







Scan to see video about the making of the Remembering Tree.

## The Remembering Tree, a vision of sustainability

Created by Kelly Stevens, artist and Farr Gold Series® production welder, this metal sculpture stands 30 feet (9.2 meters) tall in front of the Jonesboro, AR, USA factory. This artistic sculpture represents Camfil 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 Air Pollution Control (APC) can help solve your dust problems.



## Getting Greener

Camfil 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, “Camfilcairing”, which is basically a way of packaging all our industry-leading green initiatives into a comprehensive program that we are launching globally within Camfil. 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

*Alan O'Connell*  
President and CEO  
Camfil



## Mission Statement

### WHAT WE DO:

- **We will** clean dust and fumes from factories, making them safer and more productive.

### HOW WE DO IT:

- **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 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 Farr Gold Series® collector 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 Air Pollution Control

## Farr Gold Series® Collectors Come With a **12 YEAR WARRANTY**

Camfil 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 APC can solve your dust problems.



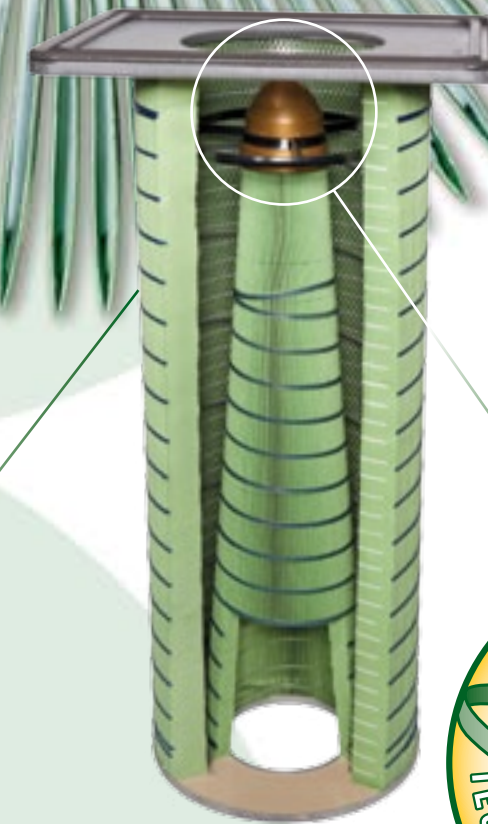
The HemiPleat® will improve the performance of any cartridge dust collector...**guaranteed.**

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 Farr Gold Series dust collector with HemiPleat filters has been tested to exceed the air quality required in most hospital operating rooms!

