powerful Cleaning System to Provide Long Filter Life



Pulse Discharge of Gold Cone Filter

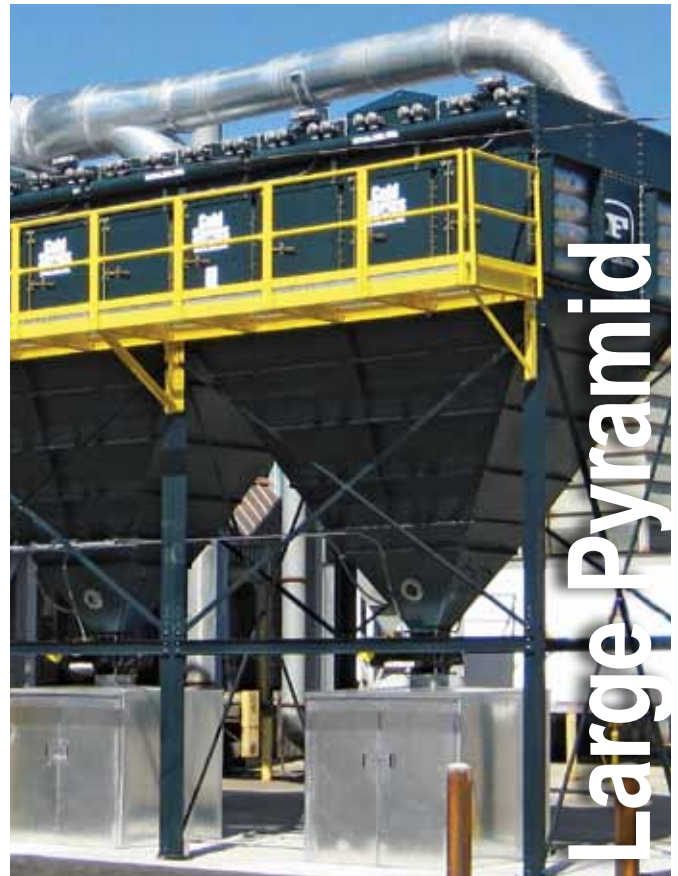
Scan to watch filter pulse video.



Individually Powder Coated
Gold Series components are individually powder coated prior to assembly for superior corrosion resistance.

