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Gold Series®



Advantages

- High efficiency collector using HemiPleat® cartridges
- Modular design for optimum flexibility
- Customised for Original Equipment Manufacturers (OEM)
- Easy to install and maintain
- Simple cartridge replacement using quick release cam bars
- Up to 25% smaller
- ATEX and NFPA available upon request

Application: The Gold Series® cartridge dust and fume collectors may be used for a wide range of pollution control and product recovery applications including: Blasting, Chemical Processing, Pharmaceutical Manufacturing Processes, Fiberglass and FRP, Food Processing, Laser/Plasma Cutting, Paper Scrap, Rubber Grinding, Seed Processing, Mining, Thermal Spray and more. Contact Camfil for more information

Type: Dust collector

Options: A wide variety of options are available including: Explosion Venting, Special Inlet Designs, BIBO (bag in-bag out) for Pharmaceutical Applications, Custom Colours, Stainless Steel Construction, Alternative Hopper Designs etc. please contact us with your specific requirements

Cartridges: Vertically mounted to shed dust readily for efficient cleaning and longer service life. High filtration efficiency meeting the 5 mg/m³ or less emissions required to re-circulate the air back into the work place on non hazardous dusts

Features

- Modular design for optimum flexibility-have it your way fast!
- Each module accommodates airflows up to 8,500 m³/h
- Module constructed of 4.5mm thick carbon steel
- Door, hopper, inlet and panels are all 3.4mm thick
- Powder painted for unsurpassed corrosion resistance
- Component configurations are virtually unlimited
- Vertical design of cartridges enables efficient pulse cleaning of dust

Easy Maintenance

Simple, quick-open heavy gauge door(s) provide access to a super-fast cartridge change-out system that does not require entry into the collector. The door is fully reversible for access from either side and has an exclusive lock-out feature for worker safety.

Easy Access Door

- No knobs to lose or drop
- No threads to bind
- Mechanically attached seal
- Heavy 3.4mm thick construction

Easy Change-out

Gold Cone™ cartridge with patented cambar action that positively seals the cartridges without using threads or knobs.

Gold Series® Camtain®



Advantages

- Designed specifically for pharmaceutical and containment applications
- Bag-in/bag-out safe change options available.
- High efficiency collector using HemiPleat® cartridges
- Modular design for optimum flexibility
- Customised for Original Equipment Manufacturers (OEM)
- Easy to install and maintain
- Simple cartridge replacement using quick release cam bars
- Up to 25% smaller

Application: The Farr Gold Series® Camtain® is used in a wide range of pharmaceutical applications including tablet presses, coating, fluid bed and spray drying, blending, granulation and general ventilation. Contact Camfil for more information

Type: Dust collector

Options: A wide variety of options are available including: BIBO

(bag-in/bag-out) for Pharmaceutical Applications, Explosion Venting, Special Inlet Designs, Custom Colours, Stainless Steel Construction, Alternative Hopper Designs etc. please contact us with your specific requirements

Cartridges: Vertically mounted to shed dust readily for efficient cleaning and longer service life. High filtration efficiency meeting the 5 mg/m³ or less emissions required to re-circulate the air back into the work place on non hazardous dusts

Features

- Safe-change containment systems are available for both the filter cartridges and discharge system underneath the collector.
- The cartridge change utilizes the safe change filter replacement method while the discharge uses continuous liner technology.
- The Farr Gold Series Camtain is perfect for high efficiency filtration in pharmaceutical manufacturing processes where recovery of the product is not required.
- The only dust collector that is potent compound surrogate tested for validated performance verification. Test report available upon request.