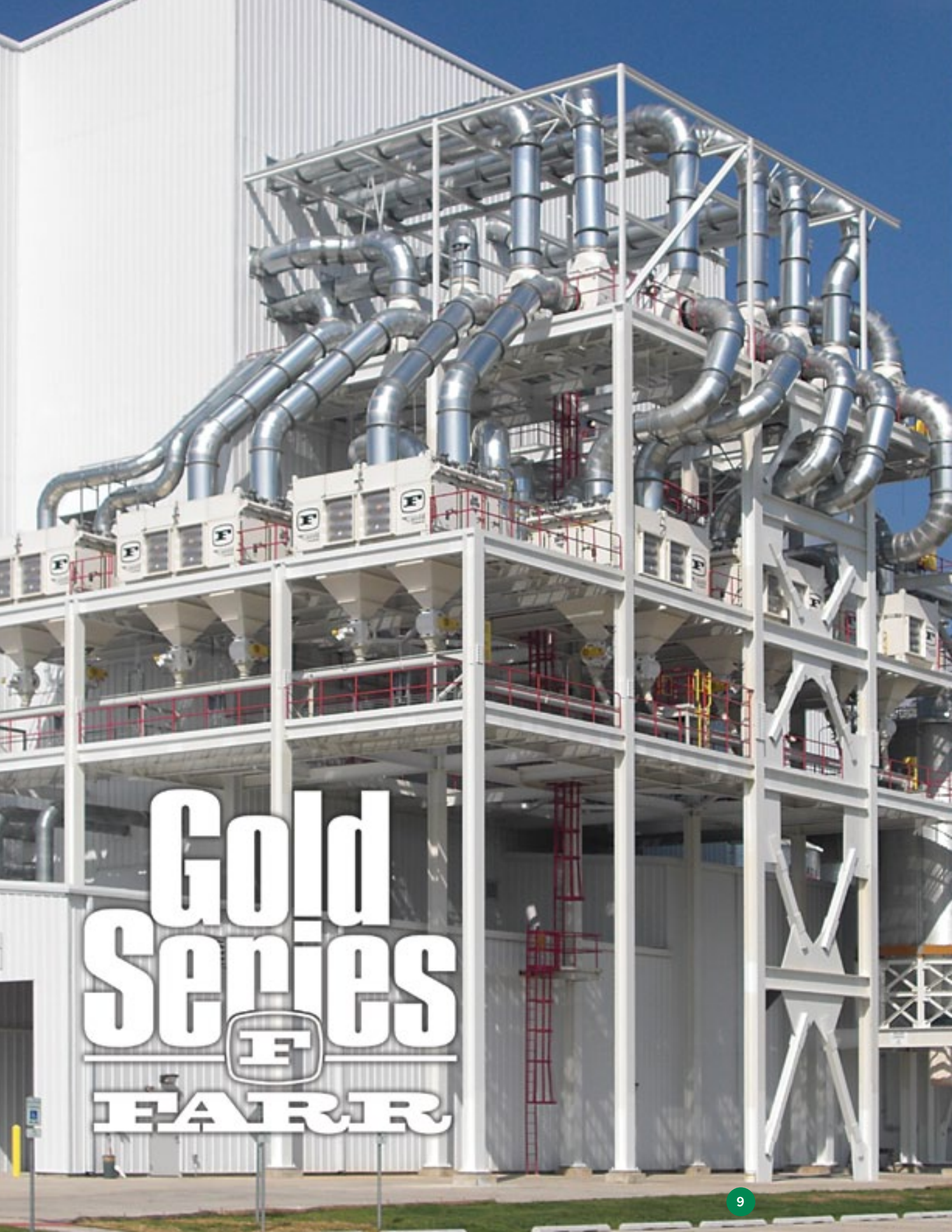
## Gold Cone Filter

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

**F**

## FARR





Ship abrasive blasting



Scan to see more Farr Gold Series® installations.



Pharmaceutical dust



Indoor flameless explosion venting



Pharmaceutical dust

# Everything makes dust...

## Typical Applications:

- Abrasive Blasting
- Chemical Processing
- Fiberglass/Composites
- Food/Sugar
- 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



Pharmaceutical dust with bag-in bag-out (BIBO) filter change-out



Wood dust



# The Farr Gold Series® cleans it up

Superior performance features with exceptional ease of installation and service make the Farr Gold Series the ultimate choice for a clean workplace.



Thermal spray with integrated HEPA and vertical x-venting



Thermal Spray with spark trap module



Weld smoke ventilation



Farr Gold Series with HEPA integrated Safety Monitoring Filter (iSMF)



Paper shredding/recycling



Grinding thermal spray coatings



GS48 with skirting on plasma cutting



Tunnel mining skid package

Any Color You Want!



OEM laser cutting fume



Ore storage bin vent





# The Heart of the Farr Gold Series®

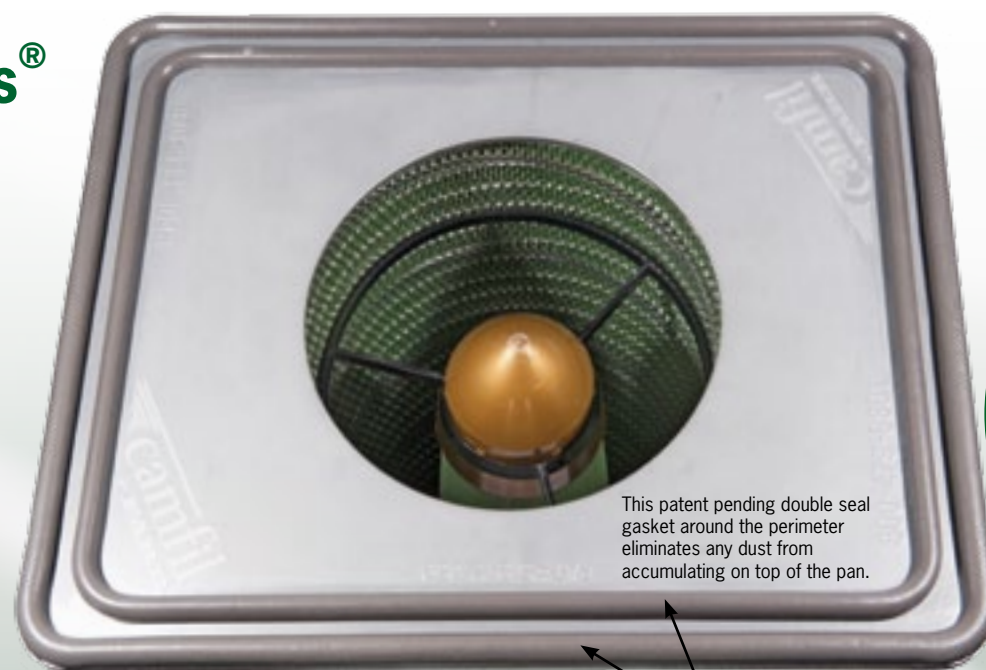


## The Most Advanced Dust Collector Filter Ever Made

- Poly-Tech™ media's filtration efficiency is 99.99% on 0.5 µm and larger particles.
- The Farr 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.