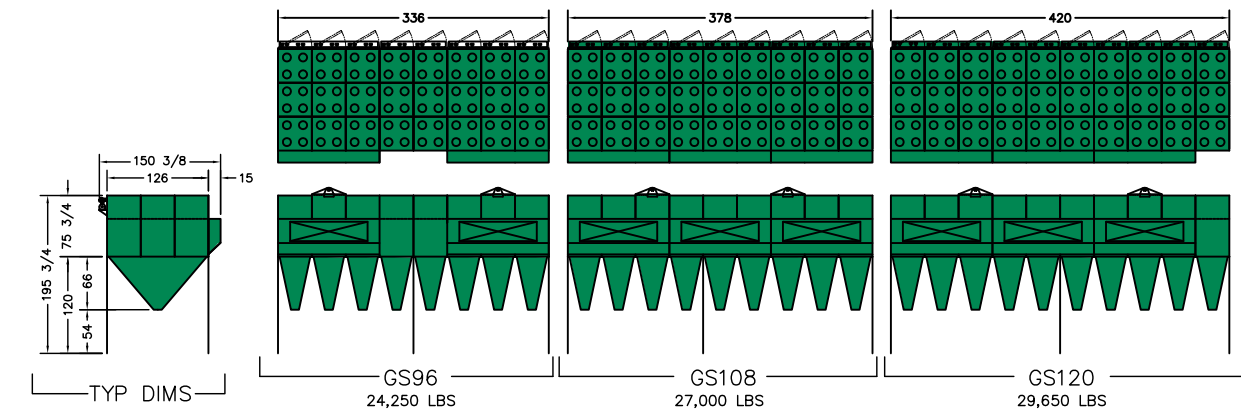
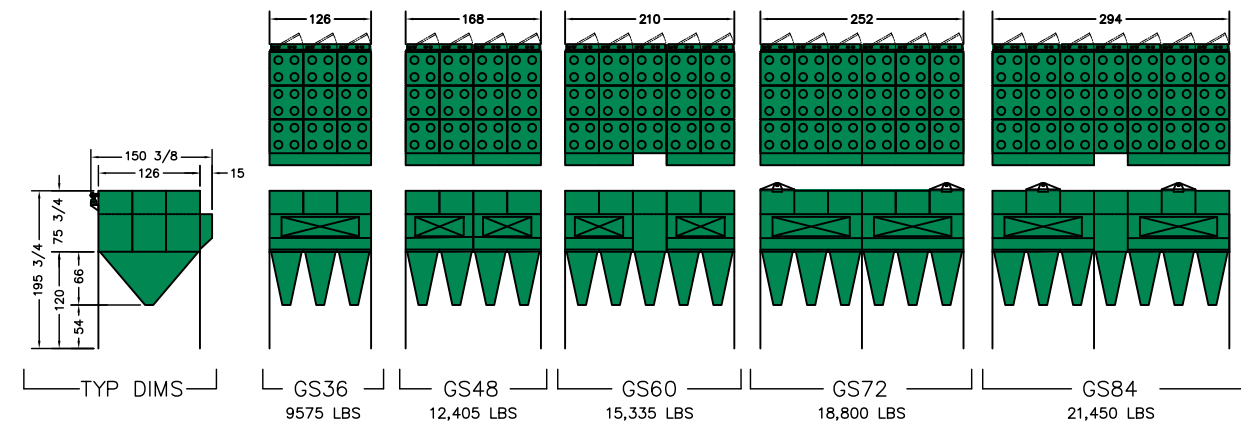
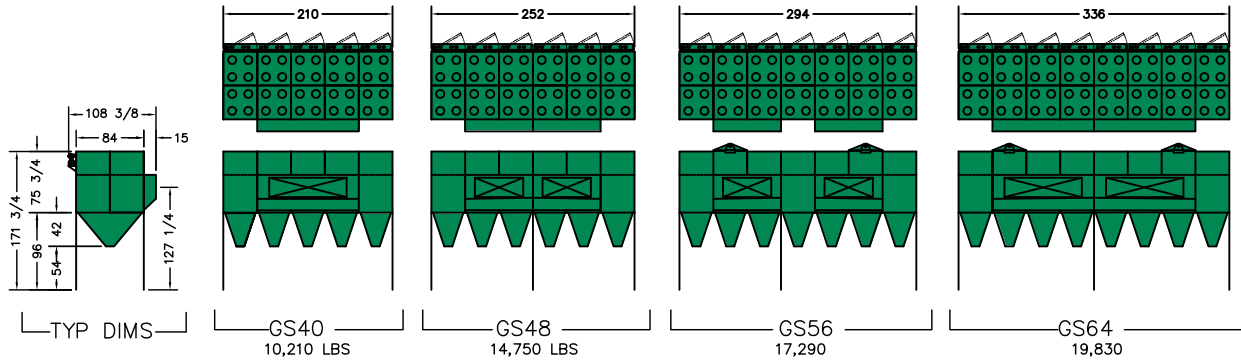
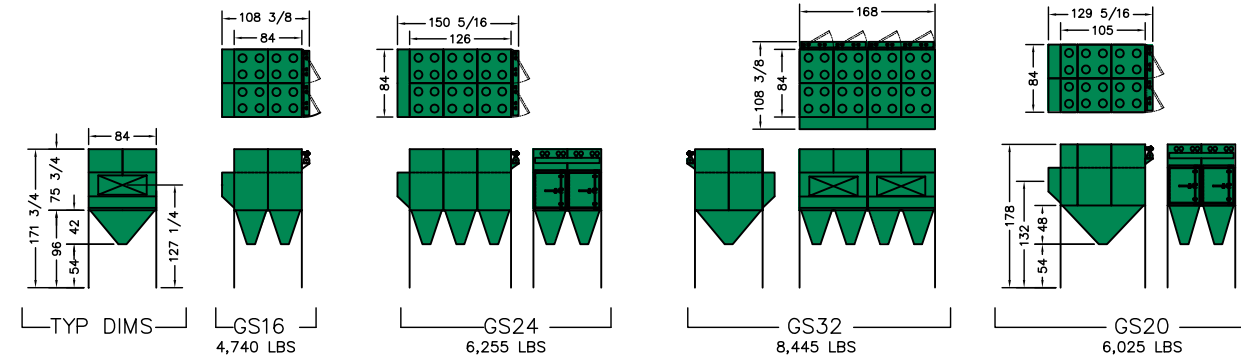
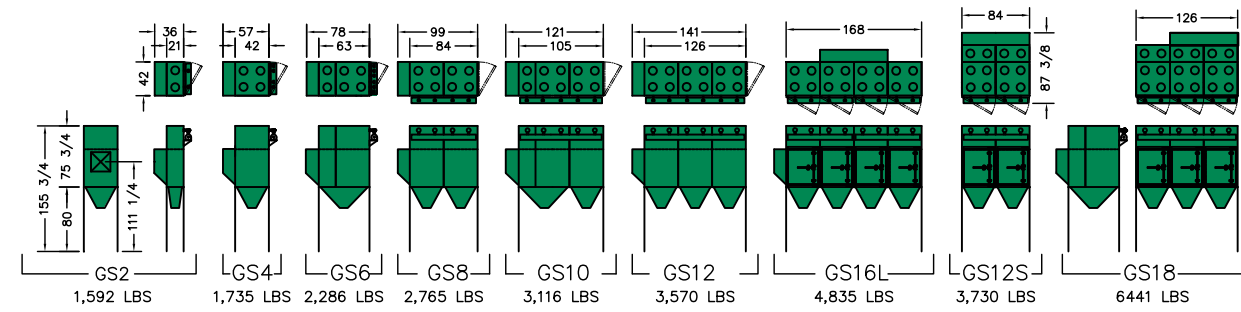
Looks Like a Safe Because It's Built Like a Safe

