DIVERSITECH
air pollution solutions

WX-SERIES

Wet Dust Collectors

WX-3000

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. 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.

NFPA 484 Compliant

In 2015, NFPA updated the 484 standard requiring an interlocked offline vent fan, to prevent build-up of hydrogen gas. Optional HEPA filters also now require a high temperature alert. Diversitech's CSA/UL certified control panel now supports:

- Offline Vent Fan included
- HEPA Filter high temperature alert (option)

100% Duty Cycle

The WX collector's new ultrasonic water sensor monitors and automatically adds water as needed, even while the machine is in operation.

- Online adaptive water-level control
- Automatically adds water, offline & online
- Safety overflow drain

Benefits:

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

Features:

- Ultrasonic water level sensor
- NEMA 4x control panel w/LCD display
- Mainline Interlock Switch
- Anti-corrosion stainless steel #304 construction
- High efficiency, non-sparking blower wheel
- Transparent Lexan doors, with easy access clasps
- Low-cost mist eliminator after filters

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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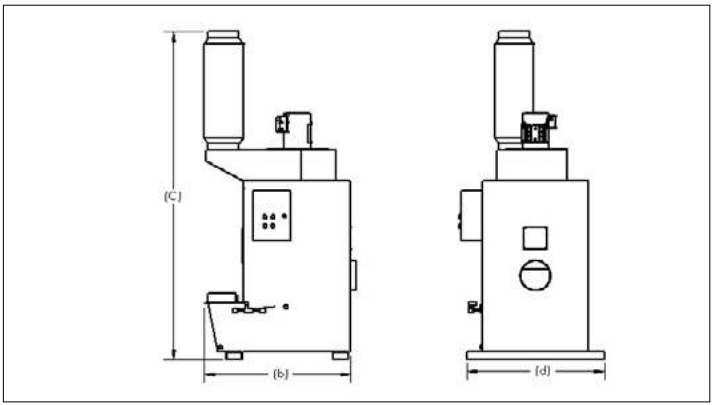

Options:

1. Ducted downdraft table in four standard sizes
2. WV-55 Sludge Removal Vaccum
3. High-efficency Hepa after-filter kit (99.99% @ 0.3 micron)
4. Self-cleaning strainer system to remove dust and sludge

**Custom configurations available on request.*

Dimensions

Model	Inlet Collar Diameter (in.)	Footprint (in.)			Net Weight (lbs.)	Water		Shipping Dimensions (in.) (Per Palette)						Gross Weight (Per Palette) (lbs.)	
		Length [b]	Height [C]	Width [d]		Supply (in.)	Drain (in.)	Length [b]		Height [C]		Width [d]			
WX-1200	6	34	86	32	395	1/4" NPT	3/4" NPT	48		68		48		500	
WX-3000	10	47	109	44	738	1/4" NPT	3/4" NPT	60		84		60		900	
WX-5000	16	61	117	57	923	1/4" NPT	3/4" NPT	80		106		80		1200	
WX-6500	16	67	129	67	1185	1/4" NPT	3/4" NPT	75	40	101	38	74	64	1500	250

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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