Quad Pulse Package



Advantages

- Economical, space-saving cleaning unit requiring just a single primary filter cartridge
- Cleaning during operation for production process and product quality control
- EN14460:2006 Explosion Resistance Equipment
- Low pressure drop across the filter for energy cost savings
- Camfil pleated filter technology provides exceptional dust release enabling extended filter service life and reduced filter replacement

Application: The Quad Pulse Package compact dust collector provides a cleanable filter system for the pharmaceutical and chemical industries

Type: Dust collector

Compact and strong unit construction incorporates a unique HEPA filter design, with specialized materials from the aerospace industry, providing the following key advantages:

- The Quad Pulse Package HEPA filter captures the fine dust particles and is a tested flame and contamination barrier.
- Additional, expensive explosion safety devices are not required.
- The pressure resistant housing maintains its integrity with no damage during an explosion event.
- Compact unit with flexibility for indoor installation reduces the need for long duct runs.

Quantum Series



Advantages

- Integrated spark arrestor
- Easy to install
- Economical
- Minimum footprint; maximum performance
- Newest pulse cleaning technology

Application: Welding (laser and manual) Laser and plasma cutting Dry machining. Non-explosive fine dust Shot blasting

Type: Dust collector

Installation Options: Fire suppression; Smoke detection; HEPA; Oneside service access.

Description:

The Quantum Series is a compact and powerful, fine dust collector designed for the metal fabrication, thermal cutting and welding markets. The Quantum Series' integrated spark arrestor and improved filter design allows this unit to provide the highest levels of efficiency and safety. Quantum Series product shot facing left. Designed to take up the minimum possible floor space, the Quantum Series can be located close to your processes in order to minimize duct work and reduce fire hazards created by sparks. Built with decades of proven filtration industry knowledge and expertise, the Camfil APC Quantum Series includes design features and high-end technology which has been tested and proven in our range of market-leading dust and fume collectors.

Comment:

Incorporating Camfil APC's advanced filter design, the Quantum Series prevents the common filter failures suffered by competitive collectors. A patent pending filter segmenting and volume displacement design improves pulse cleaning efficiency and reduces the chance for re-entrainment and clogging, while also reducing pulsing energy and noise. A strategically placed and fully integrated spark arrestor allows for higher separation efficiency and smaller footprint.

Spark Arrestor: As sparks can cause poor performance, damage the collector and filter media or present a fire hazard, many dust collectors require an external spark arrestor that is expensive and requires more floor space. The Quantum Series has been designed to avoid these issues. Key Aspects: Integrated in the unit; Cyclonic separation of fine laser dust and metal sparks; Coarse, hot particles collected in separate bin; •1500 m³/h - 6000 m³/h; Unique, patent pending design

Handte EM Profi



Advantages

- Modular, user-friendly design to provide a high-end solution for high-efficiency emulsion (coolant) mist separation
- The highest available collection efficiencies, plus the ability to run "24/7" for reduced maintenance, service ease and lower operating costs
- No Leaks - guaranteed. German engineering and American manufacturing expertise result in premium quality products. We guarantee that our mist collectors will not leak
- Multi-stage Filtration - We consistently achieve high separation performance by designing our filter materials to meet specific needs or to handle a given droplet spectrum. We do this through optimized, flow-engineered, multistage design

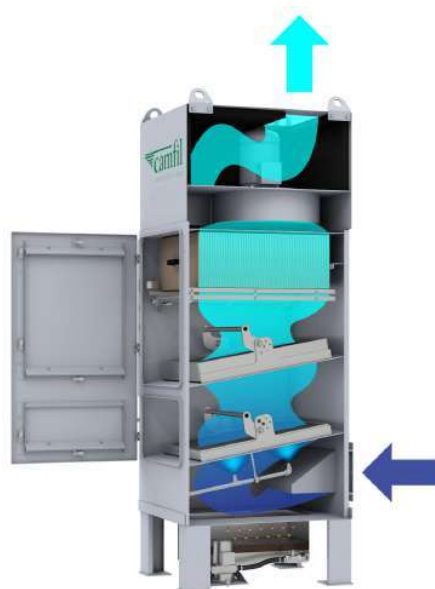
Application: Handles the heaviest loads encountered in the industry to clean up contaminants generated during milling, drilling, tapping, turning, grinding and other machining processes that utilize emulsion mist coolants

