



DIVERSITECH

Part of Absolent Air Care Group

Product Catalog
2023





**Diversitech's 70,000 square-foot
production facility**

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Diversitech's 70,000 sq ft Production Facility

Serving Industry Since 1984



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1-800-361-3733



www.diversitech.ca



Up to 210 CFM



**MINI VAC II
PORTABLE FUME EXTRACTOR**

- 1.0 HP x 2
- 120v/1P/60Hz
- Nanofiber MERV 15 Cartridge Filter



Welding
Soldering



Up to 1800 CFM



**FRED JR
PORTABLE FUME EXTRACTOR**

- 1.5 HP
- 120v/1P/60Hz
- Nanofiber MERV 15 Cartridge Filter
- 10 ft. x 6" DIA Capture Arm



Welding
Soldering



Up to 1800 CFM



**FRED SR - SELF-CLEANING
PORTABLE FUME EXTRACTOR**

- 1.5 HP
- 120v/1P/60Hz
- Nanofiber MERV 15 Cartridge Filter
- 10 ft. x 6" DIA Capture Arm



Welding



**FRED FUME
Paint Fume Extractors**



**FRED FUME
VOC Fume Extractors**

Up to 2500 CFM



**FRED SR2 - SELF-CLEANING
PORTABLE FUME EXTRACTOR**

- 5.0 HP
- 230/460/575V/3P/60Hz
- Nanofiber MERV 15 Cartridge Filter
- (2) 10 ft. x 6" DIA Capture Arm



Welding

Up to 1200 CFM



**FRED OVERSPRAY MASTER
PORTABLE PAINT FUME EXTRACTOR**

- 1.5 HP/120v/1P/60Hz
- MERV 11 pleated panel filters x 4
- 24"x 24"x2" carbon after-filter x 2
- 10 ft. x 6" DIA Capture Arm



Paint
VOC



Up to 650 CFM



**FRED CARBO
PORTABLE VOC FUME EXTRACTOR**

- 1.0 HP/120v/1P/60Hz
- Carbon canisters (For 50 to 300 lbs)
- 10 ft. x 6" DIA Capture Arm



VOC



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FRED

Weld Fume Extractors



Up to 800 CFM



**FRED ECO II
WALL MOUNTED FUME EXTRACTOR**

- 1.0 HP
- 120v/1P/60Hz
- Nanofiber MERV 15 Cartridge Filter
- 10 ft. x 6" DIA Capture Arm



Welding



**FRED SR 1C | SR 2C
WALL MOUNTED FUME EXTRACTOR**

- 5.0 HP
- 230/460/575V/3P/60Hz
- Nanofiber MERV 15 Cartridge Filter
- One/Two 10 ft. x 6" DIA Capture Arm



Welding

Up to 2500 CFM



**ARTICULATED
CAPTURE ARMS**

BLOWERS



- Extension booms (5' or 10')



XA2 SERIES EXTRACTOR ARM

- Flexible 6.5', 10' or 13' long, 6" diameter externally articulated capture arm with a suction hood
- Rugged steel base and lightweight aluminum pantograph tube construction



RA2 SERIES TELESCOPIC ARM

- Flexible 3.3' to 5.2' long, 6" diameter internally articulated telescopic arm with a suction hood
- Rugged steel construction



- Blowers (1500 to 2500 CFM)
- 1.5, 3.0, 5.0 HP
- 120V/1P 230/460/575V/3P/60Hz
- Includes rotary motor starter



Welding
Soldering



Welding
Soldering





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DOWNDRAFT

Tables & Booths



Up to 1500 CFM



**DD 2X4 - SELF-CLEANING
PORTABLE DOWNDRAFT TABLE**

- 1.5 HP
- 120v/1P/60Hz
- Nanofiber MERV 15 Cartridge Filter
- Welding/Grinding/Deburring Kit



Welding Deburring
Grinding

Up to 8600 CFM

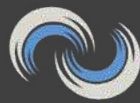


INDUSTRIAL DOWNDRAFT TABLES

- 5.0/7.5/10.0/15.0 HP
- Table sizes range from 3'x4' to 5'x10'
- Nanofiber MERV 15, Polyester MERV 11, MERV 17 HEPA Carbon Canister Filter



Welding Painting
Grinding



TYPHOON
Wet Dust Collectors



MONSOON
Wet Downdraft Tables

Up to 6500 CFM



**TYPHOON WX-SERIES
WET DUST COLLECTOR**

- 3.0/5.0/10.0/15.0 HP
- 230/460/575V/3P/60Hz
- Mist Eliminator After-Filter
- Compliant with NFPA guidelines for combustible dust



Grinding Deburring
Sanding

Up to 12000 CFM



**TYPHOON
WET DUST COLLECTOR**

- 30/40 HP
- 230/460/575V/3P/60Hz
- #304 Stainless Steel Construction
- Compliant with NFPA guidelines for combustible dust



Grinding Deburring
Sanding

Up to 6500 CFM



**MONSOON
WET DOWNDRAFT TABLE**

- 3.0/5.0/10.0/15.0 HP
- Table sizes range from 30"x38", 3x4, 3x6 and 3x8
- Mist Eliminator After-Filter
- Compliant with NFPA guidelines for combustible dust



Grinding Deburring
Sanding



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ENVIRONMENTAL & WELDING BOOTHS



Built to order

DUST CONTROL BOOTH

- Built to order
- 7.5/10.0 HP
- 230/460/575V/3P/60Hz
- Nanofiber MERV 15 Cartridge Filters



WET DUST COLLECTION BOOTH

- Built to order
- 3.0/5.0/10.0/15.0 HP
- 230/460/575V/3P/60Hz
- Mist Eliminator After-Filter



WS WELD BOOTH

- Customizable work surface
- Powder Coated Steel Construction
- Modular design
- Anti-flash UV strip curtain



Welding Grinding
Sanding



Deburring Grinding
Sanding



Deburring Grinding
Soldering



FILTERHAWK
Ambient Air Cleaners



FILTERHAWK
Cartridge Dust Collectors

Up to 7500 CFM



FILTERHAWK AM SERIES AMBIENT AIR CLEANER

- 1.5/3.0 HP
- 120V/1P/60Hz
- 230/460/575v/3P/60Hz
- MERV 8 pleated pre-filters and MERV 14 multi-pocket bag filters



Welding Oil Mist
Grinding

Up to 6000 CFM



FILTERHAWK - SELF-CLEANING AMBIENT TOWER COLLECTOR

- EBM Booth Module
- 7.5/10.0 HP
- 230/460/575V/3P/60Hz
- 6 Nanofiber MERV 15 Cartridge Filters



Welding Grinding
Sanding

Up to 50,000 CFM



FILTERHAWK CARTRIDGE DUST COLLECTOR

- Direct - A - Flow™ Inlet
- Vertical Cartridge Design
- From 2 to 92 Cartridge Filters



Welding Grinding
Sanding

1-800-361-3733

Diversitech Products are designed and engineered to be 100% OSHA compliant



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PLASMA CUTTING TABLE COLLECTORS



- Filterhawk 15 Cartridge Dust collector
- 20 HP 6000 CFM fan
- Spark detection and suppression system to ventilate CNC plasma cutting table



Plasma Cutting

CARTRIDGE DUST COLLECTORS



- Filterhawk 12 Cartridge Dust collector
- 50 HP blower with dust hopper floorstand configuration



Welding



Grinding



Sanding



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ROBOTIC WELD CELLS



- Filterhawk 18 Cartridge Dust collector
- 10,000 CFM Blower
- Spark trap in ductwork
- Isolation valve in ductwork



Welding



Grinding



Sanding

ENVIRONMENTAL BOOTHS



- Custom 50' W x 16' D x 12' H sanding booth
- 10 Filterhawk EBM collectors 5,000 CFM each with HEPA Afterfilters and return air regain system



