

PHARMACEUTICAL COMPOUNDS

The Gold Series cartridge dust and fume collector combines enhanced performance with ease of service while cleaning the work environment of irritating dust and fumes.



Tablet Manufacturing

Benefits of the Gold Series Collector –

- High entry cross flow, inlet eliminates upward air velocities that can hold fine powder up in the filters reducing re-entrainment of the fine particles.
- Vertically arranged filters shed all the particulate - vs. horizontal filters which allow the dust to build on top of the filter.
- High efficiency filters stop 99.99% at 0.5μ of the dust!
- Special treated filter media repels the fine particulate for lower pressure drop and long filter life.
- Gold Cone provides 25% more media for long service life.

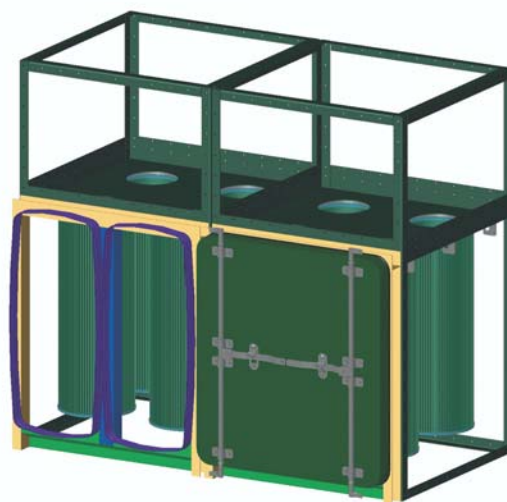
Gold Series on Pharmaceutical Company Applications – The Gold Series (GS) dust collector can be used in a variety of pharmaceutical dust collection applications such as pill presses, tablet coating, fluid bed dryers, spray dryers, and general room ventilation. The GS is perfect for high efficiency filtration where recovery of the product is not required.



FARR APC
Air Pollution Control

Gold Series Camtain™ on Pharmaceutical Company Applications

Bag In Bag Out containment systems are available on both the cartridge access doors and drum system underneath the collector. Farr has BIBO dust collectors on pharmaceutical applications in the USA, Canada, and Europe.



GS8 BIBO Dust Collector Rendering



GS8 BIBO Dust Collector

www.farrapc.com

Application Focus

PHARMACEUTICAL COMPOUNDS

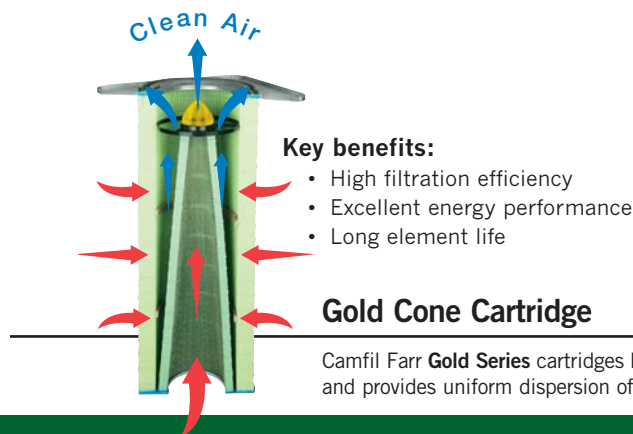
SAFE AIR FOR A SAFE WORK ENVIRONMENT



GS 24 with Vertical X-Vent



Bag In-Bag Out GS Door—The Camtain™



Camfil Farr **Gold Series** cartridges have an expanded capacity due to the patented inner Gold Cone. This inner cone increases media area and provides uniform dispersion of back-pulsed air. It also opens up more useable space for air flow in the filter.

Safety Considerations – Two key concerns come into play with pharmaceutical dusts – first is the hazardous nature of the compound as it relates to direct human exposure, and the second is its explosive nature. With the first issue you must determine if BIBO containment systems are necessary to protect the workers. In most cases Farr recommends a HEPA secondary polishing system. With HEPA backup systems after the dust collector, recirculation of the filtered air back into the HVAC system is gaining in popularity in the pharmaceutical industry.

Explosions are a major concern on most pharmaceutical compounds. Steps such as explosion venting, suppression, and isolation systems may be required depending on the explosion rating of the dust and the location of the collector. When explosion vents are required, they must be vented to the outside by either placing the collector outside, or ducting the vent exhaust a short distance through a wall to the outside. Farr recommends an independent PE specifies what explosion protection is required for a given dust as it relates to recommendations in NFPA or Factory Mutual.

Sizing Recommendations

For direct exhaust of pill presses and tablet coaters, we recommend our Polytech Standard (PTS) Gold Cone cartridges at an air to media ratio of under 2:1. On general room ventilation where dust loading is very light, we can increase the ratio to 2.5:1.

On heavier loading applications like dryer exhausts, then we drop the ratio down to 1.5:1 on our standard media. If the temperature of the air stream exceeds 160 deg F, then we would switch to the Durapleat Standard (DPS) media which is 100% spun bond polyester and is good up to 250 deg F. These filters have less pleats in them and can run at higher AC ratios around 3:1.

PHARMACEUTICAL COMPOUNDS GS USERS AND SPECIFIERS

MCNEIL CHC
EON PHARMA, LLC
NIRO INC.
BIOVAIL CORPORATION
NEIL LABORATORIES
UPSHER-SMITH LABORATORIES, INC.
TYCO HEALTHCARE/MALLINCKRODT
ABBOTT BIOTECHNOLOGY LTD.

MALLINCKRODT-ST. LOUIS
WYETH
STANTEC
JACOBS ENGINEERING
GLATT AIR TECHNIQUES
MERCK-MEDCO

Gold Series- Looks like a safe because it's built like a safe.



FARR APC
Air Pollution Control

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

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Additional APC offices and factories in Laval, Canada (450-629-3030), and Birmingham, England (44-121-707-8211)