

Choosing the appropriate dust control solution for your application is critical for environmental compliance, health and safety, and plant cleanliness.

MCCOY

MCCOY DC 300

DUST COLLECTOR WITH JET PULSE CLEANING

McCoy brings you the latest in total dust control.

What is fine particulate matter?

Particulate matter is characterized according to size - mainly because of the different health effects associated with particles of different diameters. Particulate matter is the general term used for a mixture of solid particles and liquid droplets in the air. It includes aerosols, smoke, fumes, dust, ash and pollen. Fine particulate matter is particulate matter that is 2.5 microns in diameter and less. It is also known as PM_{2.5} or respirable particles because it penetrates the respiratory system further than larger particles.

What are the sources of fine particulate matter?

- Aggregate transfer
- Sand transfer
- Cement unloading to elevated storage silo
- Cement Supplement unloading to elevated storage silo
- Weigh hopper loading
- Mixer loading
- Truck loading
- Wind erosion from aggregate and sand storage piles.

What are the effects of fine particulate matter?

The greatest effect on health is from particles 2.5 microns or less in diameter. Exposure to fine particulate matter has been associated with hospital admissions and several serious health effects, including premature death.

Fine particulate matter is also responsible for environmental effects such as corrosion, soiling, damage to vegetation and reduced visibility.

Most of this information has been taken from the Ontario Ministry of Environment website.

To read the full article please visit www.airqualityontario.com/science/pollutants/particulates.cfm



Designed and built by McCoy Equipment this versatile dust collector is an ideal solution for workstations and smaller applications.

By using a powerful and efficient 297 CFM blower, and steel reinforced pleated polyester filters we have created a high performance filter for many applications.

The pneumatic reverse flow pulse jet cleaning assures long life and unattended operation with no mechanical vibrators or motorized agitation.

INCLUDES

- Galvanized steel/stainless steel with optional fully stainless steel construction.
- Single 280 CFM capacity pleated polyester filter.
- Footprint= 34" X 18.5", Weight= 75lbs
- 297 CFM vacuum blower c/w 3450 RPM, ½ HP, 480 or 600 V 3 phase motor and TEFC enclosure
- Maintenance-free air jet cleaning unit integrated inside weather protection cover.
- Mounting frame

OPTIONS

- Various air stream connection options available to suit application.

FEATURES AND BENEFITS

- Filter media has Metal top construction and Dual Seamless Seal (DSS) design allows for a superior fit and dust-tight seal to prohibit tube sheet leaks.
- Metal top can also withstand higher operating temperatures versus urethane tops, which can rot and split.
- Pleat+Plus® filter element facilitates higher throughputs, longer life, and higher efficiencies than Baghouse systems.
- Pleat+Plus® filter elements can reach filtering efficiencies of 99.99362% for PM_{2.5}
- Wide and shallow pleat design improves dust cake release.
- Pulse jet valve with on/off duration timer, requires 120 VAC for duration of cleaning cycle
- The duct connection on the base will easily accommodate whatever is required at the inlet. Options include 12" down to 4" duct, various T or Y connections, a storage hopper inlet etc.