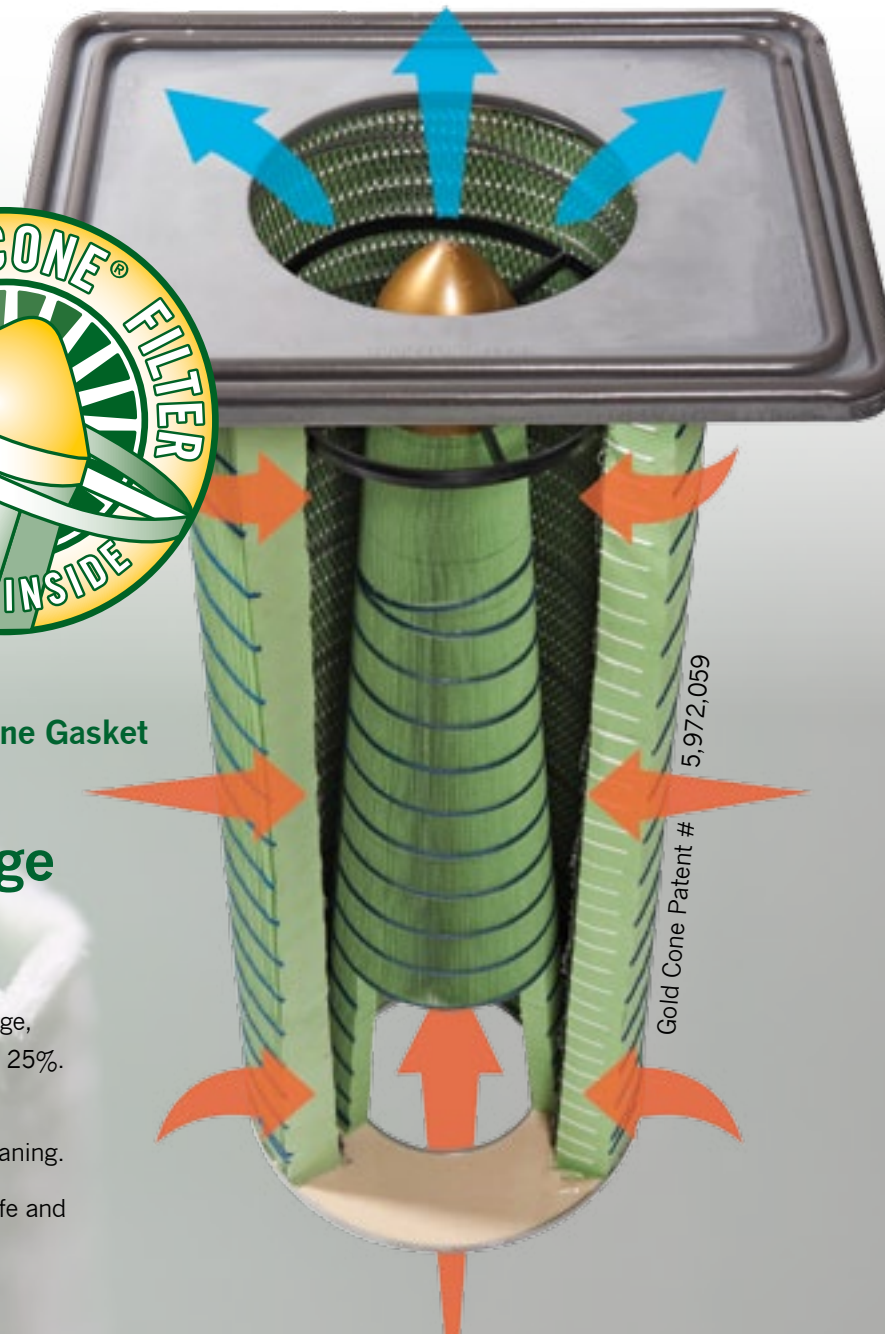


## Gold Cone Double Seal Urethane Gasket



## 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.



Gold Cone Patent # 5,972,059



## New Technology

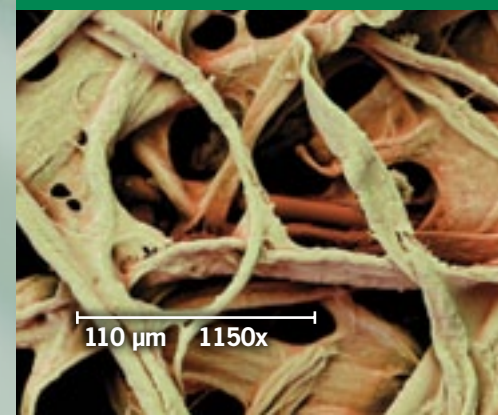
## Old Technology

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.



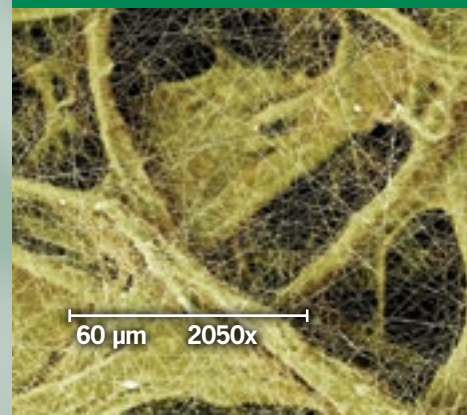
The HemiPleat eXtreme filter is the ultimate in dust collection filtration, bringing home the highest degree of efficiency and filter life on the market. The HemiPleat eXtreme uses our proven HemiPleat technology and base media with proprietary nano fibers applied to the media surface for extreme results.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

Cellulose Polyester Blend



110 µm 1150x

Cellulose Polyester Blend with eXtreme Coating



60 µm 2050x

< open & shut >  
case



Patent # US 7,722,699 B2



**Gold  
Series**  
**F**  
**FARR**

Looks Like a Safe Because It's  
**BUILT LIKE  
A SAFE**<sup>™</sup>  
NEED TO RE-ORDER  
need service?   
  