Type: Mist Separator

Modular Design: Minimum space requirement, maximum performance. System can be expanded in the future as needed. Short delivery time. Easy transport and installation

Basic Modules: Ground/platform versions with optional return pump station (for recirculating separated fluids). Filter module (contains main and final filter). Connection box for use with an external fan. Connection can be on left, right or rear side. Built-in fan in compact design enclosure with integrated sound insulation. Top mount fan

Product Name	Air Volume m ³ /h	Dimension (WxD) mm	mm	Weight (kg)
Handte EM Profi 3.0	3000	798 x 958	2942	555
Handte EM Profi 4.5	4500	798 x 1208	2102	705
Handte EM Profi 6.0	6000	1548 x 958	2127	850
Handte EM Profi 9.0	9000	1548 x 1208	3461	1625
Handte EM Profi 13.5	13500	2298 x 1208	3525	2139



Handte Oil Expert



Advantages

- Economically efficient separation of ultra-fine cooling liquid mists and fumes
- Collection efficiencies at 99.97% on 0.3 micron and higher particle size with the optional HEPA final filter
- Long-life filters
- 24/7 operation
- Air flow can be adjusted without affecting the collection efficiency
- Operator-friendly due to low-maintenance design
- Tool-free filter changes with quick-acting clamps
- Optional clean air recirculation
- Plug-and-play delivery

Type: Mist Separator

Progressive filtration design: The progressive design of ascending filter classes provides the highest filtration efficiency available in the industry. This includes the coarse separator mesh for high contamination, the standard CoaPack diffusion filter as a preliminary filter, a fine filter and the optional downstream final stage filter. This design makes it possible to configure the system for simple applications or for highly complex requirements such as clean air recirculation. This is especially true for ultra-fine mists and fumes generated in the course of high-performance machining

Modular design for flexible configuration: The compact, modular design of the Handte Oil Expert provides for easy, efficient adaptation to specific requirements and installation situations. It is available in four standardized basic modules with different air capacities, which can be combined in a large central system. State-of-the-art technology enables flexible adjustment for system conversions or expansion as production requirements increase

Innovative filter media: The unique structure of the standard CoaPack filter material combines premium separation performance with self-cleaning features via optimum drainage of the separated cooling lubricant. This ensures extremely long filter life of the optional HEPA final filter

Easy filter change for simple, clean maintenance: The operation of the Handte Oil Expert is practically maintenance free. When infrequent filter changes are needed, the change-out is clean, easy and requires no tools. The closed filter cassettes can be removed without being exposed to the oil coated filter materials

Customizable: By combining different basic modules, it is possible to design economically efficient central extraction systems for each requirement capable of air volumes of 41,000 cfm or more. The modular concept of the Handte Oil Expert provides for smooth, cost-efficient production conversions or extensions during ongoing operation

With increasing production in modern manufacturing, energy consumption continues to grow, particularly in machining processes where cooling lubricants are used. As a result, there are higher demands for the separation of ultra-fine mists and fumes. Worker safety, production efficiency and capital equipment protection cannot be compromised. The Handte Oil Expert provides for optimum results even under the most challenging conditions.

Product Name	Air Volume m ³ /h	Dimension (WxD) mm	mm	Weight (kg)
Handte Oil Expert 3.0	3000	770 x 1190	2900 - 3900	1075
Handte Oil Expert 4.5	4500	770 x 1735	3050 - 4200	1420
Handte Oil Expert 6.0	6000	1240 x 1190	3020 - 4380	1745
Handte Oil Expert 9.0	9000	1240 x 1190	3035 - 4620	2585
Handte Oil Expert 13.5	13500	1784 x 1735	3400 - 4620	3895

Handte Wet Scrubbers



Advantages

- No filter elements required
- The safest solution when dealing with flammable/combustible materials
- Universal applications
- High-level separation combined with safe operating technique
- Low-maintenance

Application: The Handte Vortex and Handte Venturi wet scrubber systems provide high-efficiency and low-maintenance removal of dusts and other hazardous substances from the workplace