Gold Series® Hopper Options



Other hopper options available include drawer kit, trough hopper with screw conveyor, and continuous liner discharge.

Gold Series® Models



Model # Code
 GS 24 — # of cartridges
 — Gold Series

Standard hopper arrangements shown. See opposite page for other hopper options.

Inlet Protection

Inlet/Outlet Chemical Isolation

Designed to react within milliseconds of detecting an explosion, a chemical isolation system can be installed in either inlet and/or outlet ducting. The chemical isolation system creates a chemical barrier that suppresses the explosion within the ducting, reduces the propagation of flame through the ducting and minimizes pressure increases within connected process equipment.

Fast-Acting Valve

Designed to close within milliseconds of detecting an explosion, the fast-acting valve installs in either inlet and/or outlet ducting. The fast-acting valve creates a mechanical barrier within the ducting, which effectively isolates pressure and flame fronts (from either direction) from being able to propagate further through the process.

Back Draft Damper

The mechanical back draft damper was designed to be installed in the inlet ducting. The damper utilizes a mechanical barrier that is held open by the process air and is slammed shut by the pressure forces of the explosion. When closed, the mechanical barrier isolates pressure and flame fronts from being able to propagate further up the process stream.



Chemical Suppression

Designed to react within milliseconds of detecting an explosion, a chemical suppression system is installed in the collectors dirty air section, being it in the filter housing or the hopper. The chemical suppression system prevents expanding a deflagration by releasing a chemical agent.

Explosion Venting Sequence



Outlet Protection

Ventex Valve

The Ventex valve was designed to be installed in the outlet ducting of a dust collection system. This valve utilizes a mechanical barrier to isolate pressure and flame fronts caused by the explosion from propagating further through the ducting. The mechanical barrier reacts within milliseconds and is closed by the pressure of the explosion.



