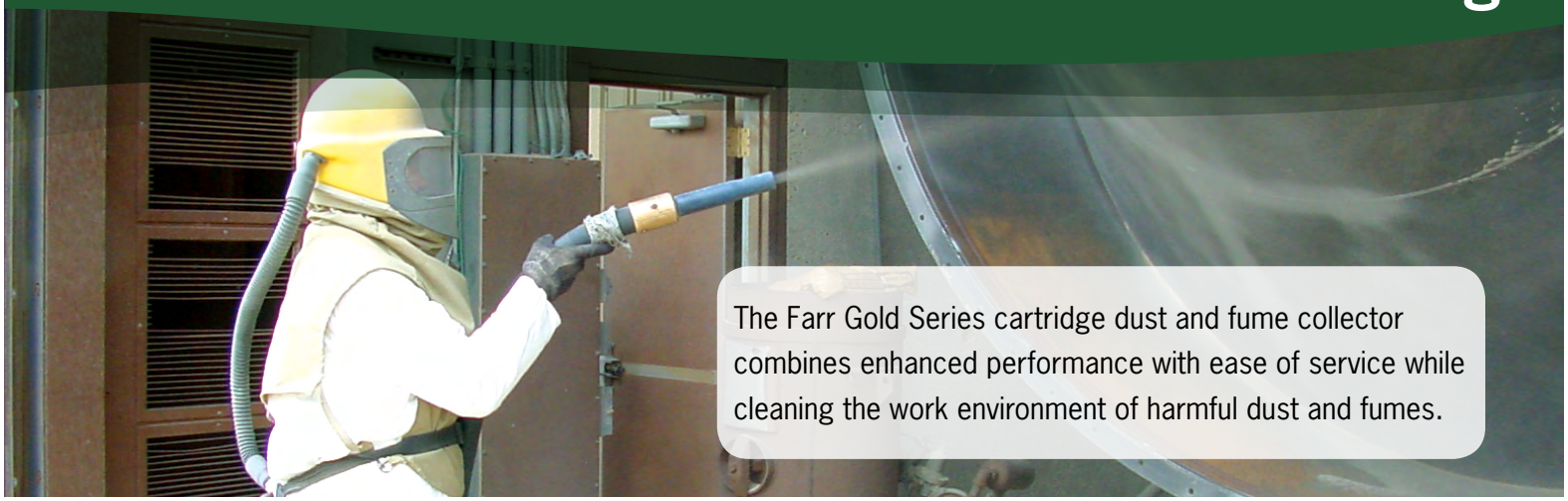
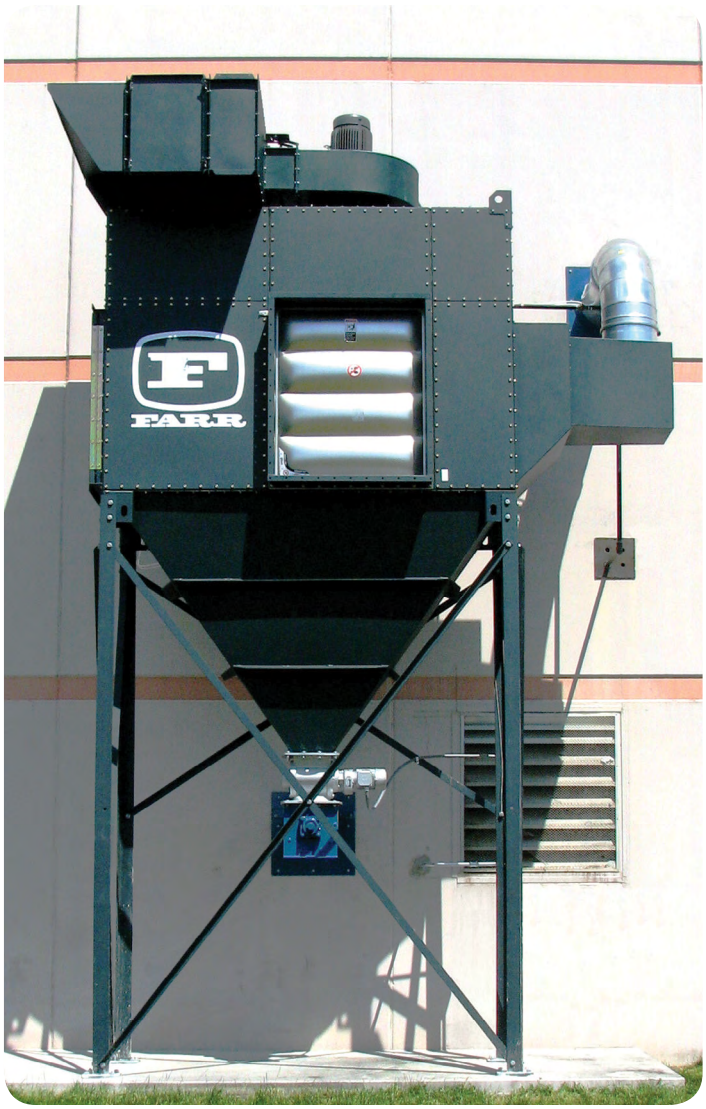
camfil
AIR POLLUTION CONTROL