Welding



Grinding



Sanding



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GFCM

Green Filter Cleaning Machine



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SwiftStock >>>

FRED Sr.
with 10' capture arm
1200 CFM



SELF-CLEANING

FRED Eco II
with 10' Extractor arm
800 CFM



FRED Jr.
with 10' capture arm
1200 CFM



FRED Mini-Vac II
105/210 CFM



WELD FUME EXTRACTORS & PORTABLE DOWNDRAFT TABLES



SELF-CLEANING

DD 2x4
Downdraft table
1500 CFM



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Features



**LIGHTWEIGHT
MINI VAC II**

Dual Motors
with optional
High/Low operation

Capture nozzle
with Magnetic Base

Service Filter
Indicator Light



**PORTABLE
FRED JR/SR**

Flexible Capture Arm
Externally Articulated

Rotary Starter

Rugged Steel Construction

ICS-360 Self-Cleaning System
[FRED-SR]



**WALL MOUNTED
FRED ECO II**

Flexible Capture Arm
Externally Articulated

Remote Mount
Rotary Starter

4-point Filter
Compression



**DOWNDRAFT TABLE
2X4**

Multi-stage Spark
Arrestance Baffling

Side & Back Walls

Metal Mesh Prefilter

Industrial Swivel Casters

Grounding Lug



All products conform to UL Std. 507 and
are certified to CAN/CSA Std. C22.2 No 133

All products conform to UL Std. 507 and
are certified to CAN/CSA Std. C22.2 No 133

Technical Specifications

Product No.	Airflow (CFM)	Arm/Hose Length (ft.)	Motor (H.P)	Primary Filter Type	Primary Filter Efficiency	Filter Cleaning	Input Power (v/p/hz)	Noise @5ft. (dB)	Power Cord (ft.)	Weight	
										Net (lbs.)	
LIGHTWEIGHT FUME EXTRACTORS											
MINI-VAC2-010N1	210	10	2x1.0	Nano-Fiber	99.99% @ 0.5 micron	Manual	120v/1/60Hz	70 dB @ 5ft.	6	48	
MINI-VAC2-010H1	210	10	2x1.0	HEPA	99.97% @ 0.3 micron	Manual	120v/1/60Hz	70 dB @ 5ft.	6	48	
PORTABLE FUME EXTRACTORS											
FRED-JR-015N1	1200	10	1.5	Nano-Fiber	MERV 15	Manual	120v/1/60Hz	75 dB @ 5ft.	15	194	
FRED-JR-13-015N1	1200	13	1.5	Nano-Fiber	MERV 15	Manual	120v/1/60Hz	75 dB @ 5ft.	15	204	
FRED-SR-015N1	1200	10	1.5	Nano-Fiber	MERV 15	Self-Cleaning	120v/1/60Hz	75 dB @ 5ft.	15	285	
FRED-SR-13-015N1	1200	13	1.5	Nano-Fiber	MERV 15	Self-Cleaning	120v/1/60Hz	75 dB @ 5ft.	15	290	
WALL MOUNT FUME EXTRACTORS											
ECO2-01-010N1	1200	10	1.5	Nano-Fiber	MERV 15	Manual	120v/1/60Hz	70 dB @ 5ft.	15	160	
ECO2-01-13-015N1	1200	13	1.5	Nano-Fiber	MERV 15	Manual	120v/1/60Hz	75 dB @ 5ft.	15	165	
Product No.	Airflow (CFM)	Face Velocity (FPM)	Motor (H.P)	Primary Filter Type	Primary Filter Efficiency	Filter Cleaning	Input Power (v/p/hz)	Noise @5ft. (dB)	Power Cord (ft.)	Weight	
										Net (lbs.)	
DOWNDRAFT TABLES											
DD-2X4-015N1-WGD	1500	340	1.5	Nano-Fiber	MERV 15	Self-Cleaning	120v/1/60Hz	75 dB @ 5ft.	15	310	

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FRED MINI-VAC II

COMPACT FUME EXTRACTOR



* Selected Models



The FRED Mini-Vac II is the industry's most powerful, reliable, and convenient to use portable fume extractor - now with high/low modes for maximum performance. The dual motor design allows the welder to switch on just one motor for typical light duty work, and switch on a second motor for more demanding applications.

The ability to switch between high and low modes empowers the operator choose between a higher capture range and less time spent re-positioning with two motors running and a quieter running, lower capture range with one motor running.

Welding in the field or confined spaces requires a portable fume extractor that people will actually use.

Benefits:

- Protect your breathing zone by filtering harmful weld fumes with high efficiency nanofiber technology
- Meet and exceed North American safety standards, including OSHA, for weld fume capture-at-source

Features:

- Designed for light-medium duty welding
- Attaches quickly to MiG Fume Extraction Guns
- Lightweight, exceptionally portable design
- Nanofiber MERV 15 Filter Cartridge
- Magnetic nozzle base for secure nozzle placement
- Filter service indicator

Options:

- HEPA primary filter - 99.97% @ 0.3 micron
- Spunbond Polyester Filter Cartridge (washable)
- Auto on/off Fume Extraction Gun Kit



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Standard Filter

NANOTECH **XV**

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-MV2-0001

EFFICIENCY:	MERV 15
FILTER MEDIA:	NANOFIBER
MEDIA AREA:	55 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	COMPRESSED AIR
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

Optional Filters

POLYTECH **XI**

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-MV2-0002

EFFICIENCY:	MERV 11
FILTER MEDIA:	SPUNBOND POLY
MEDIA AREA:	44 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	AIR + WATER WASH
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

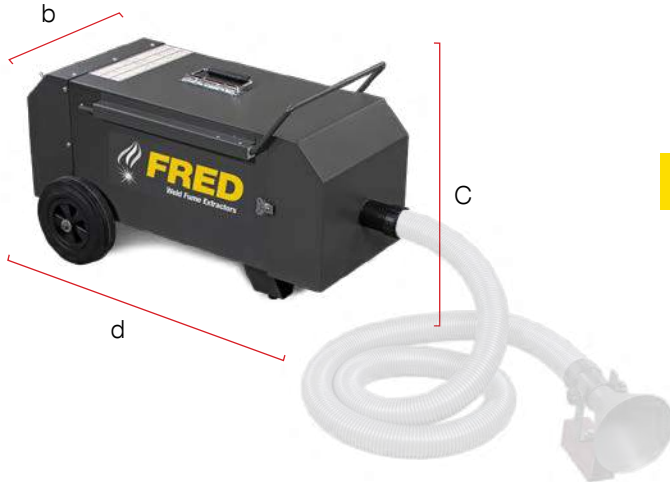
HEPA

The HEPA cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



S-MV2-0003

EFFICIENCY:	99.97% AT 0.3 MICRON
FILTER MEDIA:	HEPA
MEDIA AREA:	40 SQ.FT.
COATING:	NONE
END CAP:	OPEN/CLOSED
CLEANING METHOD:	DISPOSABLE
MAX TEMP:	180° F / 82° C
FLANGE:	NONE



Dimensions **

Model	Filter Type	Cord Length (ft.)	Hose Length (ft.)	Product Dimensions (in.)		
				Width [b]	Height [C]	Length [d]
FRED Mini-Vac II compact welding fume extractor						
MINI-VAC2-010N1	Nano-Fiber	6	10	16.5	18.5	35.5
MINI-VAC2-010H1	HEPA	6	10	16.5	18.5	35.5
MINI-VAC2-010P1	Poly	6	10	16.5	18.5	35.5

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

Technical Specifications

Model	Motor (H.P.)	Airflow (CFM)	Input Power				Net Weight (lbs.)	Noise @5ft (dB)
			Phase	(volts)	(hz)	(amps)		
FRED Mini-Vac II compact welding fume extractor								
MINI-VAC2-010N1	1.0HP x 2	105/210	1	120	60	16.0	48	68/77

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FRED JR

PORTABLE FUME EXTRACTOR



With 10' capture arm
1200 - 1800 CFM

* Selected Models



Keeping your worker's breathing zone safe requires a capture-at-source extractor they will actually use. Designed to be moved and positioned effortlessly, the FRED Jr. excels at removing weld fumes, dusts, and other airborne contaminants as small as 0.5 micron with our MERV 15 rated Nanofiber filter.

