



DIVERSITECH
air pollution solutions



W-3000

W-SERIES

Wet Dust Collectors

The stainless steel wet dust collector excels at capturing combustible/hazardous dust from your plant air. The blower draws air through DiversiTech's proprietary water-tree baffle design, creating a cascading water effect that removes particles as small as 3 micron from the airstream.

The W-Series wet dust collector works by drawing dust-laden air in through the inlet on the back of the scrubber. A tank of water and a series of internal baffles known as a "water tree" filter the combustible dust via engineered water streams. Dust is filtered through contact with water droplets and 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.

The unit can be easily cleaned with an optional wet-vacuum making routine service fast and easy. For applications where the dust generation is further away from the collector, empty downdraft tables or extraction arms are popular options.

Benefits:

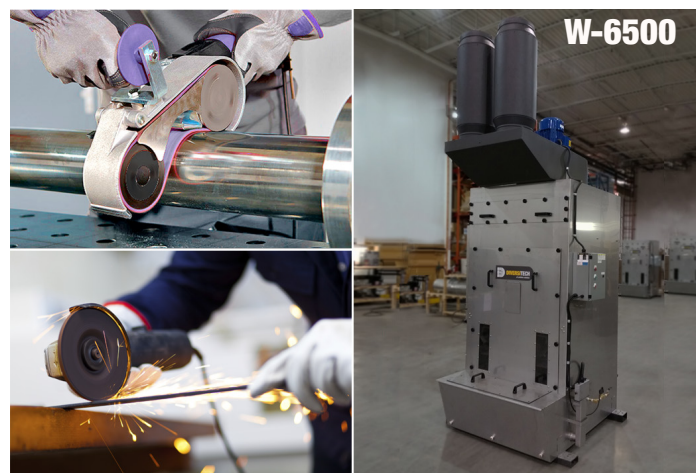
- Capture-at-source for Cleaner Air
- Complies with NFPA guidelines for Combustible Dust

Features:

- Anti-corrosion Stainless Steel Construction
- Low Cost Mist-eliminator Filters
- Auto-fill Water Control System (W3000, W5000, W6500)
- Non Sparking Blower Wheel
- Exhaust Stack Silencer

Ideal Applications:

- Aluminum
- Magnesium
- Titanium
- Grinding & Deburring
- Sanding & Finishing
- Powder Mixing
- Buffing & Polishing
- Wide Belt Sanding

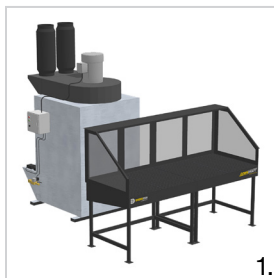


SANDING • DEBURRING • POLISHING • MIXING • GRINDING

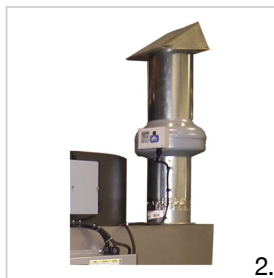


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1.



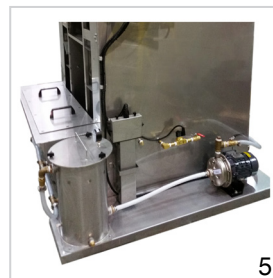
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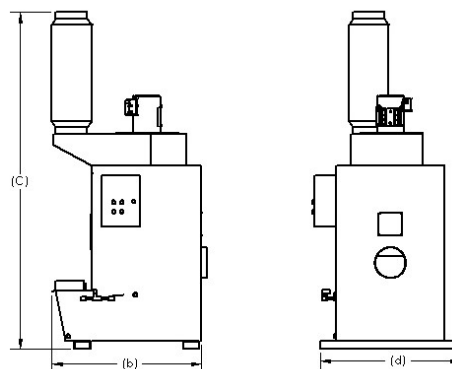


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Options:

1. Ducted downdraft table in four standard sizes
2. Hydrogen Vent Fan for offline ventilation
3. WV-55 Sludge Removal Vacuum
4. High-efficiency Hepa after-filter kit (99.99% @ 0.3 micron)
5. Self-cleaning strainer system to remove dust and sludge
6. Auto-fill Water Control System (W1200)

*Custom configuration available on request.



Dimensions

Model	Inlet Collar Diameter (in.)	Footprint			Water	
		Width [b]	Height [C]	Length [d]	Supply (in.)	Drain (in.)
W1200	6	32"	84"	32"	1/4" NPT	3/4" NPT
W3000	10	47"	103"	46"	1/4" NPT	3/4" NPT
W5000	16	66"	117"	60"	1/4" NPT	3/4" NPT
W6500	16	60"	157"	60"	1/4" NPT	3/4" NPT

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)	
W1200	manual	1200	16	3.0	3P / 60Hz	9.6	4.8	3.9	74
W3000	auto	3000	40	5.0	3P / 60Hz	15.2	7.6	6.1	78
W5000	auto	5000	80	10.0	3P / 60Hz	28.0	14.0	11.0	78
W6500	auto	6500	80	15.0	3P / 60Hz	34.0	16.9	14.0	80

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

2. For W3000, W5000, W6500, Airflow @ 4" external static pressure.

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