Focus on **Blasting**



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



THE CHALLENGE

- High-entry, cross-flow, inlet eliminates upward can velocities that can hold fine powder up in the filters, reducing re-entrainment of the fine particles.
- High efficiency filters stop 99.99% (at 0.5µ) of the dust!
- Specially treated filter media repels fine particles for lower pressure drop and long filter life.
- Gold Cone provides 25% more media for long service life.

BLASTING APPLICATIONS

- Blasting is a very diverse market made up of wheel blasters, air blasters and cabinet blasters. The blasting media also varies widely from sand, steel, plastic, slag and various shot. This document focuses on wheel blasting and large blast rooms. Camfil APC has over 600 Farr Gold Series on these applications and numerous Tenkays.

SAFETY CONSIDERATIONS

- When blasting aluminum, extra safety precautions must be taken. The collector must be outside and have explosion vents, fire retardant cartridges and sprinklers. No ferrous materials can be mixed with a dust collector filtering aluminum dust. If any other flammable materials are being blasted, then consult our factory for extra safety precautions.
- When recirculating air, precautions should be taken to meet all OSHA and government guidelines. In many cases, a safety monitoring after filter is required.
- Extra caution should be taken when blasting with silica sand to protect workers from airborne silica dust.

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GS60 on blasting at National AL Railcar

SIZING RECOMMENDATIONS

Wheel blasting generates a very concentrated dust stream compared to room air blasting. The blasting media is usually steel shot. The dust that makes it to the dust collector is a combination of carbon mill scale, steel powder and rust. The density is several hundred pounds per cubic foot. When cleaning carbon steel, an FGS with HemiPleat cartridges can run about 1:5 to 2:1 AC ratio. If the process runs 24 hours a day, then it should be around 1.5:1. We also recommend the abrasive resistant inlet option to extend filter life. When blasting stainless steel, we recommend staying at or below 1.5:1. Consult factory if blasting anything unusual like plastic or specialty alloys. These materials may be flammable and extra precautions are needed. Also, adequate ventilation of the blast chamber is required or overheating can occur quickly. When applying a dust collector on this application, you must make sure the minimum airflow is maintained to keep the air stream under 150 deg. F.

Room air blasting - Sand or grit blasting AC ratios can be up around 3:1 for most applications. There is much more dilution air compared to wheel blasting. Temperature is also generally not a concern.

The main caution is blasting aluminum. Extra safety precautions must be taken like explosion venting and installing the collector outside.

GS32 on blasting at Bisalloy Steel

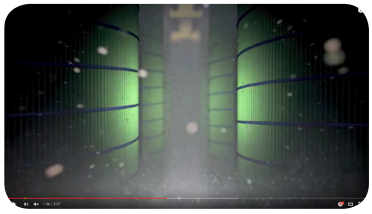
HEMIPLEAT® FILTERS WILL IMPROVE THE PERFORMANCE OF ANY CARTRIDGE DUST COLLECTOR. **GUARANTEED.**

Power up your dust collector with HemiPleat. 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 particle by weight.

Gold Cone Technology

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, reducing the required number of filters by at least a third. The design also promotes long filter life with low pressure drop.

Video: The Spirit of Camfil APC



Got dust or fumes in your workplace? Hold on because you're about to take a virtual ride and fly through a Farr Gold Series industrial dust collector. See how it works and how it can help you clean up your factory.

Camfil APC
www.camfilapc.com • e-mail: filterman@camfil.com
Factories in the United States, United Kingdom, Germany, Czech Republic and China