The capture arm's external articulation is key to easy positioning, as smoke and dust passes through the machine without contacting the swivel and pivot points of the arm. The high suction and capture velocity developed by the FRED Jr. allows operators to capture and filter dust and fumes further away from the hood than competitive models.

Benefits:

- Compact, portable, 120 volt, single phase
- Capture-at-source for cleaner air
- Complies with OSHA guidelines for controlling weld fumes

Features:

- Flexible 10' externally articulated capture arm
- 1.5HP TEFC motor producing 1200 CFM at the hood.
- 26" easy-to-service Nanofiber filter (MERV 15)
- Rotary starter with 15' power cord & casters

Options:

- Flexible externally articulated capture arm 6.5', 10', or 13'
- 3.0 HP 1800 CFM High-Static Motor [230/460/575V 3PH]
- Odor Absorption Kits
- Minihelic Gauge
- Spunbond Polyester Filter Cartridge (washable)
- Afterfilter module, with HEPA Filter
- Hood mounted LED light kit



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Primary Filters

NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-JR-26NF

EFFICIENCY:	MERV 15
FILTER MEDIA:	NANOFIBER
MEDIA AREA:	320 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	COMPRESSED AIR
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

POLYTECH XI

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-JR-26PT

EFFICIENCY:	MERV 11
FILTER MEDIA:	SPUNBOND POLY
MEDIA AREA:	169 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	AIR + WATER WASH
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

Secondary Filter

HEPA

The HEPA cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



S-JR-1009

EFFICIENCY:	99.97% AT 0.3 MICRON
FILTER MEDIA:	HEPA
MEDIA AREA:	24" X 36" X 5 7/8"
COATING:	NONE
END CAP:	OPEN/CLOSED
CLEANING METHOD:	DISPOSABLE
MAX TEMP:	175° F / 82° C
FLANGE:	NONE

IMPORTANT : If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Net Weight (lbs.)	Product Dimensions (in.)		
				Width [a]	Height [C]	Length [b]
FRED-JR with externally articulated capture arm						
FRED-JR	6.5	6	186	32.5	82.5	37
	10	6	194	32.5	96	37
	13	6	204	32.5	109	37

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

Technical Specifications

Model	Motor (H.P.)	Phase (hz)	Power				Airflow (CFM)	Cord Length (ft.)	Arm Length (ft.)
			@120V (amps)	@230V (amps)	@460V (amps)	@575V (amps)			
FRED-JR with externally articulated capture arm									
FRED-JR	1.5	1P/60Hz	13.2	---	---	---	1200	15	6.5/10/13
	3.0	3P/60Hz	---	7.1	3.7	3.2	1800	N/A	6.5/10/13

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FRED SR

SELF CLEANING PORTABLE FUME EXTRACTOR



With 10' capture arm
1200 - 1800 CFM

* Selected Models



This professional grade fume extractor is the industry standard for eliminating smoke, dust and other unbreathables from the air. The powerful blower features a high face-velocity, removing particulate as small as 0.5 micron with our standard MERV 15 rated Nanofiber filter.

Our patented Injection Self-Cleaning System (ICS-360) reduces total cost of ownership by extending filter life expectancy, improving aggregate filter efficiency, and making routine service faster & easier.

Benefits:

- Automatic Filter Cleaning makes service easy
- Compact, portable and easy to operate
- Capture-at-source for cleaner air
- Complies with OSHA guidelines for controlling weld fumes

Features:

- Flexible 10' externally articulated capture arm
- ICS-360 Injection Self-Cleaning System
- 21" easy-to-service Nanofiber filter (MERV 15)
- Rotary starter with 15' power cord & casters

Options:

- Flexible externally articulated capture arm 6.5', 10', or 13'
- 3.0 HP 1800 CFM High-Static Motor [230/460/575V 3PH]
- Odor Absorption Kits
- Minihelic Gauge
- Spunbond Polyester Filter Cartridge (washable)
- Afterfilter module, with HEPA Filter
- Hood mounted LED light kit



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Primary Filters

NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-SR-21NF

EFFICIENCY:	MERV 15
FILTER MEDIA:	NANOFIBER
MEDIA AREA:	190 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	COMPRESSED AIR
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

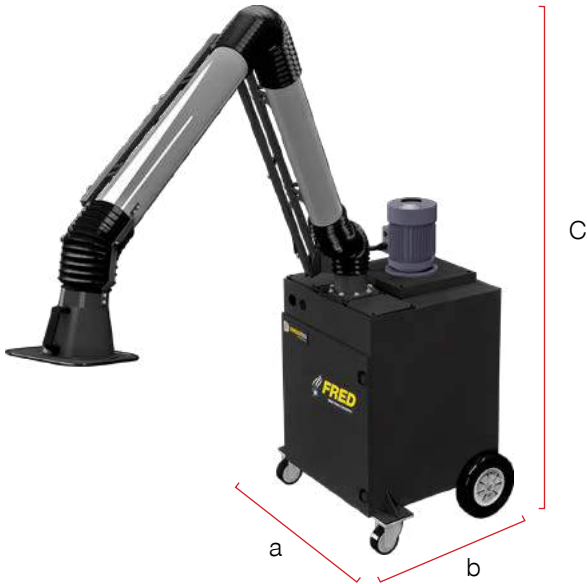
POLYTECH XI

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-SR-21PT

EFFICIENCY:	MERV 11
FILTER MEDIA:	SPUNBOND POLY
MEDIA AREA:	105 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	AIR + WATER WASH
MAX TEMP:	180° F / 82° C
FLANGE:	NONE



Secondary Filter

HEPA

The HEPA cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



S-SR-1009

EFFICIENCY:	99.97% AT 0.3 MICRON
FILTER MEDIA:	HEPA
MEDIA AREA:	24" x 36" x 5-7/8"
COATING:	NONE
END CAP:	OPEN/CLOSED
CLEANING METHOD:	DISPOSABLE
MAX TEMP:	175° F / 82° C
FLANGE:	NONE

IMPORTANT : If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Net Weight (lbs.)	Product Dimensions (in.)		
				Width [a]	Height [C]	Length [b]
FRED-SR with externally articulated capture arm						
FRED-SR	10	6	285	32.5	115	33
	13	6	290	32.5	128	33

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

Technical Specifications

Model	Motor (H.P.)	Phase (hz)	Power				Airflow (CFM)	Cord Length (ft.)	Arm Length (ft.)
			@120V (amps)	@230V (amps)	@460V (amps)	@575V (amps)			
FRED-SR with externally articulated capture arm									
FRED-SR	1.5	1P/60Hz	13.2	---	---	---	1200	15	10/13
	3.0	3P/60Hz	---	7.1	3.7	3.2	1800	---	10/13
	5.0	3P/60Hz	---	13.0	6.5	5.2	2500	---	10/13

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FRED SR2

DUAL ARM FUME EXTRACTOR



With two 10'
capture arms
2500 CFM



This professional grade fume extractor is the industry standard for eliminating smoke, dust and other unbreathables from the air. A 2500 CFM, 5HP blower ensures a high face-velocity across two independently movable capture arms, removing particulate as small as 0.5 micron with our standard MERV 15 rated Nanofiber filter.

Our patented Injection Self-Cleaning System (ICS-360) reduces total cost of ownership by extending filter life expectancy, improving aggregate filter efficiency, and making routine service faster & easier.

