

WET DUST COLLECTION BOOTH

Engineered & Manufactured to any size by Diversitech



Sanding



Grinding



Deburring

Diversitech's Wet Dust Collection Booth offers a simple, customizable and turnkey solution to handle combustible dust collection for larger work pieces. The stainless steel Wet Dust Collectors serve as the booth's filtration system, and range in size from 3000CFM, 5000CFM, and 6500CFM units. A standard auto-level water control system works to reduce maintenance and increase your production uptime.

Once the booth is installed, dust, and other airborne contaminants are safely drawn to the back of the booth, away from the operator's respiratory zone. For applications involving combustible dusts such as magnesium, the collectors can be set-up to vent hydrogen gas outside of your facility as the metal oxidizes in water.

Features:

- Wet Collector Stainless steel construction
- Auto-level Water Control System
- Low cost Mist Eliminator Filters

Options:

- Dust-proof Light Kits
- Sludge Removal Vacuum with Hose & Drum
- Self-cleaning strainer system to remove dust and sludge

Benefits:

- Customizable and modular, makes for versatile workspaces
- Capture-at-source for Cleaner Air
- Complies with NFPA guidelines for controlling combustible dust





How The Wet Dust Collector Works

Dust-laden air enters the scrubber and is run through an aqueous bed of water and a series of internal baffles to filter the combustible dust via engineered water streams. Dust is contained in the bottom of the collector for safe removal at necessary maintenance intervals. Water levels are automatically controlled with valves and sensors, including interlock functions to meet NFPA and OSHA codes.

Dimensions **

Model	Item No.	Inlet Collar Diameter (in.)	Product Dimensions (in.)			Water	
			Length [b]	Height [C]	Width [d]	Supply (in.)	Drain (in.)
WX-5000	---	16	61	117	57	1/2" NPT	1 1/2" NPT
EB-SINGLE-BDH	10019471	---	94	127	90	---	---
EB-MOD-BDH	10019469	---	94	127	90+87	---	---

** Product dimensions are based on base-models and may vary depending on selected product features. Please contact us for an accurate shipping quote.

1. Water Level is marked on each unit.

Technical Specifications

Model	Water Fill System	Nominal Airflow (CFM)	Tank Capacity (Gallons)	Motor (H.P.)	Power				Noise @5ft. (dB)
					Phase (hz)	@230V (amps)	@460V (amps)	@575V (amps)	
WX-1200	auto	1200	16	3.0	3P / 60Hz	9.6	4.8	3.9	74
WX-3000	auto	2000-3500	40	5.0	3P / 60Hz	15.2	7.6	6.1	78
WX-5000	auto	3000-5000	80	10.0	3P / 60Hz	28.0	14.0	11.0	78
WX-6500	auto	4000-6500	80	15.0	3P / 60Hz	34.0	16.9	14.0	80

1. For 1200, Airflow @ 2" external static pressure.

2. For WX-3000, WX-5000, WX-6500, Airflow @ 2.5" external static pressure.

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