High Speed Abort Gates

High speed abort gates are designed to be installed in the outlet ducting of the dust collection system. The devices are designed to divert process air and/or smoke to a safe location outside when a possible ignition source is detected entering the dust collection system or when a fire is detected. Its primary purpose is to protect the inside of the building from burning debris, embers or smoke.

Integrated Safety Monitoring Filter

The iSMF has been proven to isolate the downstream equipment from the progression of a flame front during an explosion. The Gold Series dust collector with an integrated Safety Monitoring Filter allows you to recirculate exhaust air back into the work space when your dust is explosive. The key advantage of this device is that it prevents the transmission of explosive dust (fuel) from the collector.



Explosion Venting

Explosion Vent

Designed to be the "weak" link of the vessel, explosion vents open when predetermined pressures are reached inside the dust collector allowing the overpressure and flame fronts to exit to a safe area. Explosion vents minimize damage to the dust collector caused by overpressure created by a deflagration. Camfil Farr's standard explosion vents are ATEX certified and NFPA compliant.

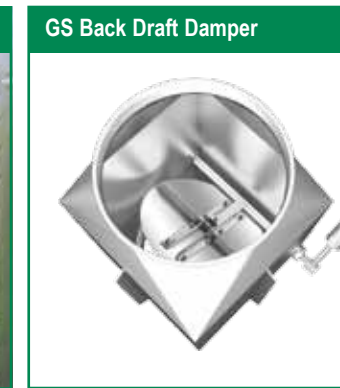
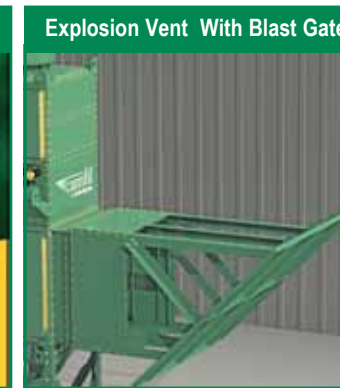
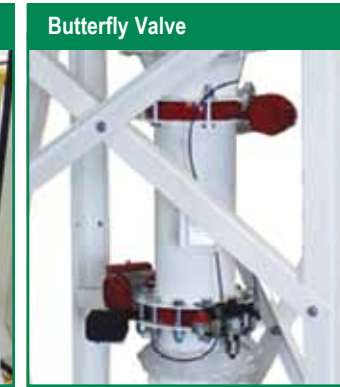
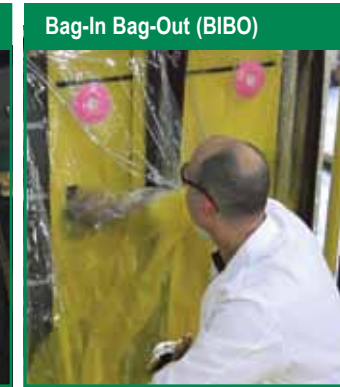
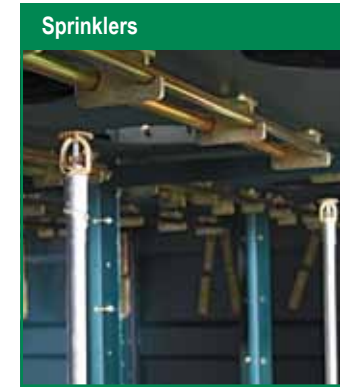