[www.camfilapc.com](http://www.camfilapc.com) 800-479-6801

**Gold  
Series**  
**F**  
**FARR**

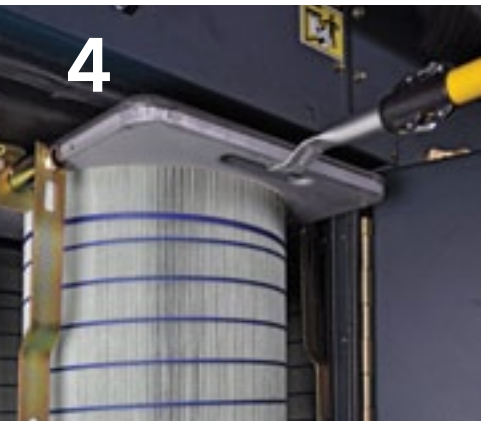
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NEED TO RE-ORDER  
need service?   
  
[www.camfilapc.com](http://www.camfilapc.com) 800-479-6801



# Easy Filter Change-out



Scan to watch filter change-out video.



# Farr Gold Series offers modular design for optimum flexibility–delivered fast!

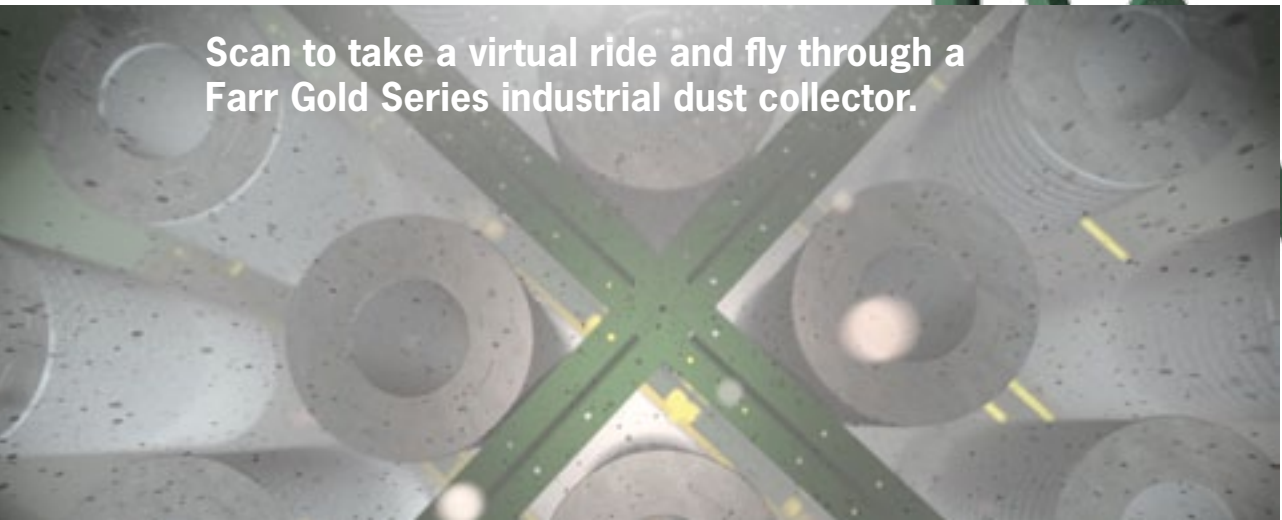
“We are very happy with the Camfil APC dust collector. The dust collection solution was purchased for our CNC plasma cutter to replace a horizontal cartridge dust collector due to short filter life. The current filters have been in for over a year and still look great and are operating on less than 3”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