Benefits:

- Automatic Filter Cleaning makes service easy
- Compact, portable and easy to operate
- Capture-at-source for cleaner air
- Complies with OSHA guidelines for controlling weld fumes

Features:

- Dual, 10" Externally Articulated Extraction Arms
- ICS-360 Injection Self-Cleaning System
- 21" easy-to-service Nanofiber filter (MERV 15)
- Rotary starter with 15' power cord & casters

Options:

- Flexible externally articulated capture arm 6.5', 10', or 13'
- Odor Absorption Kits
- Minihelic Gauge
- Spunbond Polyester Filter Cartridge (washable)
- Afterfilter module, with HEPA Filter
- Hood mounted LED light kit



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Primary Filters

NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-SR-21NF

EFFICIENCY:	MERV 15
FILTER MEDIA:	NANOFIBER
MEDIA AREA:	190 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	COMPRESSED AIR
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

POLYTECH XI

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-SR-21PT

EFFICIENCY:	MERV 11
FILTER MEDIA:	SPUNBOND POLY
MEDIA AREA:	105 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	AIR + WATER WASH
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

Secondary Filter

HEPA

The HEPA cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



S-SR-1009

EFFICIENCY:	99.97% AT 0.3 MICRON
FILTER MEDIA:	HEPA
MEDIA AREA:	24" x 36" x 5-7/8"
COATING:	NONE
END CAP:	OPEN/CLOSED
CLEANING METHOD:	DISPOSABLE
MAX TEMP:	175° F / 82° C
FLANGE:	NONE

Safety note : units are not designed to collect possible explosive dusts such as aluminum, magnesium, wood chips or similar.
DO NOT COLLECT EXPLOSIVE DUSTS IN THIS UNIT.

Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Net Weight (lbs.)	Product Dimensions (in.)		
				Width [a]	Height [C]	Length [b]
FRED-SR2 Portable Fume Collector with two externally articulated capture arms						
FRED-SR2	10 (x2)	6 (x2)	297	32.5	102	33
	13 (x2)	6 (x2)	302	32.5	111	33

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

Technical Specifications

Model	Motor (H.P.)	Phase (hz)	Power				Airflow (CFM)	Cord Length (ft.)	Arm Length (ft.)
			@120V (amps)	@230V (amps)	@460V (amps)	@575V (amps)			
FRED-SR2 Portable Fume Collector with two externally articulated capture arms									
FRED-SR2	5.0	3P/60Hz	---	13.0	6.5	5.0	2500	---	10/13

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FRED FUME
VOC Fume Extractors

FRED CARBO

PORTABLE VOC FUME EXTRACTOR



With 10' capture arm
650 CFM

Volatile Organic Compounds (VOCs) fumes and odors present a serious workplace hazard that need to be captured and filtered with a portable fume extractor. The Fred Carbo is designed to extract VOC fumes and odors and prevent them from entering an operator's breathing zone.

The FRED Carbo's high porosity activated carbon granules are specially designed to adsorb most industrial VOC fumes. The carbon cartridge is reversible allowing you to utilize 100% of the available media to remove airborne fumes and is available in five standard weight configurations.

The extractor arm's pantograph style articulation ensures ultra-smooth repositioning and protects the arm's components from wear and tear. The high performance blower develops a powerful face velocity to ensure fumes are eliminated from the workspace.

Features:

- Flexible 10' externally articulated capture arm
- 1.0 HP TEFC motor producing 650 CFM at the hood
- Carbon canisters
- 15" power cord & casters

Benefits:

- Compact, portable, 120 volt, single phase
- Capture-at-source for cleaner air
- Complies with OSHA guidelines for controlling VOCs



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FRED FUME
VOC Fume Extractors

Carbon Filter

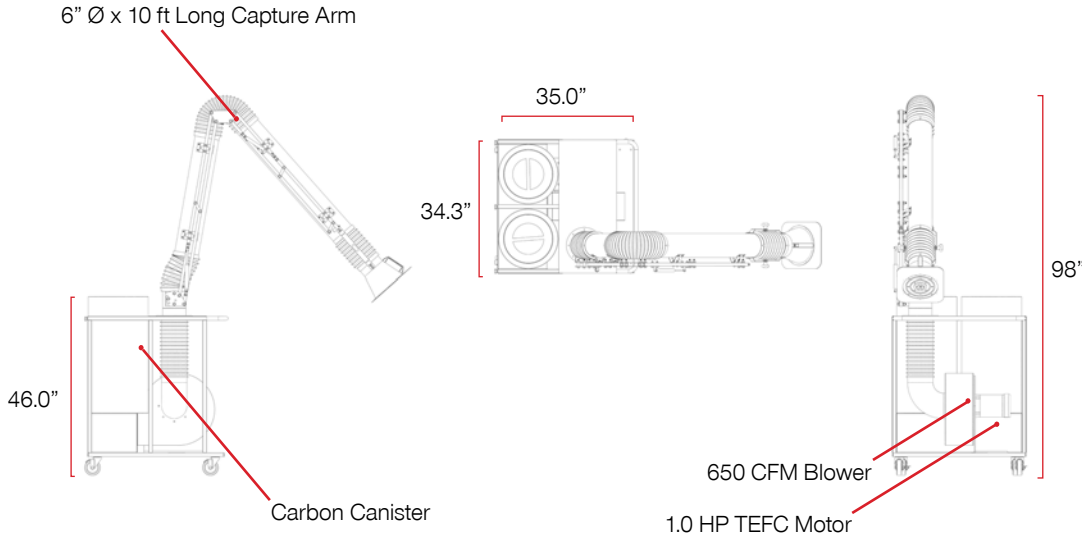
CARBOTECH 75

Reversible steel canister filled with 66 lbs of activated carbon to filter VOC fumes and odors. Double the filter life by flipping the canister top-to-bottom, allowing for adequate contaminant distribution through the media.



S-CCX-75R

WEIGHT: 66 LBS
FILTER MEDIA: ACTIVATED CARBON
PREFILTER MEDIA THICKNESS: 0.79"
COVER: 3/4" ANTIBACTERIAL
END CAP: TWIST LOCK REMOVABLE
CLEANING METHOD: NONE
MAX TEMP: 175° F / 80° C



Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Product Dimensions (in.)		
			Width [a]	Height [C]	Length [b]
FRED CARBO VOC Extractor with externally articulated manual capture arm					
FRED CARBO	10	6	34.3	98	35
	13	6	34.3	98	35

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

Technical Specifications

Model	Motor (H.P.)	Power		Airflow (CFM)	Carbon Capacity (lbs.)
		Phase (hz)	@120V (amps)		
FRED CARBO VOC Extractor with externally articulated manual capture arm					
FRED CARBO	1.0	1P/60Hz	16	650	150

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FRED FUME
Paint Fume Extractors

FRED OVERSPRAY MASTER

PORTABLE PAINT FUME EXTRACTOR



With 10' capture arm
1200 CFM

The FRED Overspray Master™ by Diversitech is a portable paint fume control system that is designed to capture and filter overspray from touch up painting. The compact design saves time and money by allowing touch paint work to be done safely where required.

The portable paint fume extraction unit includes a hood mounted paint pocket arrestor prefilter, four MERV 11 primary filters and 2 extruded carbon afterfilters for VOC fumes. The filters in the unit comply with the **NESHAP 319 standard for toxic chromate coatings** and primers, commonly found in aerospace painting applications.

The Overspray Master comes with a 10' XA2 Series capture arm, with external pantograph style articulation ensuring ultra-smooth repositioning and protecting the arm's components from wear and tear. Available arm lengths include 6.5', 10' 13' and dual arm configurations.