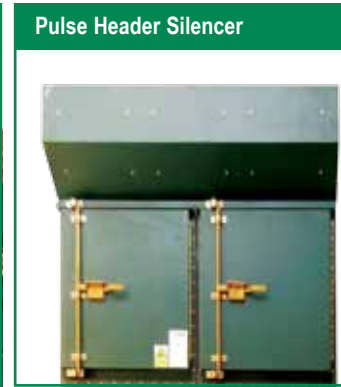
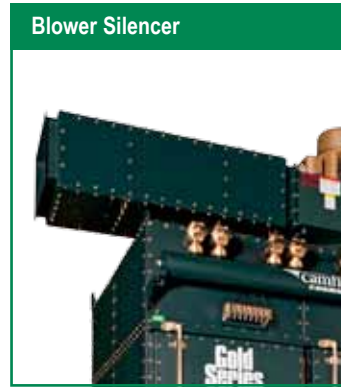
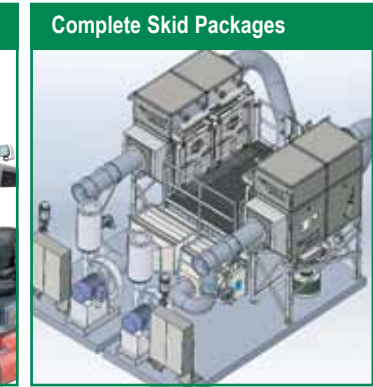
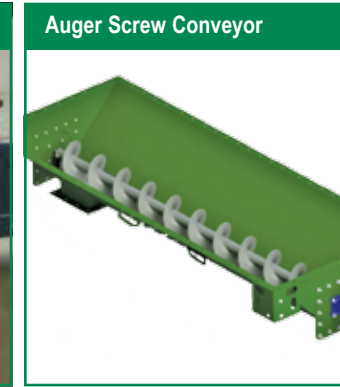
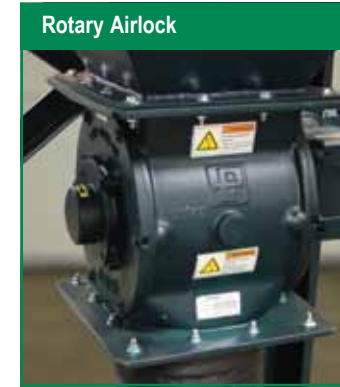
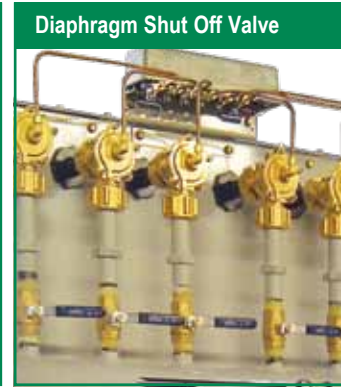
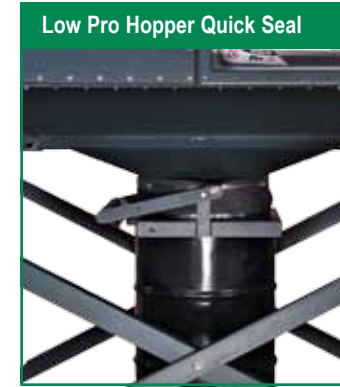
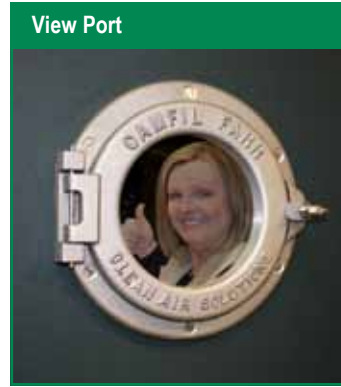


Flameless Vent

Designed to install over a standard explosion vent, the "FlamQuench SQ" extinguishes the flame front exiting the vented area not allowing it to exit the device. This allows conventional venting to be accomplished indoors where it could otherwise endanger personnel and/or ignite secondary explosions.



Gold Series[®] Options



What will you think of next?
If you can think of it, we can do it!

camfil
FARR
AIR POLLUTION CONTROL

Gold Series® Controls

Automatic Filter Cleaning and Energy Saving Motor Controls

GSC Controller

Our newest touch screen controller with energy efficient modes of operation. The software provides a flat menu structure that allows access to the most common parameters with the fewest number of button clicks. The language and units are easily changed to accommodate 8 different languages. The advanced section has multiple inputs that can trigger alarms for multiple external sensors and devices. A USB port is provided for software updates. A key advantage of the new touchscreen is only two wires have to be ran between the touchscreen and the pulse solenoids no matter how many solenoids there are.



