

Looks like a safe because it's built like a safe.



**FARR**  
Air Pollution Control



gold series®

Farr APC

Gold Series® Brochure

Air Pollution Control



# Gold Series Application Focus

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*The ultimate dust collector—the Gold Series®*



## The Gold Series®

The Gold Series cartridge dust and fume collector combines enhanced performance with the ease of service while cleaning the work environment of irritating dust and fumes. The Gold Series cartridge dust and fume collector may be used for a wide range of pollution control and product recovery applications.

The Gold Series is the next generation dust collector, building on 25 years of experience with Farr APC's Tenkay® dust collector.

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

Featuring the Gold Cone in the center of the cartridge, cleaning is accomplished by pulse waves that emanate outward from this inner cone providing enhanced cleaning for more efficient operation, longer cartridge life and reduced service requirements.

In most cases, the Gold Series meets the 5mg/m<sup>3</sup> or less emissions required to recirculate the air back into the work place on non-hazardous dusts.

Meeting airflow requirements with a 25% smaller housing allows the Gold Series to deliver premium performance at a competitive price and take up less factory floor space. The service benefits are numerous offering faster, trouble-free change-out of cartridges.

The Gold Series, along with other Farr APC dust collectors, are manufactured in our hi-bay facility in Jonesboro, AR (pictured lower right).

## Typical Applications:

- **Blasting—Shot & Grit**
- **Pharmaceutical—Pill press, tablet coating, drying**
- **Welding**
- **Grinding**
- **Sanding**
- **Thermal Spray**
- **Paper dust—Corrugated, folding carton, printing, binding**
- **Fiberglass**
- **Process Chemicals**
- **Wood Working**
- **Powder & Bulk**
- **Laser Cutting**
- **Plasma Cutting**
- **Mining—Crushing & Conveying**

Farr APC Gold Cone Cartridge and Cam Lock Feature covered by Patent Numbers 5,972,059 and 4,322,231.  
HemiPleat technology patent pending.

# Gold Series Installations



Large Auto Manufacturer Weld Smoke



Cereal Ingredients Installation



GS on Paper dust from Bookbinding



Two GS24s on UHMW Plastic Dust



Camtain GS BIBO System Off Pill Press

## Gold Series® offers modular design for

“We are very happy with the Farr 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 Farr people have been a pleasure to do business with.”

— Dan Schuler, Schuler Manufacturing

### 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 efficiently pulses dust



#### Easy Access Door

- No Knobs To Lose or Drop
- No Threads To Bind
- Mechanically Attached Seal
- Heavy 10 gauge Construction
- Lock-Out/Tag-Out Capability



#### Easy Changeout

Gold Cone Cartridge with patented Cambar action that positively seals the cartridges without using threads or knobs.