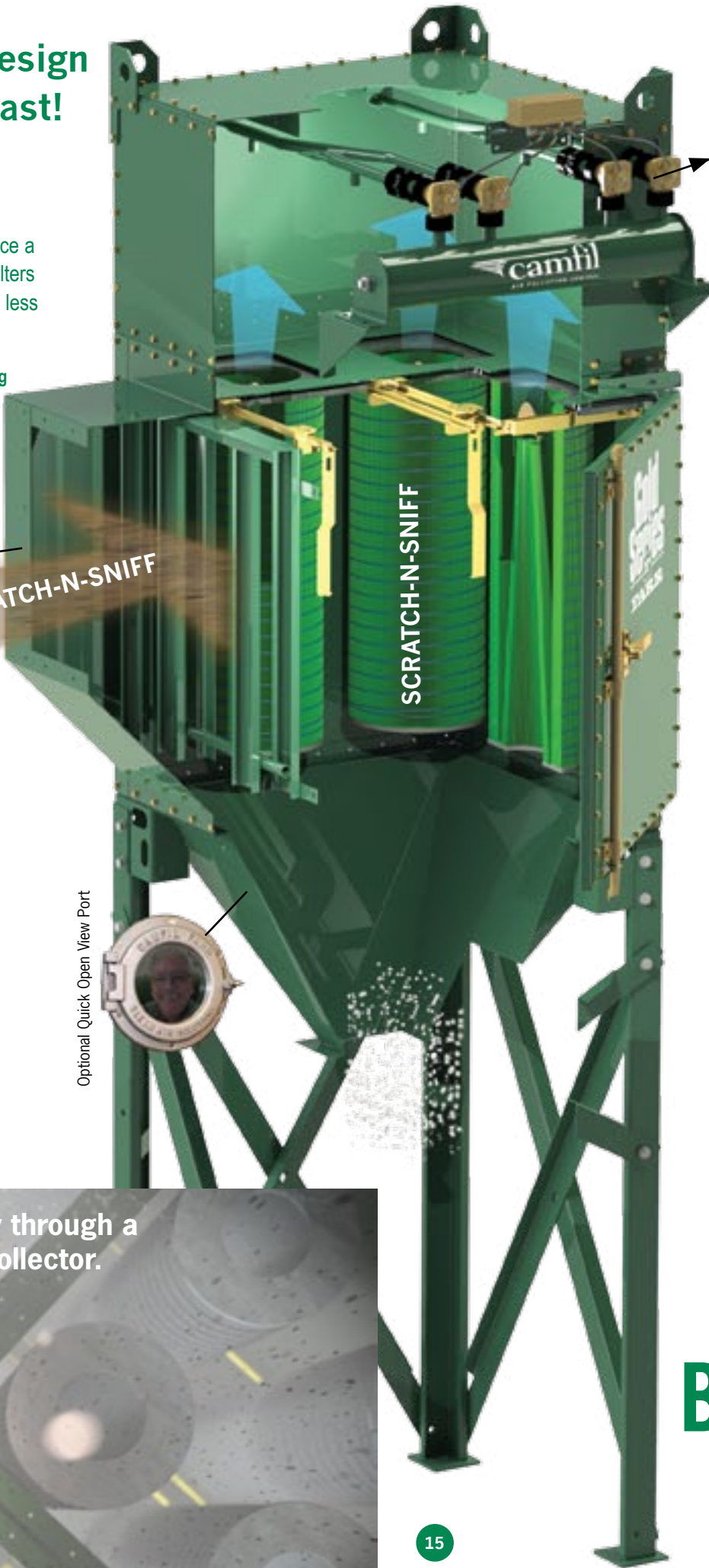
**High Entry Inlet**  
Cross flow is created through the filters. This eliminates upward “can” velocities associated with traditional hopper inlets.

# Farr Gold Series® Features

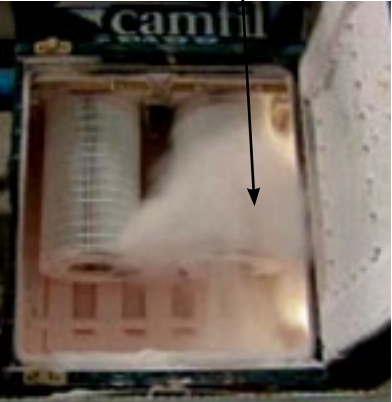
- Modular design for optimum flexibility–have it your way fast!
- Each module accommodates airflows up to 5,000 cfm
- Module constructed of 7 gauge carbon steel
- Door, hopper, inlet and panels are all 10 gauge steel
- Powder painted for unsurpassed corrosion resistance
- Component configurations are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



Scan to take a virtual ride and fly through a Farr 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.

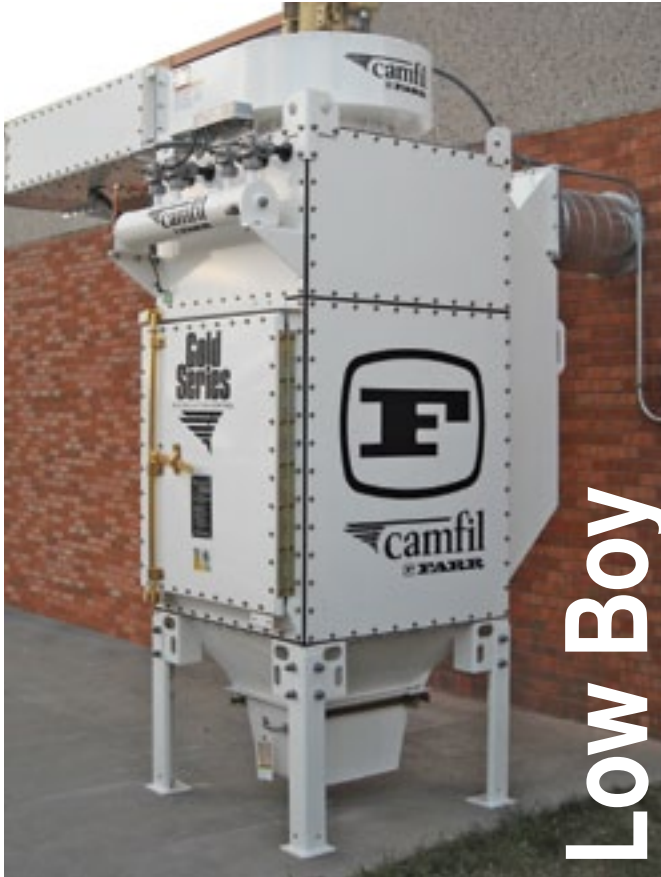


**Individually Powder Coated**  
Farr Gold Series components are individually powder coated prior to assembly for superior corrosion resistance.