Smart Solenoid Controller

Camfil Farr APC introduces a new cost saving innovation. The timer controls for pulsing the solenoids are now embedded with the solenoids so you no longer have to wire a remote timer board to the solenoid tray. The ON and OFF times of the solenoids are easily adjusted through dials integrated into the solenoid tray.



FDC Controller

The Farr Dust Collector (FDC) Controller's flexible design allows it to be adapted to many dust collector configurations.

VFD Controller

The timer controller with VFD Option provides complete control of the blower during and after startup. It has all the necessary functions for a controlled start of the Gold Series without the high current loads typically associated with blowers during startup. It also provides the ability to control the blower's speed resulting in the greatest energy savings and process functionality.



Custom GS Controller



(IDC) Integrated Dust Collector Controller with smart start

Camfil Farr APC Product Overview

Gold Series® Collectors



- Modular design for flexibility
- Heavy duty construction
- Gold Cone™ HemiPleat® filters
- Component configurations are virtually unlimited

GS Camtain® Collectors



- Pharmaceutical and hazardous dust applications
- Bag In Bag Out (BIBO) safe change containment systems
- Independently surrogate tested for containment performance

FarrVac



- Pulse-cleaned, portable industrial vacuum
- Maintains constant suction during operation
- 16-gal tank and optional extender to fit 55-gal drum available

GS High Vacuum



- Vessel strength: 17 in Hg vacuum, 8 PSI positive pressure
- 2 and 4-cartridge models
- Use as central vacuum system, positive or negative product receiver or high pressure bin vent

Cyclone Separators



- High efficiency centrifugal particulate separators
- Excellent as prefilters to large cartridge collector systems in many applications

GSM4 Mini Systems



- Self-contained systems for 1,000 to 2,000 CFM applications
- Fully assembled and prewired unit includes fan, controls, motor starter, filters and cleaning system

Zephyr® III Portables



- Three-stage filtration
- For welding fumes, grinding dusts
- 700 CFM at capture hood
- Heavy duty fume arm is free of obstruction inside

GSP Packaged Systems



- Smoke and dust collector for CNC laser and plasma cutters
- Fully assembled and prewired unit - just plug it in!
- Fan rated 2,500 CFM at 10" w.c.

GSB Booths



- Encapsulates work area
- Cantilevered roof design
- Excellent cross draft ventilation keeps dust out of breathing zone

Efficient Fan Motors



- Fan provided with premium efficient "E" motor
- Non-overloading backward inclined fan wheels with standard supplied integrated damper

GS-Mini™ Portables



- Single cartridge dust collector
- Mini solution for sub 500 CFM applications where you want a dedicated dust collector for one process machine or as a bin vent

Controls



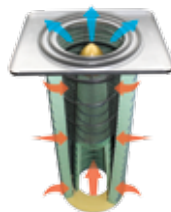
- FDC Controller
- Motor Starters
- VFD's
- Custom Controls

HemiPleat® Filters



- High performance filtration with Multiple media options
- State-of-the art pleat spacing
- Size for nearly all industrial dust collector brands

Gold Cone™



- Lower pressure drop
- Enhanced cleaning for more efficient operation
- Excellent energy performance

NoOval



- Improves performance of existing dust collector
- Greater media utilization
- More effective cleaning and lower pressure drop

DuraPleat®



- Handles difficult dust applications
- Exceptionally rugged, long lasting
- Washable media may be reused in many applications



World's largest dust collector factory

25 acres - 280,000 sq. feet of factory space dedicated to dust collection!



Looks Like a Safe Because It's

BUILT LIKE A SAFE



DUST AND FUME PROBLEMS SOLVED



scan to visit

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