Type: Wet Scrubber

Handte wet scrubbers are for applications where hazardous substances are in production processes. Examples:

- Steam: Washing machines, waste treatment, soldering, die-casting machines, releasing agents, paint vapors, cooling aggregates, spark discharge material removal machines, paint-stripping units, electro-plating units, lead production, electro-galvanizing plants, foundries
- Aluminum magnesium dust: Minimal lubrication, grit production, chip removal, de-burring, brushing, separating, finishing processes, forging processes, grinding and polishing
- Aluminum magnesium chippings: Drilling, machining, rough machining, sawing, de-burring, forming processes, recycling systems
- Rubber/leather/plastic fines: Shoe manufacturing, tire re-treading, plastics processing, foils
- Production, extruders, modeling, textiles manufacturing
- Fibers/fluff/textile dust: Polishing processes, paper machines, waste sorting systems, textile processing, recycling plants, insulation material production, asbestos abatement, food processing, grain processing
- Sticky powders: Pharmaceutical processes, manufacturing of food, animal feed, dyes, mold and die manufacturing, printing machines, tire and chip production, adhesive applications, textile finishing, mixing and conveying plants, plastics processing, ceramic coating

Zephyr III™ Portables



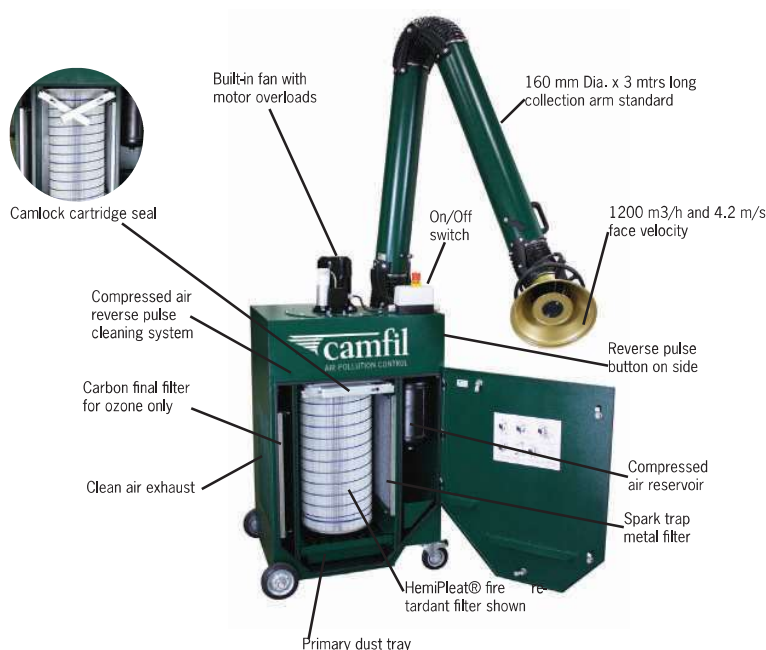
Advantages

- Portable air purification system
- Ideal for industrial process contamination, source capture, and for plants requiring periodic dust collection at various locations
- Complete unit-plug it in and start collecting dust and fumes
- Portable
- The only thing you need to supply is the electrical feed and compressed air line

Application: The Zephyr is a portable air cleaner for capturing welding fumes, grinding dusts, dry dusts, and soldering fumes, and other airborne particles. Not suitable for explosive dusts & solvent fumes.

Features

- Roll out dust drawer
- Quick clamp cartridge sealing/removal
- Exterior arm adjustments
- Heavy duty fume arm is obstruction free inside
- Easy, 360° hood positioning
- 1200 m³/h at the capture hood
- Three stage filtration: Primary spark trap, Gold Cone® HemiPleat® and Carbon after filter for ozone only
- Large wheels with swivels and brakes for ease in moving and positioning
- Tough powder coated surface finish inside and outside
- Venturi assisted pulse cleaning, manually activated
- Dust drawer grid minimizes dust re-entrainment
- Thermal overload in motor starter switch
- 7.5 m extension cord
- The only thing you need to supply is the electrical feed and compressed air line



