



## For wet-type dust collectors, NFPA 484 summarizes:

- The dust collector shall be arranged so that the dust laden air stream is thoroughly scrubbed by the liquid to achieve the desired efficiency
- The use of additional dry filter medium, either downstream or combined with a wet collector, shall not be permitted
- The dust collector shall be arranged so that contact between dust particles and parts moving at high speed is prevented (Fan must be located on clean air side)
- The exhaust vent shall terminate outside the building and be securely fastened
  - The duct shall be as short and straight as possible and shall be designed to withstand the same explosion pressure as the wet-type dust collector
  - The exhaust vent shall be inspected and cleaned to prevent buildup of highly combustible deposits of metal dusts on the interior surfaces of the duct
  - Cleaned air shall be permitted to be returned to the work area where tests conducted by an approved testing organization prove the collector's efficiency is great enough to provide both personnel and property safety in the particular installation, with regard to particulate matter in the cleaned air and accumulations of particulate matter or hydrogen in the work area
- Sludge shall be removed from the collector on a regular schedule
  - The sump of water wet-type dust collectors shall be ventilated from the top of the collector at all times.

## Standard Features:

- No high-pressure nozzles, filters or media to service
- Highest removal efficiency with very low energy consumption
- Heavy-duty welded construction
- Constructed of stainless steel or carbon steel
- Front and rear service panels for easy access
- Guaranteed lowest energy consumption per cfm
- Fully automated controlled unit
- Manufactured in any size or shape to fit your plant layout
- Available in sizes ranging from 800 cfm to 50,000 cfm

## Options:

- Flexible configuration
- Optional material collection bin
- Automatic sludge removal system with no filters to replace

**Call our helpful specialist to discuss your combustible dust application**

\*Design subject to change without notice due to continued research and improvements

**AIR DYNAMICS INDUSTRIAL SYSTEMS CORPORATION**

300 North Queen Street, York, PA 17403 USA

Email: [sales@airdynamics.net](mailto:sales@airdynamics.net)

TEL: 717-854-4050

FAX: 717-854-4020

• Pollution Control Systems • Industrial Vacuum Systems • Oil Mist Collection Systems

Check out our full feature website at [www.airdynamics.net](http://www.airdynamics.net)