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.
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!

Farr Gold Series® Collectors Come
With a 12 YEAR LIMITED 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.

Getting Greener
Camfil adheres to the values and principles of sustainable development and has established an organization to develop and maintain sustainable business practices. Camfilairing®, which is basically a way of packaging all our industry-leading green initiatives into a comprehensive global program 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.

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 shipping thousands of different pallets from entering the warehouse air and the outside air. We also build our equipment to last, so we save 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 by 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. Further more, 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.

Mission Statement
WHAT WE DO:
• We will clean dust, mist 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, mist and fume collectors in the business from an end user operation and maintenance viewpoint.

HOW WE DO IT:

SAFETY
WOW
WOW
WOW
WOW
SERVICE
SPEED
SPEED
SPEED
SPEED
SAFETY
SERVICE
SERVICE
SERVICE
SERVICE
SAFETY
SERVICE
SERVICE
SERVICE
SPEED
SPEED
SPEED
SPEED
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 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.
Everything makes 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.

Typical Applications:
- Abrasive Blasting
- Grinding
- Plasma/Laser Cutting
- Foundry
- Shot Peening
- Thermal Spray
- Welding, Smoke/Fume
- Chemical Processing
- Food Processing
- Mining
- Pharmaceutical

Applications:
- Powder/Bulk Materials
- Powder Painting/Pigments
- Fiberglass/Composites
- Paper Scrap Systems
- Seed Processing
- Wood Processing

Also:
- Pharmaceutical dust
- Wood dust
- Bronze foundry

Any Color You Want!
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.

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.

Gold Cone Double Seal Urethane Gasket

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

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.
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 [competitor] 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

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 high-loading dust
Other hopper options available include drawer kit, trough hopper with screw conveyor, and continuous liner discharge.
Looks Like a Safe Because It’s Built Like a Safe

Farr Gold Series® Models

TYPICAL ELEVATIONS

Standard hopper arrangements shown. See opposite page for other hopper options.
Deflagration Venting Sequence

1. Chemical Suppression
2. Fast-Acting Valve
3. Deflagration Vent
4. Inlet Protection

1. Chemical Suppression

A chemical suppression system reacts within milliseconds of detecting a pressure rise associated with a deflagration. A chemical suppression system is installed in the collectors dirty air section. The chemical suppression system reduces the maximum overpressure produced by a deflagration by extinguishing the deflagration with a chemical agent. This system is often used when locating or venting a collector handling combustible dust outside the building is not an alternative.

2. Fast-Acting Valve

Designed to close within milliseconds of detecting a deflagration. The fast-acting valve can be located in inlet and/or outlet ducting. The fast-acting valve creates a mechanical barrier within the ducting, which effectively isolates pressure and flame fronts from a deflagration in the dust collector and prevents them from moving through the ducting to other equipment or work areas.

3. Deflagration Vent

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

4. Inlet Protection

**Inlet Protection –**

**Fast-Acting Valve**

Designed to close within milliseconds of detecting a deflagration. The fast-acting valve can be located in inlet and/or outlet ducting. The fast-acting valve creates a mechanical barrier within the ducting, which effectively isolates pressure and flame fronts from a deflagration in the dust collector and prevents them from moving through the ducting to other equipment or work areas.

**Inlet/Outlet Chemical Isolation**

Designed to react within milliseconds of detecting a deflagration. A chemical isolation system can be installed in inlet and/or outlet ducting. The chemical isolation system creates a chemical barrier that suppresses the propagation of flame, from a deflagration, through the duct to other connected equipment or work areas.

**Deflagration Venting**

**Integrated Safety Monitoring Filter**

The ISMF isolates the downstream equipment and work areas from the propagation of a flame front during a deflagration. The Farr Gold Series dust collector with an integrated Safety Monitoring Filter allows you to recirculate exhaust air back into the work space even if your dust is combustible. The key advantage of this device is that it prevents the transmission of combustible dust (fuel) from the collector into other areas of the factory.

**Outlet Protection**

**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.

**NFPA 3.3.10 Explosion – The bursting or rupturing of an enclosure or a container due to the development of internal pressure from a deflagration.**

**Deflagration Vent**

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

**Flameless Vent**

Designed to install over a standard deflagration 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 combustible materials and cause secondary fires or deflagrations.

**Detect and Control of Ignition Sources**

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.

**Chemical Suppression**

A chemical suppression system reacts within milliseconds of the detection of a pressure rise associated with a deflagration. A chemical suppression system is installed in the collectors dirty air section. The chemical suppression system reduces the maximum overpressure produced by a deflagration by extinguishing the deflagration with a chemical agent. This system is often used when locating or venting a collector handling combustible dust outside the building is not an alternative.
GSC Controller
Our 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.

GoldLink
GoldLink™ is your anytime access to the diagnostics of your dust collection system. GoldLink monitors 4 preset analog inputs and 16 preset digital inputs to keep you informed on your operation. GoldLink sends multiple users messages when critical set points are reached insuring your manufacturing facility is safer and more productive. GoldLink can be included in any Camfil integrated control panel or retrofit to systems already installed.

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.
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 Farr Gold Series 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

**GS1QP Quad Pulse**
- Three-stage filtration
- For welding fumes, grinding dusts
- 700 CFM at capture hood
- Heavy duty fume arm is free of obstruction inside

**QPP Quad Pulse Package**
- Low Energy Consumption
- 24/7 Operation
- Zero Downtime
- Save Time and Money

**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

**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.

**Quantum Series™**
- Designed for light dust loading
- Built in spark arrester separates large particles from airstream into a separate container
- Easy to install and operate

**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

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

**Controls**
- FDC Controller
- Motor Starters
- VFD’s
- Custom Controls

**GoldLink™**
GoldLink™ is your anytime access to the diagnostics of your dust collection system.

**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

**DuraPleat™**
- Handles difficult dust applications
- Exceptionally rugged, long lasting
- Washable media may be reused in many applications
World’s Largest Dust, Mist and Fume Collector Factory

25 acres - 280,000 square feet of factory space!

Camfil APC state-of-the-art manufacturing facility in Taicang, China

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

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