HemiPleat® Gold Cone™



Advantages

- Original spare for Farr Gold Series® dust collectors
- Vertically integrated cartridge for better dust release and ease of removal and installation
- Excellent energy saving performance
- Extended Filter Life
- High Filtration Efficiency
- Pour in place one piece double gasket

Application: Air Pollution Control filter cartridge to collect dust, fumes and/or oil mist in many different industrial applications and processes

Type: Pleated Cylinder

Gasket: Polyurethane, endless foamed

Separator: HemiPleat Separator Technology

Sealant: Polyurethane

Temperature max: 70° Operating

Mounting/Frames: Internal GV support cage

Filter Class: M

- Featuring an injection molded inner 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.
- The new PolyTech™ media is the most advanced pulse-cleaned media ever made, and now comes standard with a moisture resistant treatment for high humidity resistance.
- Continuous double seal gaskets give added insurance against leaks. No other filter design gives you a double seal barrier.
- The separation beads, NOT the media beads, contact the inner cage, protecting the media from frictional damage.
- The HemiPleat separator bead opens up the pleats uniformly, allowing more effective cleaning and lower pressure drop.

Art. No.	Model Name	Length (mm)	Diameter (mm)	Media area (m²)	Weight (kg)	Media Type
325325-001	GS-GR-325	990	381	30.20	15	Standard Green
325325-002	GS-FR-325	990	381	30.20	15	Fire Retardant
325325-003	GS-CB-325	990	381	30.20	15	Carbon Impregnated
325325-004	GS-XG-325	990	381	30.20	15	eXtreme Green
325325-005	GS-XF-325	990	381	30.20	15	eXtreme Fire Retardant
325325-006	GS-XC-325	990	381	30.20	15	eXtreme Carbon Impregnated
325325-007	GS-SY-325	990	381	30.20	15	Synthetic
325325-008	GS-XS-325	990	381	30.20	15	eXtreme Synthetic

Dura-Pleat® Gold Cone®



Advantages

- Meets widest range of tough application challenges; handles difficult dusts
- Washable media may be resused in many applications
- Exceptionally rugged, long-lasting
- Vertically integrated cartridge for better dust release and ease of removal and installation

Application: Dura-Pleat media is made of 100% spun bond polyester in a pleated design that combines the best of both worlds: the high efficiency of pleated media and the versatility of synthetic materials. Filter cartridges with Dura-Pleat technology capture and release more pollutants when pulsed, resulting in a safer, cleaner work environment with less maintenance.

Media Options

DPS - Dura-Pleat

Our spun-bonded, heavy-duty, all-purpose polyester media.

DPA - Aluminized

Our Dura-Pleat media with a conductive aluminized finish applied for static dissipation.

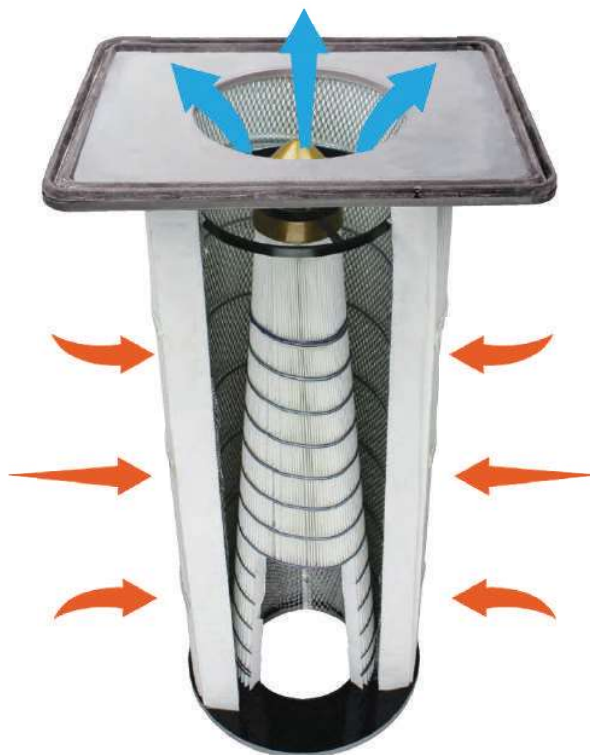
DPO - Hydro-Oleophobic

Our Dura-Pleat media coated with an oil and water repellent finish.

