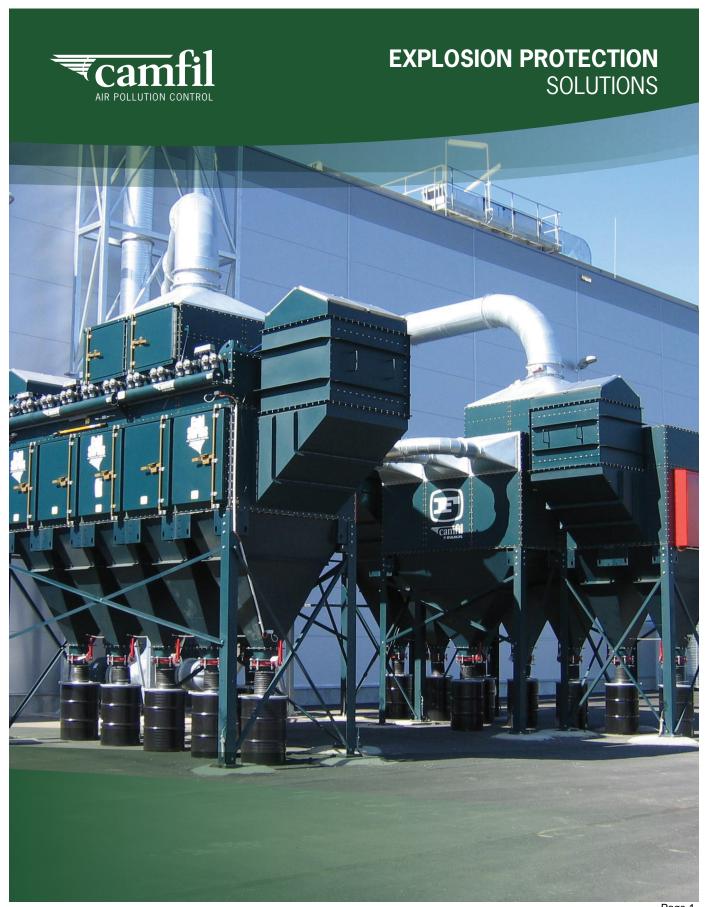
ENVIRONMENTAL ABRASIVES

Sandblasting Equipment, Media, Sales & Service

www.enviroabrasives.com (208) 947-1351 | Boise, Idaho



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Outlet Protection

Integrated Safety Monitoring Filter (Patent Pending)

Ensure a safe workplace for your employees.

and 654-2013 for Combustible Dusts.

The iSMF has been proven to isolate the downstream equipment from the progression of a flame front during an explosion. The Farr Gold Series® dust collector with an integrated Safety Monitoring Filter allows you to recirculate exhaust air back into the work space when your dust is explosive. The key advantage of this device is that it prevents the transmission of explosive dust (fuel) from the collector.

Explosion Venting

Explosion Vent

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

Flameless Vent

Designed to install over a standard explosion 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 secondary explosions.

Chemical Suppression

Designed to react within milliseconds of detecting an explosion, a chemical suppression system is installed in the collectors dirty air section.

The chemical suppression system prevents expanding a deflagration by releasing a chemical agent.

workspace/process.

Inlet/Outlet Chemical Isolation

Designed to react within

milliseconds of detecting an

inlet and/or outlet ducting.

explosion, a chemical isolation

The chemical isolation system creates a chemical barrier

that suppresses the explosion within the ducting, reduces the propagation of flame through

connected process equipment.

the ducting and minimizes

pressure increases within

system can be installed in either

Detect and Suppress

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.

The purpose of the Stinger is to prevent a deflagration

from traveling back down the inlet pipe back into the

(explosion) that could occur in the dust collector

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