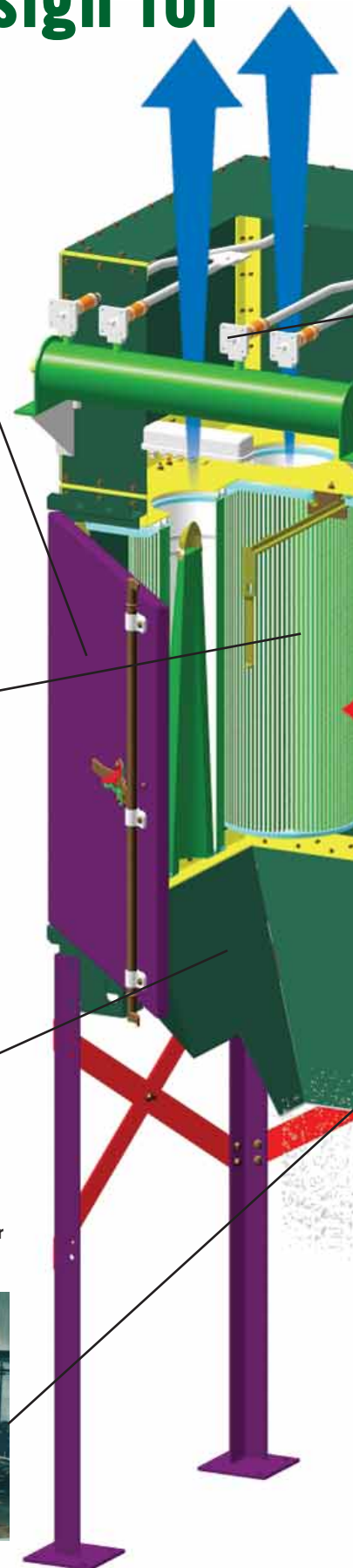


#### Optional Quick Open View Port in Hopper



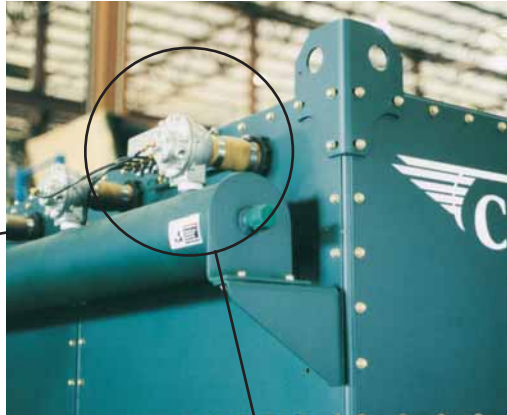
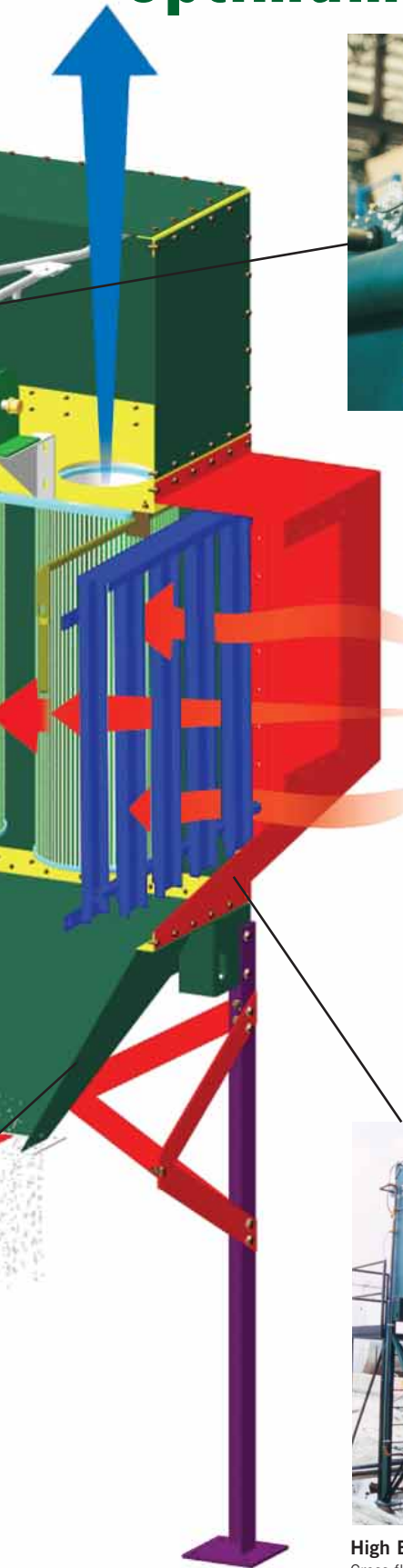
#### Individually Powder Coated

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

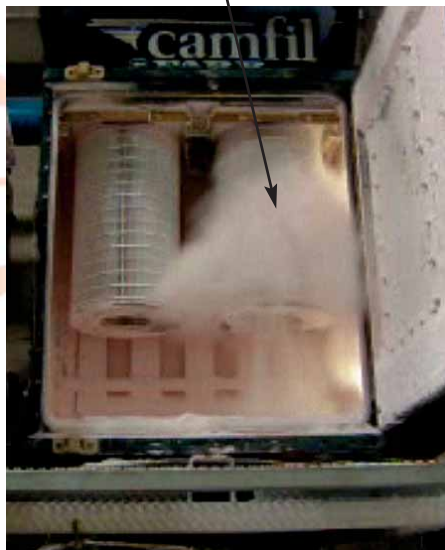


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# optimum flexibility—delivered fast!



Powerful Cleaning System to Provide Long Filter Life



Pulse Discharge of Gold Cone Filter



## High Entry Inlet

Cross flow is created through the filters. Eliminates upward "can" velocities associated with traditional hopper inlets.

## Easy Maintenance

The service benefits are numerous. A heavy gauge access door uses an easy-to-use lift cambar in place of the usual threaded handle, facilitating entry into the collector. The door is fully-reversible for access from either side and has an exclusive lock-out feature for worker safety. Cartridge service is further simplified through a cambar system that allows faster trouble-free change-out.

