



DUST SUPPRESSION & CONTROL SPECIALISTS

Introducing Dry Fog Dust Suppression

The use of Dry Fog for dust suppression is based on the concept of agglomeration. Dry Fog technology uses compressed air and plain water to create micron sized droplets. When like-sized droplets and dust particles collide, agglomeration occurs which results in larger particles that fall back into the process by gravity because they are too heavy to remain suspended in the air.

Our technology uses air atomizing nozzles that produce water droplets 10 micron or less. These ultra-fine water droplets add less than 0.1 percent of moisture by weight and attach to like size dust particles and drop them back into the processes.

KEY BENEFITS

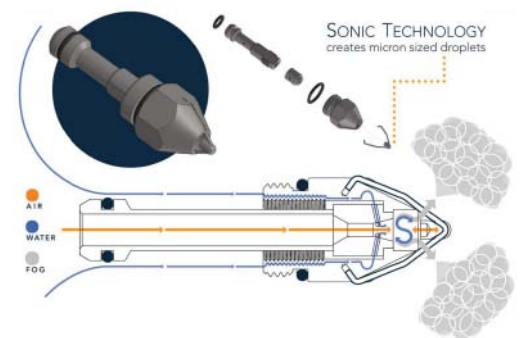
- Easy of installation
- Simplified maintenance
- Flexible system configuration
- More cost affordable than ventilation or chemical type systems



Dry Fog Theory

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To achieve agglomeration at the dust source, equal amounts of like sized particles of water droplets and dust particles must exist and they must be contained in an enclosed area. At the treatment point, fog droplets are used to blanket the dust source and prevent the dust particles from becoming airborne.



Applications

- Conveyor transfer points
- Crushers
- Railcar loading/unloading
- Trippers
- Screens
- Ship loaders-unloaders
- Reclaimers
- Truck dumps
- Silo discharge chutes

