

Wet Dust Collector Operation, Applications and Advantages

Wet Dust Collector Operation

Wet Dust Collectors are designed for the capture of wet-able and sinkable contaminants at a nominal efficiency of 99% at 5 micron. The centrifugal force caused by the rapid changes in airflow direction forces the dust particles to penetrate the water and become entrapped. The entrapped dust by gravity forces will settle to the bottom of the wet collector where it can be removed manually, by automatic sludge conveyor or cyclone technology. Units are plug and play and pre-wired and pre-tested at the factory.

Applications of Wet Dust Collectors

Wet Dust Collectors are safe dust collection for combustible dust generated from a variety of manufacturing processes. Examples include: buffing, grinding, machining, polishing, sanding and sawing on metals or metal alloys producing combustible powder or dust as well as operations that create heavy sparks, such as the cutting, grinding, air arcing and gouging of various types of steel.

Advantages of Wet Dust Collectors

Wet Dust Collectors compliant with OSHA and NFPA regulations for dust removal systems located inside the building. Wet dust collectors provide significant cost saving by cleaning and re-circulating heated and cooled air rather than exhausting the air outside the plant. Three choices are available: ducted collector, downdraft table or booth. Wet collectors are available in a broad range of sizes and CFM as ducted, single or double (back-to-back) downdraft tables and dust collection booths. Stainless steel construction and custom design is also available.

For additional information please call us today: 800-264-8958

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