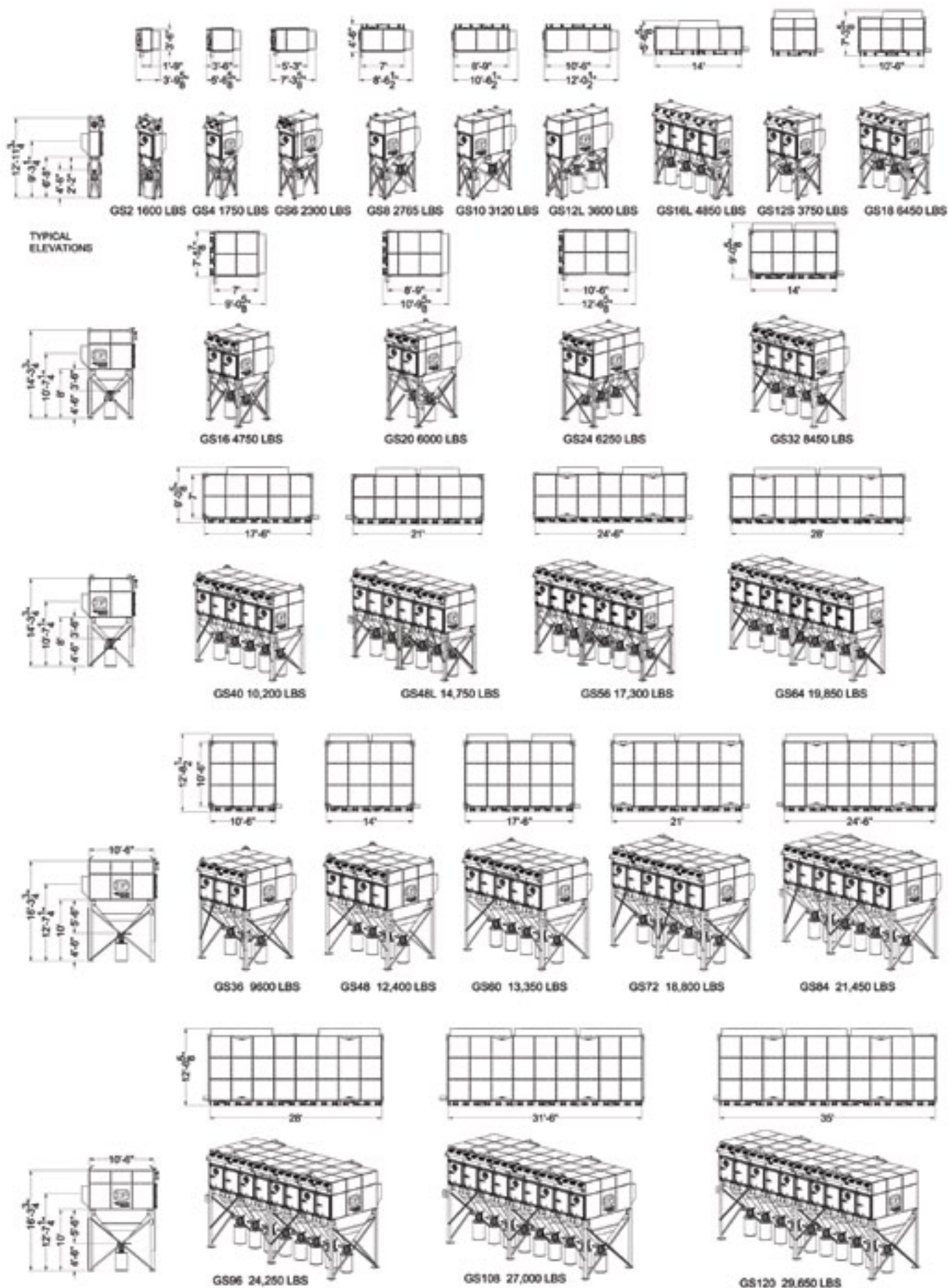
Looks Like a Safe Because It's Built Like a Safe



# Farr Gold Series® Hopper Options







# Farr Gold Series® Models

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

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



# NFPA COMPLIANT

## Combustible Dust Collection Systems

### Inlet Protection

#### 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.

OR

#### 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.

OR

#### Backdraft Damper (Most Common)

The mechanical backdraft 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.



#### Detect and Suppress

These systems protect the dust collector from ignition sources such as sparks or embers. It detects them and activates a suppression system that extinguishes them before they reach the collector.



### Explosion Venting Sequence



### Outlet Protection

#### Integrated Safety Monitoring Filter (Patent Pending)

The iSMF has been proven to isolate the downstream equipment from the progression of a flame front during an explosion. The Farr 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.