Features:

- Flexible 10' externally articulated capture arm
- 1200 CFM of Airflow
- 1.5 HP, 120v/1/60hz blower
- 1 x Paint pocket filter on hood
- 4 x MERV 11 pleated panel filters
- 2 x 24"x 24"x2" carbon afterfilter
- 15" power cord & casters

Benefits:

- Complies with **NESHAP 319**
- Capture-at-source for cleaner air
- Compact, portable, and easy to operate

Options:

- Explosion proof motor and starter
- 6.5', 10' or 13' capture arm



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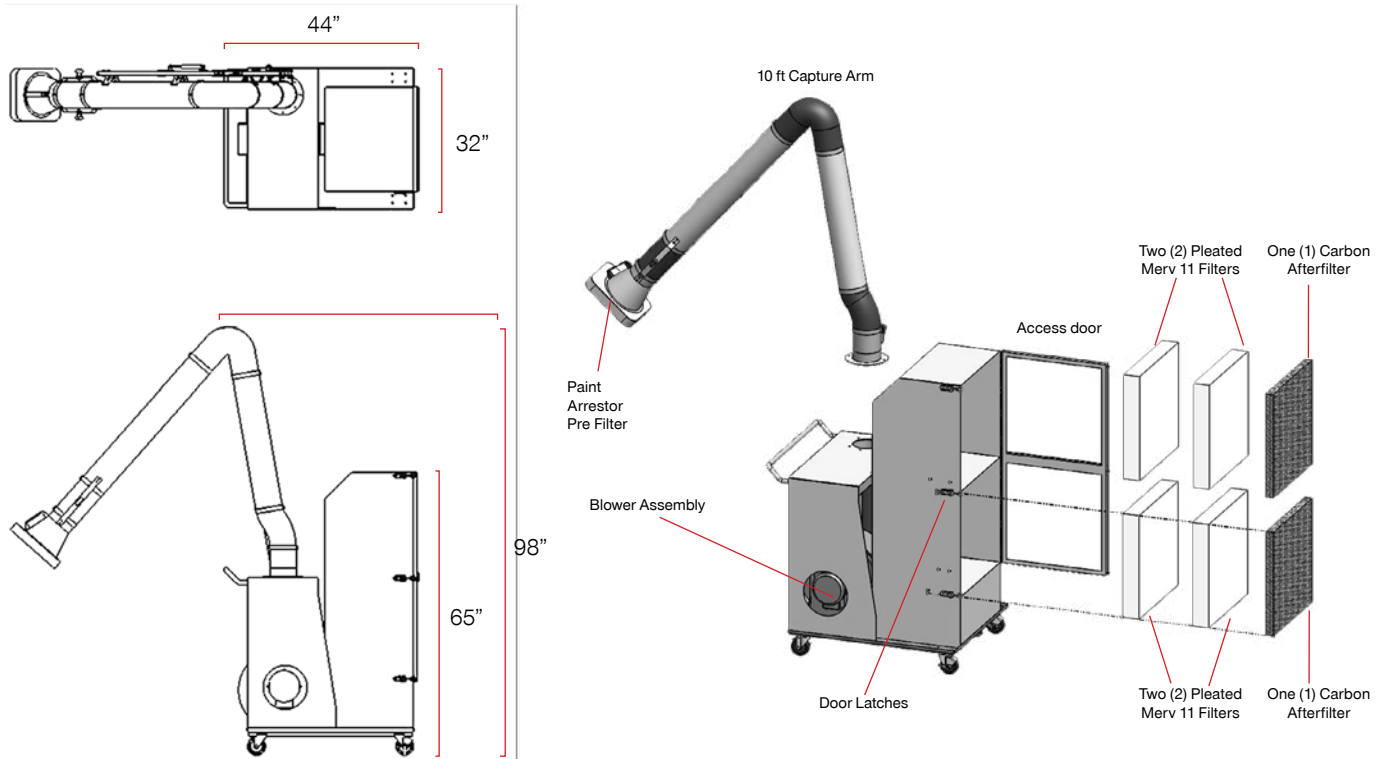


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FRED FUME
Paint Fume Extractors



Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Arm Weight (lbs.)	Cabinet Weight (lbs.)	Total Weight (lbs.)	Product Dimensions (in.)		
						Width [a]	Height [C]	Length [b]
FRED OVERSPRAY MASTER with externally articulated manual capture arm								
FOM	10	6	55	416	471	32	98	44
	13	6	55	416	471	32	98	44

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

Technical Specifications

Model	Motor (H.P.)	Power		Airflow (CFM)	Primary Filter Type	After Filter Type
		Phase (hz)	@120V (amps)			
FRED OVERSPRAY MASTER with externally articulated manual capture arm						
FRED-OM-06015P1	1.5	1P/60Hz	13.2	1200	Merv 11 (4)	Carbon (2)
FRED-OM-015P1	1.5	1P/60Hz	13.2	1200	Merv 11 (4)	Carbon (2)
FRED-OM-13-015P1	1.5	1P/60Hz	13.2	1200	Merv 11 (4)	Carbon (2)

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FRED ECO II

WALL-MOUNTED FUME EXTRACTOR



With 10' capture arm
800 CFM



* Selected Models

The FRED Eco II offers a simple, affordable, and easy-to-install fume extraction & filtration kit for everyday applications. The 10' flexible capture arm on the Fred Eco is externally articulated, making operator repositioning & maintenance easy.

The kit includes a 120V rotary motor starter that can be conveniently mounted close to the operator's working area. Once properly positioned, smoke, dust, and other airborne contaminants are safely captured before reaching the operator's respiratory zone. For applications where the extraction arm needs to be mounted further away from the blower, the remote mounting kit is a popular option.

The high-efficiency 26" filter collects submicron welding fumes before returning air to the facility. By capturing, cleaning, and recycling contaminated air, the FRED Eco II works as a heat recovery device, helping you keep energy costs down.

Benefits:

- Easy-to-install, easy-to-operate
- Capture-at-source for cleaner air
- Complies with OSHA guidelines for controlling weld fumes

Features:

- Flexible 10' externally articulated capture arm
- 1.0HP TEFC, 800 CFM blower with a pre-installed bracket
- 26" re-useable cartridge filter (MERV 15)
- Rotary starter [120 VAC] with 15' Power Cord included

Options:

- Flexible externally articulated capture arm 6.5', 10', or 13'
- 1.5 HP 1200 CFM High-Static Motor [120V 1PH]
- Extension boom, 5' or 10'
- Spunbond Polyester Filter Cartridge (washable)
- Hood mounted LED light kit

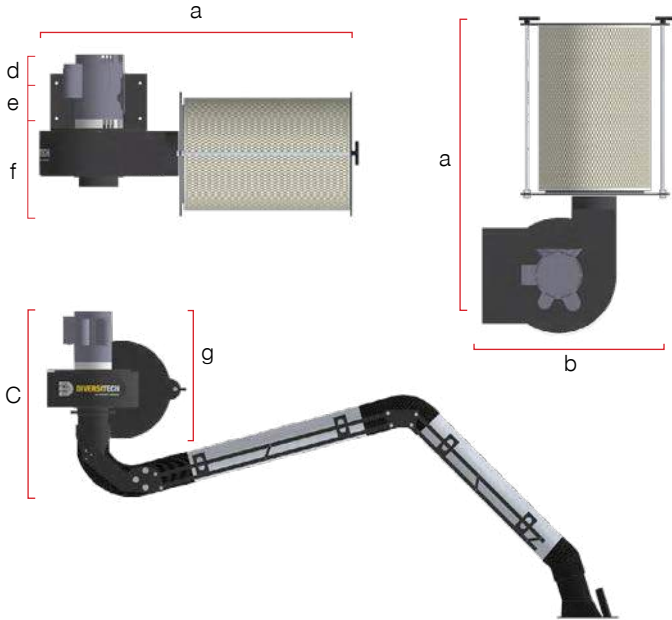


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Primary Filters



NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-ECO2-26NF

EFFICIENCY:
MERV 15
FILTER MEDIA:
NANOFIBER
MEDIA AREA:
320 SQ.FT.
COATING:
FIRE RETARDANT
END CAP:
OPEN/CLOSED
CLEANING METHOD:
COMPRESSED AIR
MAX TEMP:
180° F / 82° C
FLANGE:
NONE

