WE FIRE™

www.wepune.co.in

Dust Collector Applications

Critical Equipment Fire Suppression Systems

"A fire outbreak can catch you offguard when least expected.
Your electrical panels are highly vulnerable to a fire outbreak."

REDUCE YOUR INSURANCE PREMIUM ON CAPITAL GOODS

Causes of Fire

The production of flammable dust or mist is a common byproduct of many manufacturing processes. Dust is produced by various cutting, grinding, coating and sanding operations used in the pharmaceutical, chemical, petrochemical, food, agricultural and many other industries.

Collecting and containing dust is essential for maintaining a healthy and safe workplace. However, dust can be a fire risk. Sparks generated by the manufacturing process can ignite highly flammable dust inside the collector, as can smoldering debris or burning material drawn in through the ventilation system. Other sources of ignition include overheating motors, coils and bearings, friction, static discharge and for many types of dust, spontaneous combustion.

A dust collector fire can result in serious financial and operat-ion al consequences. Equipment repairs, damage to plant facilities, loss of revenues due to unscheduled downtime, increased insurance premiums and the risk to plant personnel are just a few of the costs associated with a fire event.

Causing

- Business downtime
- Production loss
- Revenue loss
- Infrastructure loss
- Loss of human life

Extinguish The Fire Right From Where It Is Originated

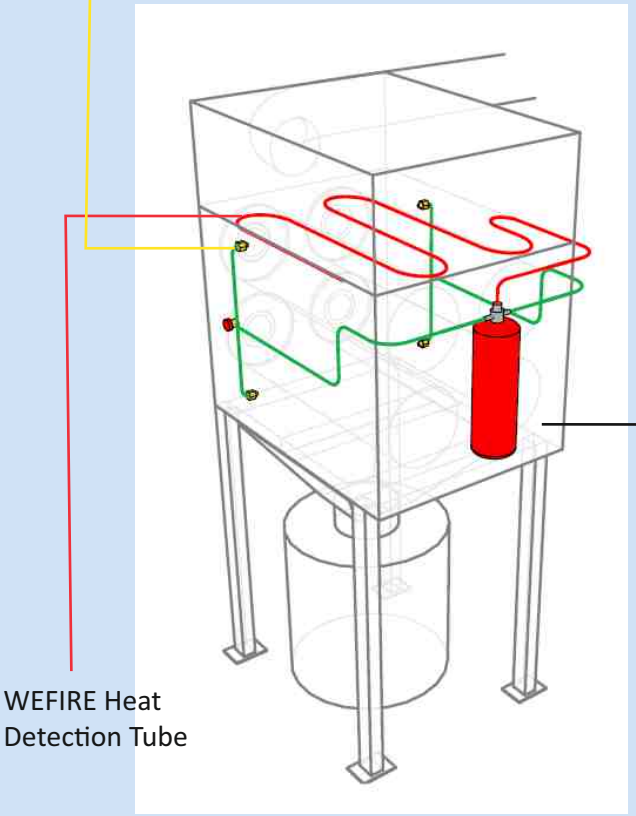
WEFIRE Solution

WEFIRE™ offers a unique solution for protecting dust collectors against the threat of fires. The WEFIRE™ system utilizes flexible, pressurized detection tubing that can be easily routed inside the collector and through the ventilation ductwork.

The tubing, which functions as a multipoint linear heat sensor, is designed to burst when exposed to a fire's radiant heat, triggering the release of the fire extinguishing agent. Because the tubing is located inside the collector and duct work – right where a fire starts- fire detection and suppression is quick

Working principle:

WEFIRE™ can provide a pre-engineered fire detection and suppression system to protect most common dust collector systems.
For the majority of dust applications a WEFIRE™ Clean agent based system will provide optimal results. The flexible red pressurized detection tubing is routed across the air intake, throughout the interior of the dust, and out through the ventilation ductwork. This provides a full 360 degrees of fire detection and suppression for the collector as well as the assurance that a fire will not propagate through the ventilation ductwork where it can spread to the building's structure.
Strategically placed nozzles deliver a high volume of gas designed to effectively knock down a fire within the collector and follow the airflow through the ductwork to catch a spreading fire.
A pressure switch is available that can provide multiple functions such as automatically switching off the fan to stop the supply of fresh air; closing electrically activated sliding valves in the ductwork; and triggering audible/ visible alarms or the building's main alarm if available. collector applications.



Focus on providing supplementary protection, capable of suppressing fire before it can engulf larger rooms triggering the activation of conventional fire fighting systems such as sprinklers.

Advantages

- ★ No clean up in the equipment required post gas discharge
- ★ ZERO maintenance
- ★ Can be integrated with BMS, Fire alarm system, SCADA

Simple & uncluttered design

Quick detection

Turnaround time

No electricity

Un-supervised protection

WEFIRE™, a brand owned by Warrier Electronics® has the experience of installing several hundreds of WEFIRE™ critical component fire suppression systems across India and parts of Malaysia.

Established in the year 2010 in Pune (India), a period when start-ups were looked at ambiguously, Warrier Electronics® did not just survive, but thrived and achieved various growth milestones from being a sub-dealer to dealer to distributor to manufacturer within a decade; and has become the default choice of various OEM's for WEFIRE™ critical equipment fire suppression systems, serving across India.

At the heart of the company, lies its core values viz Excellence, Innovation, Integrity and Respect. These values not only translate into a niche & reliable end product, but also in the way its team reciprocates to client needs at every step. A company is only as good as its people & product; and its product reflects the quality, intelligence and excellence of its people!

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BEST METAL CUTTING BRANDS 2019

Warrier Electronics
"Sticker House"
180/1, Ravet, Ganesh Nagar,
MIDC Road, Dehuroad,
Pune-412101.

+91 8806 44 99 00
info@wepune.co.in
www.wepune.co.in

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