DPT - PTFE

Our Dura-Pleat media with a laminated polytetrafluoroethylene (PTFE) membrane for very high efficiencies of fine particulate and superior dust cake release.

Dura-Pleat filters are rated MERV 10 up to MERV 16 (PTFE).



HemiPleat® Retrofit



Advantages

- Less energy consumption
- Fewer filter change outs
- Better dust release
- Lower pressure drop
- Saving you money
- Longer filter life

Application: Synthetic beads are applied to our media in order to achieve even and open spacing. The open pleats create topmost utilization of media area resulting in longer lasting and highly efficient filter cartridges.

Camfil APC filter cartridges with HemiPleat technology have sizable dust loading capacity and allow for maximum dust release when pulsed. These industry superior characteristics result in a cleaner, safer and lower maintenance work environment.

Media Options

GR — Green

Our own blend of fibers with a moisture resistant treatment for the best dust release, long filter life and high filtration efficiencies.

FR — Flame Retardant

Our own blend of fibers, chemically treated with a flame retardant.

FC - FR Carbon Impregnated

Our own blend of fibers, impregnated with carbon for static dissipation and chemically treated with a flame retardant.

SY — Synthetic

A lightweight, washable polyester media.

HemiPleat filters are rated MERV 10 and higher.

HemiPleat High Efficiency filters are available for the GR, FR, and FC media options. A microfiber synthetic melt blown laminate is applied to the surface of the base media for high filtration efficiencies and are rated MERV 16.



Oval Retrofit



Advantages

- Low pressure drop
- Extended filter life
- High Filtration efficiency
- Direct fit replacement

Application & Dust Type

- Wood & paper dust
- Talc & cornstarch
- Sand & shot blasting
- Foundry sand
- Sanding dust
- Thermal spray
- Welding & soldering
- Fumed silica dust
- Steel grinding
- Laser cutting
- PVC dust
- Carbon black
- Toner dust

Media Options

FC — FR Carbon Impregnated

Our own blend of fibers, impregnated with carbon for static dissipation and chemically treated with a flame retardant.

XF — eXtreme Flame Retardant

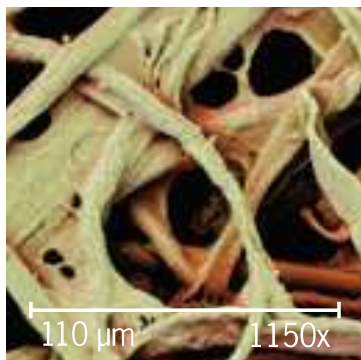
Our own blend of fibers, chemically treated with a flame retardant with the proprietary coating of nanofibers to yield the market's most superior filtration and cleanability with an efficiency of 99.995% on 0.5 microns and larger by weight.

XFC — XFC - eXtreme Flame Retardant Carbon Impregnated

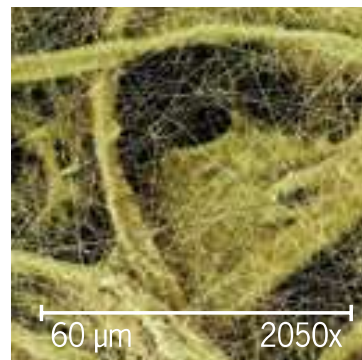
Blended media impregnated with carbon for static dissipation, chemically treated with a flame retardant, and coated with nanofibers for superior filtration and cleanability.

Efficiency for eXtreme Media:

ASHRAE 52.2: MERV 15 Filter Class M, in accordance to independent test to DIN EN 60335-2-69:2016



Camfil APC's Filter Media



Camfil APC's Filter Media with eXtreme coating