POLYTECH XI

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-ECO2-26PT

EFFICIENCY:
MERV 11
FILTER MEDIA:
SPUNBOND POLY
MEDIA AREA:
169 SQ.FT.
COATING:
FIRE RETARDANT
END CAP:
OPEN/CLOSED
CLEANING METHOD:
AIR + WATER WASH
MAX TEMP:
180° F / 82° C
FLANGE:
NONE

Dimensions

Model	Arm Length (ft.)	Arm Diameter (in.)	Net Weight (lbs.)	Product Dimensions (in.)						
				Width [a]	Height [C]	Length [b]	[d]	[e]	[f]	[g]
FRED Eco II single wall-mount arm										
FRED ECO II	10	6	160	25"+26 filter	35	27	4	5.5	11.5	21
	13	6	165	25"+26 filter	35	27	4	5.5	11.5	21

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

Technical Specifications

Model	Motor (H.P.)	Power					Airflow (CFM)	Cord Length (ft.)	Arm Length (ft.)
		Phase (hz)	@120V (amps)	@230V (amps)	@460V (amps)	@575V (amps)			
FRED Eco II single wall-mount arm									
FRED ECO II	1.0	1P/60Hz	16	---	---	---	800	15	10/13
	1.5	1P/60Hz	13.2	---	---	---	1200	15	10/13
	3.0	3P/60Hz	---	7.6	3.8	3.2	1800	---	10/13

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FRED SR C

SELF CLEANING, WALL MOUNTED EXTRACTOR

Fred SR 1C
With one 10' capture arm

Fred SR 2C
With two 10' capture arms



This professional grade fume extractor is the industry standard for eliminating smoke, dust and others unbreathable from the air. A 2500 CFM, 5HP blower ensures a high face-velocity across two independently movable capture arms, removing particulate as small as 0.5 micron with our standard MERV 15 rated Nanofiber filter

Our patented Injection Self-Cleaning System (ICS-360) reduces the FRED SR C's total cost of ownership by extending filter life expectancy, improving aggregate filter efficiency, and making routine service faster & easier.

Benefits:

- Automatic Filter Cleaning makes service easy
- Compact, portable and easy to operate
- Capture-at-source for cleaner air
- Complies with OSHA guidelines for controlling weld fumes

Features:

- Flexible 10' externally articulated capture arm
- ICS-360 Injection Self-Cleaning System
- 21" easy-to-service Nanofiber filter (MERV 15)

Options:

- Flexible externally articulated capture arm 6.5', 10', or 13'
- 3.0 HP 1800 CFM High-Static Motor [230/460/575V 3PH]
- Odor Absorption Kits
- Minihelic Gauge
- Spunbond Polyester Filter Cartridge (washable)
- Afterfilter module, with HEPA Filter
- Hood mounted LED light kit





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Primary Filters

NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-SR-21NF

EFFICIENCY:	MERV 15
FILTER MEDIA:	NANOFIBER
MEDIA AREA:	190 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	COMPRESSED AIR
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

POLYTECH XI

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-SR-21PT

EFFICIENCY:	MERV 11
FILTER MEDIA:	SPUNBOND POLY
MEDIA AREA:	105 SQ.FT.
COATING:	FIRE RETARDANT
END CAP:	OPEN/CLOSED
CLEANING METHOD:	AIR + WATER WASH
MAX TEMP:	180° F / 82° C
FLANGE:	NONE

Secondary Filter

HEPA

The HEPA cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



S-SR-1009

EFFICIENCY:	99.97% AT 0.3 MICRON
FILTER MEDIA:	HEPA
MEDIA AREA:	24" x 36" x 5-7/8"
COATING:	NONE
END CAP:	OPEN/CLOSED
CLEANING METHOD:	DISPOSABLE
MAX TEMP:	175° F / 82° C
FLANGE:	NONE

IMPORTANT : If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Dimensions (in.)		
			Width	Height	Length
FRED SR2 C with two externally articulated manual capture arms					
FRED SR 2C	10 (x2)	6 (x2)	32.5	115	33
	13 (x2)	6 (x2)	32.5	128	33

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

Technical Specifications

Model	Motor (H.P.)	Power					Airflow (CFM)	Cord Length (ft.)	Arm Length (ft.)
		Phase (hz)	@120V (amps)	@230V (amps)	@460V (amps)	@575V (amps)			
FRED SR2 C with two externally articulated manual capture arms									
FRED SR 2C	5.0	3P/60Hz	---	13.0	6.5	5.2	2500	---	10/13

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XA2 SERIES

ARTICULATED CAPTURE ARM



Diversitech's XA2 series fume extraction arms provide users with an ultra-smooth articulation and light-weight anodized aluminum construction for effortless re-positioning.

The Extractor capture arm features a pantograph external structure allowing the arm to be self-supporting even when fully extended and the pantograph mechanism offers easy and quick adjustment and maintenance. The heavy duty durable steel base pivots 360° and the square flanged hood with a built in handle offers a high face velocity, is externally adjustable and is available with an optional LED light kit.

With Diversitech's line of fume exhaust arms, blowers & booms, you can create a capture-at-source solution for fumes & dust that adequately protects your workers. By capturing airborne contaminants as they are produced, these extraction arms & blowers help you stay OSHA compliant, and ensure that your working environment is clean and safe.

Features:

- Smooth, low-friction movement
- Flanged suction hood
- Wall mounted, column mounted or portable
- Externally articulated, gas spring loaded
- Industrial swivel-base

Options:

- Blowers (1500 to 2500 CFM)
- Hood mounted LED light kit
- Wall mounting bracket
- Extension booms (5' or 10')



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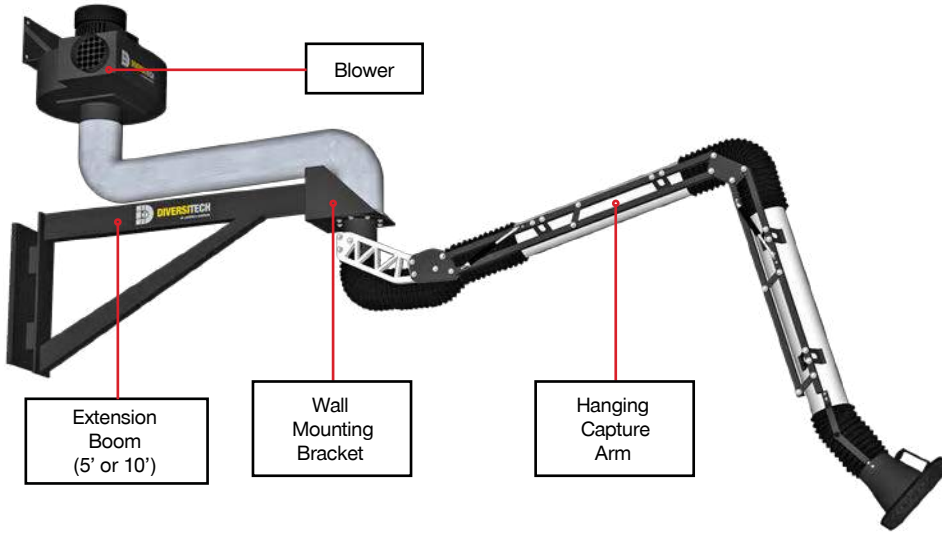


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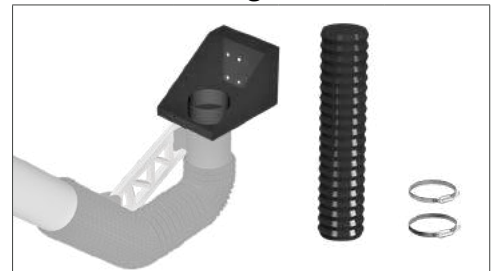
Blowers



