

# BLASTING

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.



Wheel Blaster

## Benefits of the Gold Series Collector

- 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.
- Vertically arranged filters shed all the metal particulate - vs. horizontal filters which allow the metal 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 particle for lower pressure drop and long filter life.
- Gold Cone provides 25% more media for long service life.

“We were surprised how compact the **Gold Series** was for how much air we are pumping through it. After two years in service the GS60 is working great and still has the original set of filters in it.”

—Dave Sweere, DMI Industries

## Gold Series on 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. Farr APC has over 100 **Gold Series** on these applications and numerous Tenkays.

## Safety Considerations

When blasting aluminum extra safety precautions must be taken. The collector must be outside with explosion vents, fire retardant cartridges, and sprinklers. No ferrous blasting or ferrous materials can be mixed with a dust collector filtering aluminum dust. If any other flammable materials are being blasted, then consult 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 air born silica dust.



Room Air Blasting



**FARR**  
Air Pollution Control



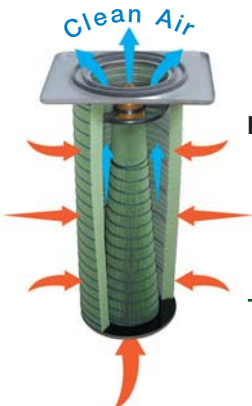
Farr APC is a proud member of the Camfil Farr family.

<a href="http://www.farrapc.com">www.farrapc.com</a>	Application Focus
<b>BLASTING</b>	
SAFE AIR FOR A SAFE WORK ENVIRONMENT	



GS 48 on RR Car Sand Blasting

—The **Gold Series** has proven itself to work very well on difficult Laser and Plasma Cutting applications. The Gold Series works on applications where most other dust collectors have failed.



**Key benefits:**

- High filtration efficiency
- Excellent energy performance
- Long element life

**Gold Cone Cartridge**

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.

**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, a GS with Hemipleat cartridges can run about 1.5 to 2:1 AC ratio. If the process runs 24 hours a day, then you should be around 1.5:1. We also recommend the abrasive resistant inlet option to extend filter life. When blasting SS, 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** - When 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 x-venting and placing the collector outside.



GS 60 on Sand Blasting

**BLASTING APPLICATION FOCUS USERS**

Automation Engineering & MFG.  
S.A.F.E. Systems, Inc.  
3M Company  
George Welding, Inc.  
FT. Wayne Foundry  
Industrial Air Systems

ATMI, Inc.  
Mercades  
Martin Sproket & Gear Inc.  
CMV Fabrication  
Steel Service Corp.  
Steel Fab, Inc.  
Valmont Industries

J. Ray MC Dermott, Inc.  
Northrup Grumman  
Oilfield Electric Marine  
Brazos Valve Service, Inc.  
Russel Metals  
Brunnquell Iron Works  
Burlingame Sheet Metal

**REFERENCES**

Blastec • Joe Everett • 770-475-2700  
Blastpro • Richard Witt • 859-567-5902

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



**FARR**

**Air Pollution Control**

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

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