OR

#### High Speed Abort Gates

High speed abort gates 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. Can be installed in either inlet and/or outlet ducting.

### 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 APC’s standard explosion vents are ATEX certified and NFPA compliant.

OR

#### 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.

OR

#### Chemical Suppression

Designed to react within milliseconds of detecting an explosion, a chemical suppression system is installed in the collectors dirty air section. The chemical suppression system prevents expanding a deflagration by releasing a chemical agent. This system is often used in order to put combustible dust collectors inside the factory where you can’t vent to the outside.



# Farr 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 that only two wires have to be run between the touchscreen and the pulse solenoids, regardless of the solenoid quantity.



### Smart Solenoid Controller

Camfil 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.



Custom GS Controller



### FDC Controller

This controller's flexible design allows it to be adapted to many dust collector configurations.

### VFD Controller

The timer controller with Variable Frequency Drive (VFD) option provides complete control of the blower during and after startup. It has all the necessary functions for a controlled start of the Farr 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.



Integrated Dust Collector (IDC) Controller with Smart Start



Ducting Designs

Ambient Weld Smoke Collection

Source Fume Collection

Source Capture Dust

Source Capture Foundry

Ducting Designs

Fire and Explosion Protection

Integrated Safety Monitoring Filter

Sprinklers

Explosion Vent

Explosion Vent With Blast Plate

Fire and Explosion Protection

Fire and Explosion Protection

Vertical Explosion Vent

Flameless Explosion Vent

GS Backdraft Damper

Chemical Suppression System

Fire and Explosion Protection

Gold Cone Media Options

Green Moisture Resistant Media

Fire Retardent Media

Carbon Static Electricity Conductive Media

Synthetic Washable Media

Gold Cone Media Options

Mining Options

Top Hand Rails

UHMW Mining Inlet Baffle

Slurry Tank for Conveying Dust

Copper Tubing and Diaphragm Maintenance Valve

Mining Options

Farr Gold Series® Options

Low Pro Hopper Quick Seal

GS Drum Kit with Slide Gate

Hopper Discharge Options

GS Skirt

Auger Screw Conveyor

Self Dumping Hopper

Clean Sweep

Hopper Discharge Options

Hopper Discharge Options

Heavy Duty Cast Rotary Airlock

Fabricated Flex Tip Airlock for Fibrous Dust

Cast Rotary Airlock

Dust Briquetter

Hopper Discharge Options

Inlet Options

Drop Out Module

Channel Baffles

Abrasion Resistant Inlet

Spark Diverter Inlet

Inlet Options

Fans

Top Mount Fan

Side Mount Fan

Ground Mount Fans

Fan Silencer

Fans

Cool Stuff

Pulse Header Silencer

GS High Vacuum

Fully Insulated Collector

Stainless Steel

Cool Stuff

Cool Stuff

Remote Safety Monitoring Filter

Broken Bag Detector

Collector Stiffening

Compressed Air Regulator

Cool Stuff

Cool Stuff

Custom Structural Steel

Air Quality Booth

Custom OEM Designs

Inspection View Port

Cool Stuff

Pharmaceutical Options

Heat Exchanger for Exhaust Gas That Cannot be Recirculated

Gold Cone Overbags for Fibrous Dust

Platform and Ladder

Bin Vent

Pharmaceutical Options

Pharmaceutical Options

Bag-In Bag-Out (BIBO)

Butterfly Valve

Continuous Liner Discharge

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

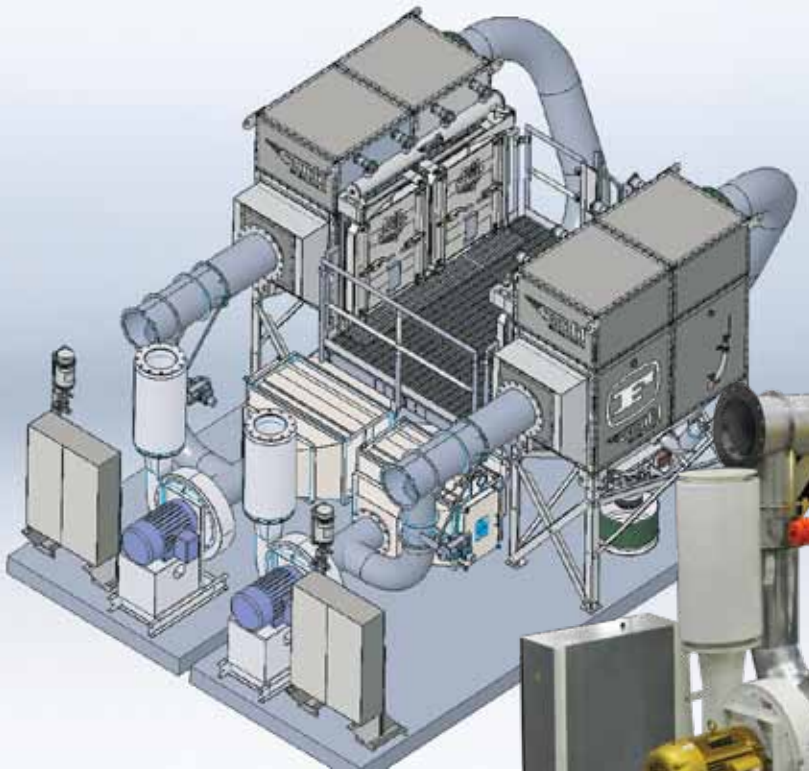
Pharmaceutical Options



# Typical Farr Gold Series® Shipment



## Custom Preassembled Skid Mounted Dust Collection System



If local site labor and engineering is expensive or scarce, we can fully engineer and preassemble a complete skid mounted package for plug-and-play installation. The units pictured here meet all applicable NFPA codes for combustible dust and are safe for hazardous pharmaceutical compounds.