Dimensions**

Model	Arm Length (ft.)	Arm Diameter (in.)	Net Weight (lbs.)	Product Dimensions (in.)		
				Width (in.)	Height (in.)	Length (in.)
XA2-6H06	6.5	6	35	13	14	78
XA2-6H10	10	6	45	13	14	120
XA2-6H13	13	6	70	13	14	158
BOOM-6-5	---	---	105	13	44	85
BOOM-6-10	---	---	135	13	44	140
BR-015	---	---	95	19	8	22
BR-030	---	---	110	19	8	22
BR-050	---	---	135	23	11	27

Remote Mounting Kits



Part Number	Bracket	Flex Hose (ft.)	Hose Clamps
XA2-WMB	1	---	---
A-ECO-RMK6	1	6	2
A-ECO-RMK12	1	12	2

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

Technical Specifications

Blower Model	Motor (H.P.)	Phase (hz)	Power				Airflow (CFM)	Cord Length (ft.)	Type
			@120V (amps)	@230V (amps)	@460V (amps)	@575V (amps)			
BR-015	1.5	1/60Hz	14.2	---	---	---	1200	6	TEFC
BR-030	3.0	3/60Hz	---	8.0	4.0	3.1	1800	6	TEFC
BR-050	5.0	3/60Hz	---	12.0	6.0	4.6	2500	6	TEFC

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RA2 SERIES

RETRACTABLE TELESCOPIC CAPTURE ARM



Retractable Telescopic Extraction Arm Diversitech's RA2 SERIES Telescopic Arm is designed to extract welding fumes and dust from confined work space environments. The arm is internally articulated with an extendable support structure, a flanged suction hood with a handle along with a rotating swivel base. The telescopic arm features an internal tubular structure allowing the arm to easily extend and retract. The self-supporting arm provides operators with a durable and flexible solution for many industrial applications.

Typical limited space applications involve welding school booths, small workstations and other processes where a small retractable extraction arm provides the necessary flexibility. Telescopic arms can be paired with wall mounted fume extractors including the FRED Eco series, or bolted directly onto Diversitech's BR Blowers. The telescopic arms allow for capture at source extraction, helping you stay OSHA compliant and ensuring that your working environment is safe and secure for students and operators.

Features:

- Flexible 39 in. to 62 in. Internally Articulated Telescopic Arm with a Suction Hood
- Rugged steel construction
- Wall or post mountable

Benefits:

- Capture-at-source for Cleaner Air
- Complies with OSHA guidelines for controlling weld fumes
- Retractable Compact Footprint



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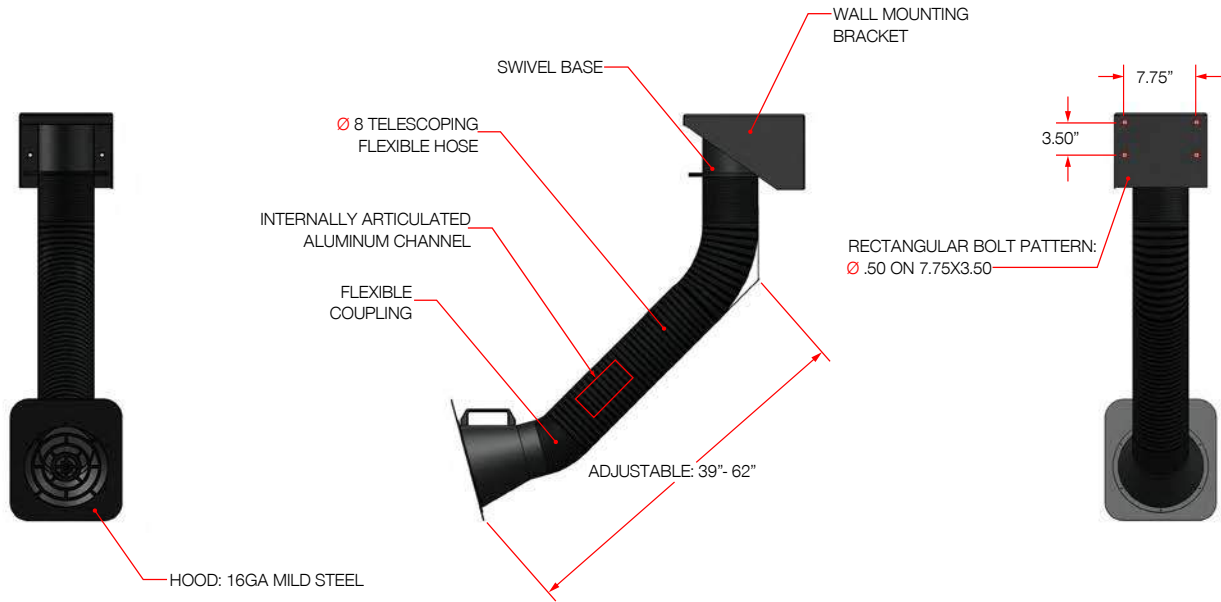


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Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Net Weight (lbs.)	Product Dimensions (in.)		
				Width	Height	Length
RA2 Series Retractable/Telescopic Extraction Arm						
RA-6H063	3.5 to 5.2	6	50	12	13.5	56

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

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DOWNDRAFT

Tables & Booths

DD 2X4

PORTABLE DOWNDRAFT TABLE



* Selected Models



The DD 2X4 is a portable, reliable, and easy-to-use downdraft table for industrial duty applications. Now any fumes, smoke, or dust from your shop activities can be captured right as they are produced, before compromising your indoor air quality.

The table comes fitted with multi-stage spark arrestance baffles, industrial swivel casters, and a push-button reverse-pulse filter cleaning system to help reduce maintenance requirements. Choose from a 1.5HP 1500CFM single phase [120V] motor, or 3.0HP 2600CFM three phase [230/460/575V] for higher capture face velocity. Single phase models include a 15' power cord for plug & play convenience. Many options and accessories are available for the DD 2X4 downdraft table. This table can be built-to-order in almost any configuration.

Flexible, all-in-one, downdraft solution for dust, smoke, or fumes produced from welding, grinding, deburring, cutting, sanding, finishing, soldering, painting, or mixing.

Features:

- Flexible 48" x 32" worksurface
- High capture face velocity (250fpm)
- Multi-stage spark arrestance baffling
- Industrial swivel-casters
- On-demand, reverse pulse cleaning system

Benefits:

- Simple to use, plug & play design
- Ultra-small footprint & no permanent ducting
- Complies with OSHA guidelines for safe capture of dust, smoke, and weld fumes



