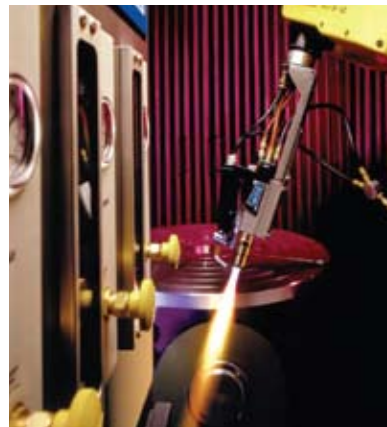


THERMAL SPRAY

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.



Wire Flame Spray



HVOF Thermal Spray



Twin wire Electric Arc Spraying

Types of Thermal Sprays:

- Electric Arc Wire (EAW) Spraying
- Flame Spray Powder or Wire
- HVOF & HVOF
- Plasma Spraying
- Cold Spray

Because of the various types of thermal spray applications and their effects on the operation of dust collectors, it is important to identify your specific thermal spray operation. Each process involves different shaped and sized particulate along with varying loads. Additionally, strict safety procedures need to be addressed as certain thermal spray operations can be explosive and/or flammable. Let Camfil Farr APC's expertise in this application help you to put in a safe dust removal system.

www.farrapc.com	Application Focus
THERMAL SPRAY	
SAFE AIR FOR A SAFE WORK ENVIRONMENT	



GS32 on HVOF and plasma spraying



Two GS40's on Thermal Spray

Sizing Recommendations

With thermal spray applications, proper information gathering of the specific application is crucial since there are many different types of processes and material coatings, most all of which will react differently inside the dust collector. Although there are different powders used in plasma spray for example, the process results in generally spherical shaped particulate and consistent in size at around three microns making it fairly easy to capture.

With the Camfil Farr APC Gold Series® vertical cartridge collector, plasma spray and powder applications are generally sized at a conservative air-to-cloth (A/C) ratio with HemiPleat® fire retardant cartridges. Electric Arc Wire (EAW) Spray on the other hand has proven to be a real challenge. This dust is very fine (mostly sub-micron) and is inconsistent in shape. This seems to be true of the process itself no matter what type of wire is being used.

It is also important to note that certain hazardous powders and metals (such as nickle and chromium) will require safety after-filters when discharging to atmosphere. Please work with Camfil Farr APC application engineers to insure the correct information is understood and proper sizing is accomplished.



Key Benefits:

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

Gold Cone® Cartridge

Camfil Farr APC HemiPleat® 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.

080510

Thermal Application Focus Users

HAI
Parker Hannifin
Praxair
Pamarco
Flame Spray Inc.
Wall Colmonoy Corp.

Solar
Bender Machine
Plasma Coating Corp.
CDF Coating Services
F.W. Gartner Thermal Spraying Co.



AIR POLLUTION CONTROL

800-479-6801

www.farrapc.com

870-933-8048 Jonesboro, AR
email: filterman@farrapc.com



REFERENCES

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Pamarco • Dave Drozd • Plant Manager • 404-691-1700 Ext. 12

Find out today why the Gold Series® is praised
as the ultimate choice for a clean workplace.

Visit www.camfilfarrapc.com for offices out of North America.