# Camfil APC Product Overview

## Farr 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®



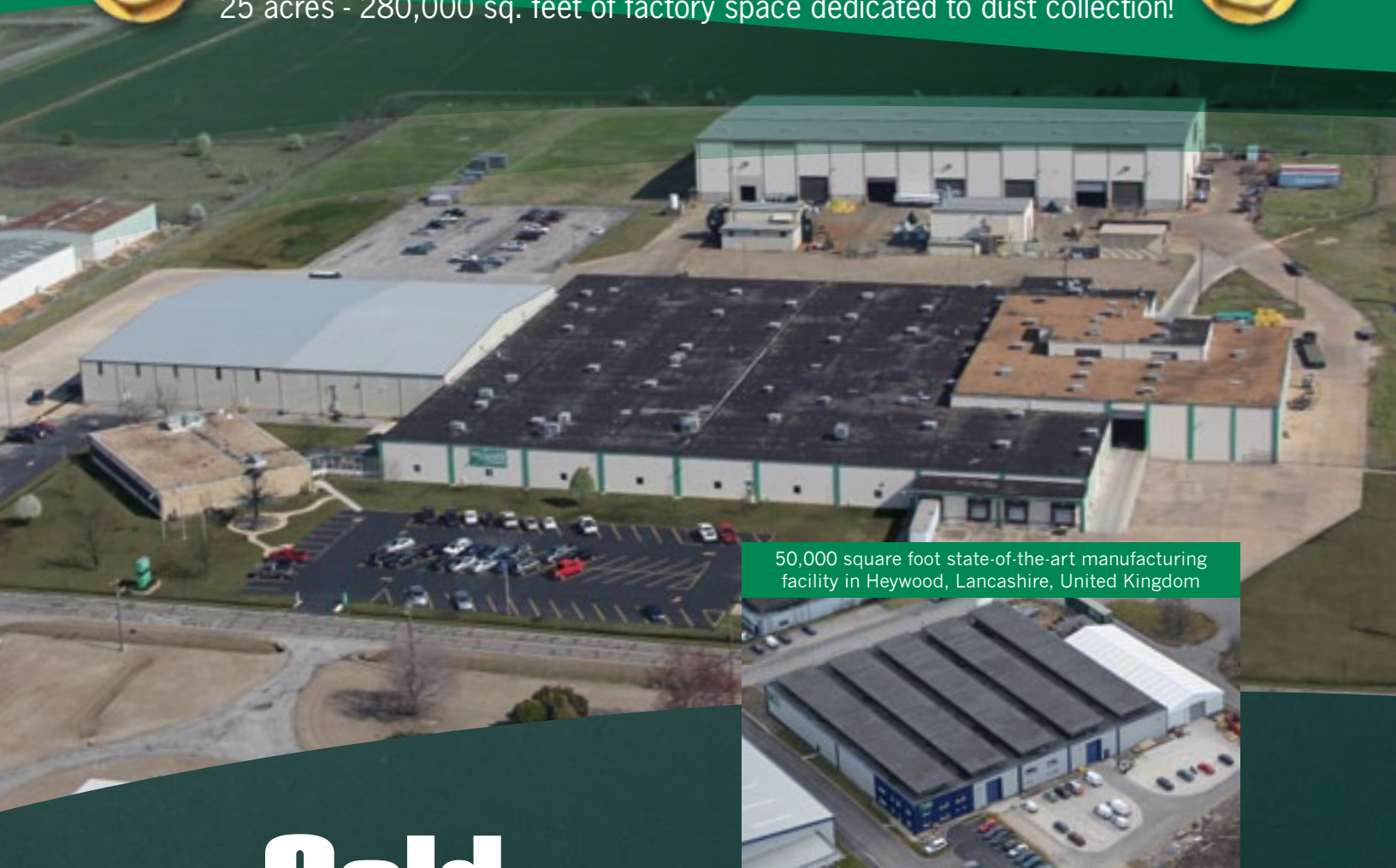
- Handles difficult dust applications
- Exceptionally rugged, long lasting
- Washable media may be reused in many applications





# World's Largest Dust Collector Factory

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



50,000 square foot state-of-the-art manufacturing facility in Heywood, Lancashire, United Kingdom

**Gold  
Series**  
**F**  
**FARR**

Looks Like a Safe Because It's

**BUILT LIKE  
A SAFE™**

**DUST AND FUME PROBLEMS SOLVED**



scan to visit

[www.camfilapc.com](http://www.camfilapc.com)

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