## Gold Series Options:

- Explosion Venting
- Rotary Airlock
- Drum Cover Kit
- Quick Open Access Panel in Clean Air Chamber
- Custom Colors
- NEMA 7/9 Solenoid Enclosure
- Increase Leg Length
- Hopper Access Door
- Sprinkler Coupling
- Dust Level Indicator
- Dust Bin w/Drawers
- Common Trough Hopper
- Large Pyramid Hopper
- Stainless Steel Construction
- Various Inlet Designs

## Gold Cone Filter Media Options:

**325 Sq. Ft. HemiPleat® Filters** (Media Area)—180°F Max  
 99.99% at 0.5 micron Efficiency  
 HMPTS—Poly-Tech Standard  
 HMPTC—Poly-Tech Carbon Impregnated  
 HMPTF—Poly-Tech Fire Retardant  
 HMPTU—Poly-Tech Ultra High Efficiency  
 HMPTUF—Poly-Tech Ultra High Efficiency, Fire Retardant

**225 Sq. Ft. Filters** (Media Area)—250°F Max, Washable  
 DPS—Dura-Pleat® Standard Spun-Bond Polyester  
 DPA—Dura-Pleat® Aluminized Finish (static drain)  
 DPO—Dura-Pleat® Oleophobic Treatment (moisture resistant)  
 DPT—Dura-Pleat® with Teflon Membrane

Specialty Hi Temp Nomex® & PTFE cartridges for 350° F also available.

## Control Options— For Automatic Filter Cleaning



DCT 1000



P4

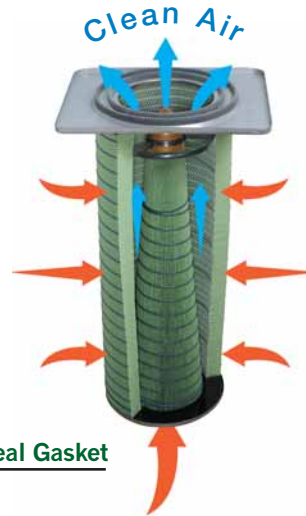


DETERMINATOR

# Filtration Technology

## The Most Advanced Dust Collector Media Ever Made

- Poly-Tech™ media's filtration efficiency is 99.999% on the 0.5 μ and larger particles.
- The Gold Series meets the 5 mg/m<sup>3</sup> or less emissions required to recirculate air back on non-hazardous dusts in most cases.
- Poly-Tech is offered with a flame resistant treatment and carbon impregnated for static drain.
- Other media options include Dura-Pleat® for sticky dusts and PTFE for the demanding applications.

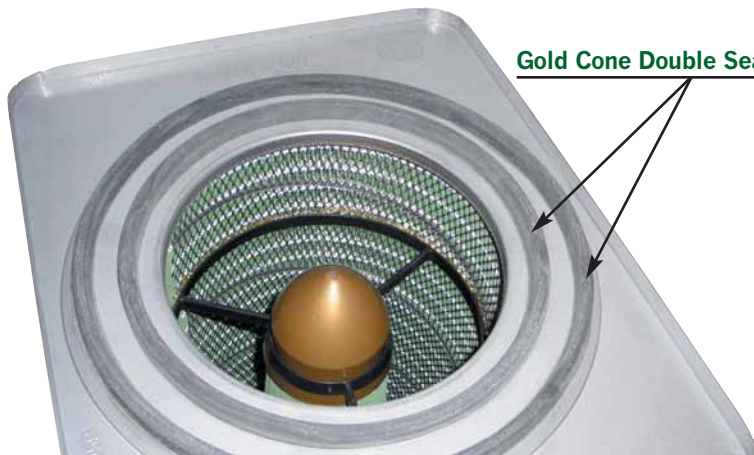


## Gold Cone Cartridge

- Vertically mounted to shed dust readily for efficient cleaning and longer service life.
- Features a cone in the center of the cartridge.
- Cleaning is accomplished by pulse waves that emanate outward also expanding the area of the cartridge.
- Test results indicate that this new pulse distribution method provides enhanced cleaning.
- More efficient operation, longer cartridge life and reduced service requirements.

### Gold Cone Key Benefits:

- High filtration efficiency
- Low Pressure Drop
- Long filter life



Gold Cone Double Seal Gasket

## HemiPleat® vs. Typical Pleats

No matter which dust collector you have, the HemiPleat® filter can improve its performance.

*Guaranteed.*

### Media Comparison

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 at left in a comparison against the media pack with typical industry pleats. Notice the difference in pleat spacing and alignment.



### HemiPleat Advantages

- Lower pressure drop through open pleat spacing improves cleaning efficiency, which will reduce energy costs through less compressed air consumption during cleaning in many applications.
- More media is available for filtration, for improved performance and longer life.
- The separation beads, not the media pleats, contact the inner cage, protecting the media from frictional damage.



HemiPleat Breathable Media Pleats



Typical Industry Packed Media Pleats

## Gold Series Options

*The dust collector individually customized for your special needs.*



Abrasive Resistant Inlet, Top Mount Fan, Silencer, & Safety Monitoring Filter



Top Mount Fan



Trough Hopper with Screw Conveyor



Hazardous compounds contained with BIBO filter change. Filters are sealed via cam-lock action, making it easy to work through the bag.



BIBO dust discharge. Hazardous compounds contained during BIBO filter change.



Explosion Vent—NFPA Rupture Panel



Louvered door inlet for cross-flow applications

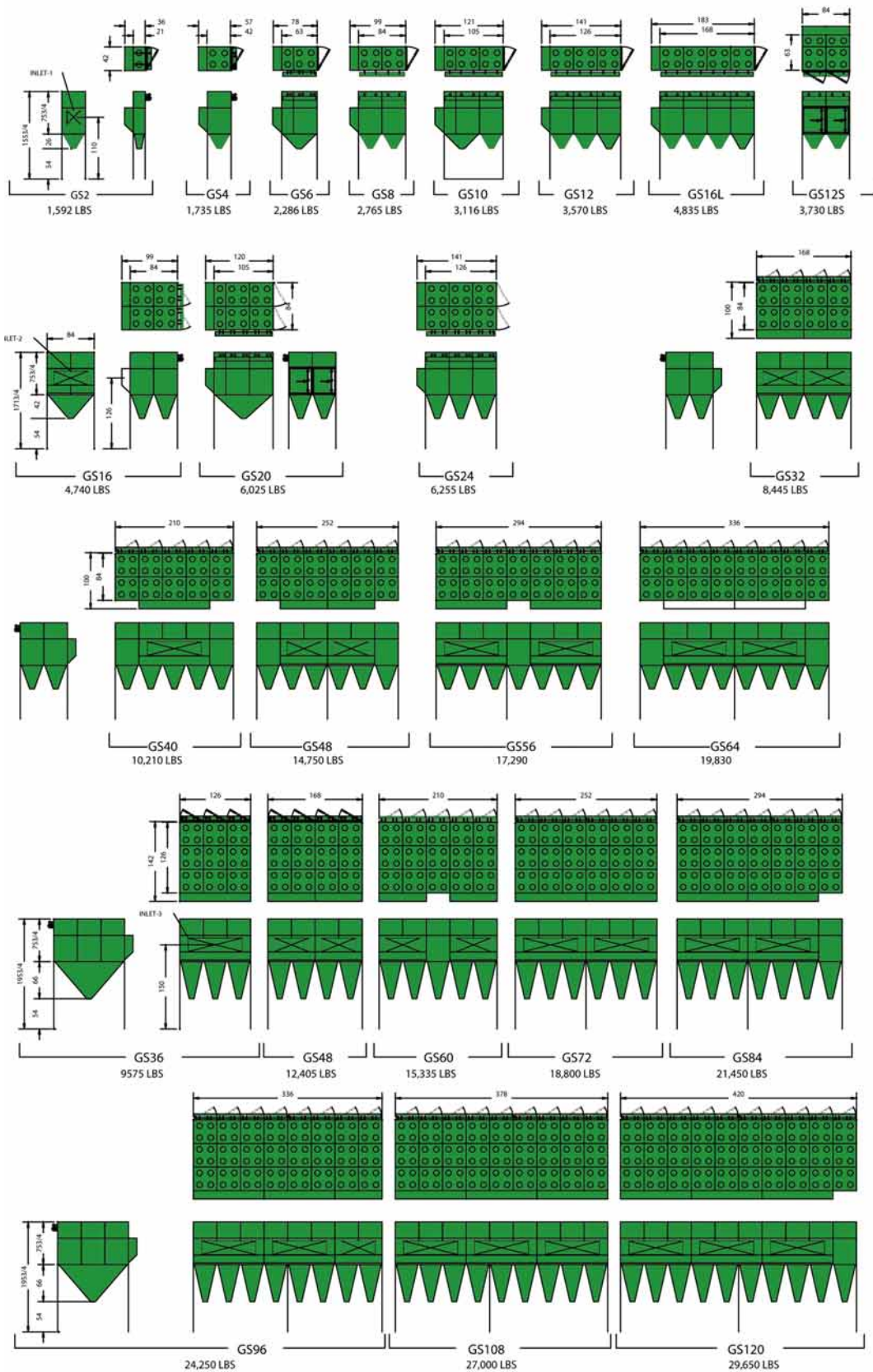


Stainless Steel Construction Available



Overbag Option for Fibrous Dusts like Paper & Fiberglass

# Gold Series Models



Large single point discharge hoppers available. Trough hoppers also available. Hoppers shown result in lowest possible headheight.



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



**FARR**  
 Air Pollution Control

Farr APC is a proud member of the Camfil Farr group.

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