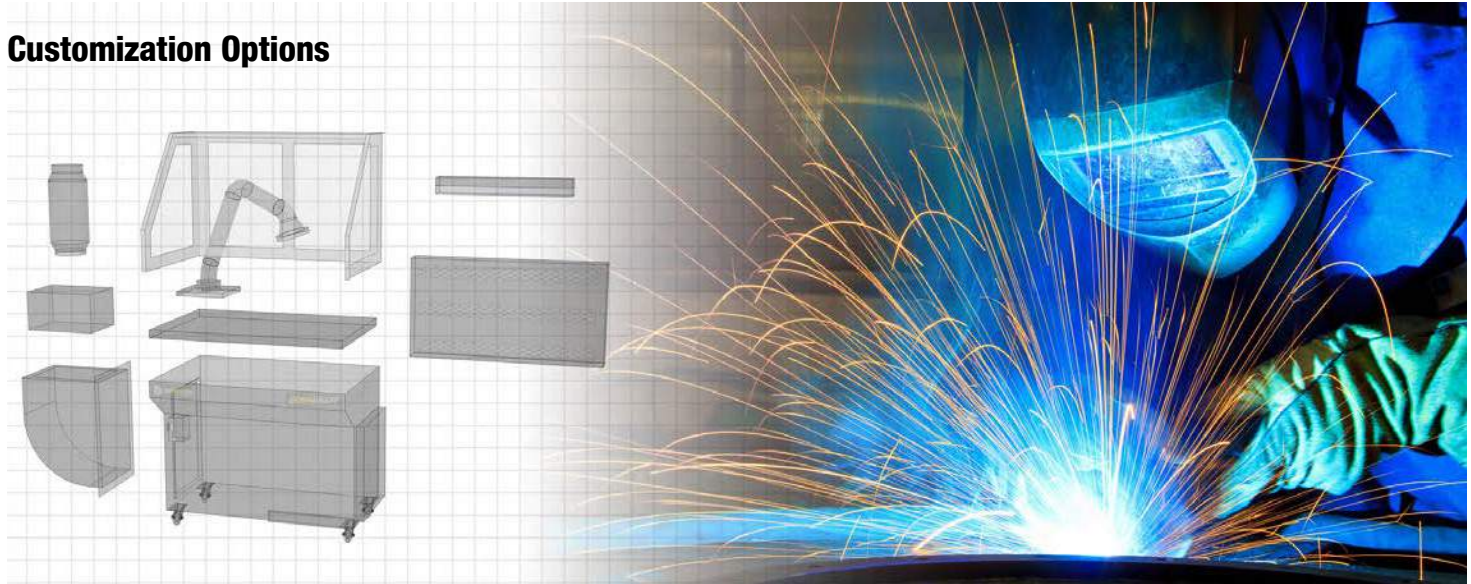
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Customization Options



Lexan Side & Back Walls

Contain dust and fumes high over your table surface, enables users to trap particulate using 30" high see-through lexan side and back panels.



3HP Motor

The 3 Phase 3HP motor doubles the suction to 2600 CFM, allowing you to properly ventilate a backdraft hood or overcome the pressure from a HEPA or carbon filter.



Hinged Side & Back Walls

Provide extra space for your work pieces, allow longer parts room to overhang your downdraft table by hinging out the side walls.



Side Stack Silencer

Reduce the sound level of your air filtration unit. Silences noise in a duct muffler and projects it above the operator's hearing zone.



Backdraft Hood

Capture dust and fumes high above your table surface, enables users to draw particulate back away from the operator when operating 12" or more above the downdraft work surface.



48" Booth Walls

Fully enclose your work area with 48" high side and back walls with a top plate. The clean air workstation booth also comes with a backdraft hood and dust-proof light kit.



Dust-proof Light Kit

Illuminate your workspace and brighten your operations, the dust-proof light kit provides lighting without the risk of damaging the bulbs.



Minihelic Gauge

Minihelic gauge measures pressure drop over the filters to indicate when the filters must be cleaned or replaced.





Primary Filters

After Filters

NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-2X4-20NF

EFFICIENCY: MERV 15
FILTER MEDIA: NANOFIBER
MEDIA AREA: 149 SQ.FT.
COATING: FIRE RETARDANT
END CAP: OPEN/CLOSED
CLEANING METHOD: COMPRESSED AIR
MAX TEMP: 180° F / 82° C
FLANGE: NONE

HEPA

The HEPA cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



S-HEP-242412

EFFICIENCY: 99.97% AT 0.3 MICRON
FILTER MEDIA: HEPA
MEDIA AREA: 24" x 24" x 11½"
COATING: NONE
END CAP: N/A
CLEANING METHOD: DISPOSABLE
MAX TEMP: 175° F / 82° C
FLANGE: NONE

POLYTECH XI

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-2X4-20PT

EFFICIENCY: MERV 11
FILTER MEDIA: SPUNBOND POLY
MEDIA AREA: 100 SQ.FT.
COATING: WATER-REPELLENT
END CAP: OPEN/CLOSED
CLEANING METHOD: AIR + WATER WASH
MAX TEMP: 180° F / 82° C
FLANGE: NONE

CARBOTECH 50

Reversible steel canister filled with 44 lbs of activated carbon to filter VOC fumes and odors. Double the filter life by flipping the canister top-to-bottom, allowing for adequate contaminant distribution through the media.



S-CCX-50R

WEIGHT: 44 LBS
FILTER MEDIA: CARBON
MEDIA THICKNESS: 2.6"
COVER: 3/4" ANTIBACTERIAL
END CAP: TWIST LOCK REMOVABLE
CLEANING METHOD: NONE
MAX TEMP: 175° F / 80° C
FLANGE: NONE

IMPORTANT : If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

Specifications

Product No.	Airflow (CFM)	Face Velocity (FPM)	Motor (H.P.)	Pre Filter Type	Primary Filter Type	After Filter Type	Input Power (v/p/hz)	F.L.A (amps)	Noise @5ft. (dB)	Power Cord (ft.)	Weight	
											Gross (lbs.)	Net (lbs.)
WELDING, GRINDING, DEBURRING KIT												
DD-2X4-015N1-WGD	1500	340	1.5	Metal-Mesh	Nano-Fiber	—	120v/1/60Hz	14.2	75dB@ 5 ft.	15	495	310
DD-2X4-030N2-WGD	2600	450	3.0	Metal-Mesh	Nano-Fiber	—	230v/3/60Hz	9.6	77dB@ 5 ft.	—	535	340
DD-2X4-030N4-WGD	2600	450	3.0	Metal-Mesh	Nano-Fiber	—	460v/3/60Hz	4.8	77dB@ 5 ft.	—	535	340
DD-2X4-030N5-WGD	2600	450	3.0	Metal-Mesh	Nano-Fiber	—	575v/3/60Hz	3.9	77dB@ 5 ft.	—	535	340
CLEAN AIR WORK STATION												
DD-2X4-030N2-CAW	2600	450	3.0	Metal-Mesh	Nano-Fiber	—	230v/3/60Hz	9.6	77dB@ 5 ft.	—	595	400
DD-2X4-030N4-CAW	2600	450	3.0	Metal-Mesh	Nano-Fiber	—	460v/3/60Hz	4.8	77dB@ 5 ft.	—	595	400
DD-2X4-030N5-CAW	2600	450	3.0	Metal-Mesh	Nano-Fiber	—	575v/3/60Hz	3.9	77dB@ 5 ft.	—	595	400
VOC & PAINT KIT												
DD-2X4-030S2-SPR	2600	450	3.0	Paint arrestor	Poly	Activated Carbon	230v/3/60Hz	9.6	77dB@ 5 ft.	—	545	350
DD-2X4-030S4-SPR	2600	450	3.0	Paint arrestor	Poly	Activated Carbon	460v/3/60Hz	4.8	77dB@ 5 ft.	—	545	350
DD-2X4-030S5-SPR	2600	450	3.0	Paint arrestor	Poly	Activated Carbon	575v/3/60Hz	3.9	77dB@ 5 ft.	—	545	350
PLASMA CUTTING KIT												
DD-2X4-030N2-PLA	2600	450	3.0	Gravel Bed	Nano-Fiber	—	230v/3/60Hz	9.6	77dB@ 5 ft.	—	545	350
DD-2X4-030N4-PLA	2600	450	3.0	Gravel Bed	Nano-Fiber	—	460v/3/60Hz	4.8	77dB@ 5 ft.	—	545	350
DD-2X4-030N5-PLA	2600	450	3.0	Gravel Bed	Nano-Fiber	—	575v/3/60Hz	3.9	77dB@ 5 ft.	—	545	350





Welding, Grinding & Deburring Kit:

- Side and back walls
- Metal mesh pre-filter
- Grounding lug



Plasma Cutting Kit:

- 2" high steel bar grating
- Slag collection baffle with 3/4" gravel
- Metal mesh pre-filter



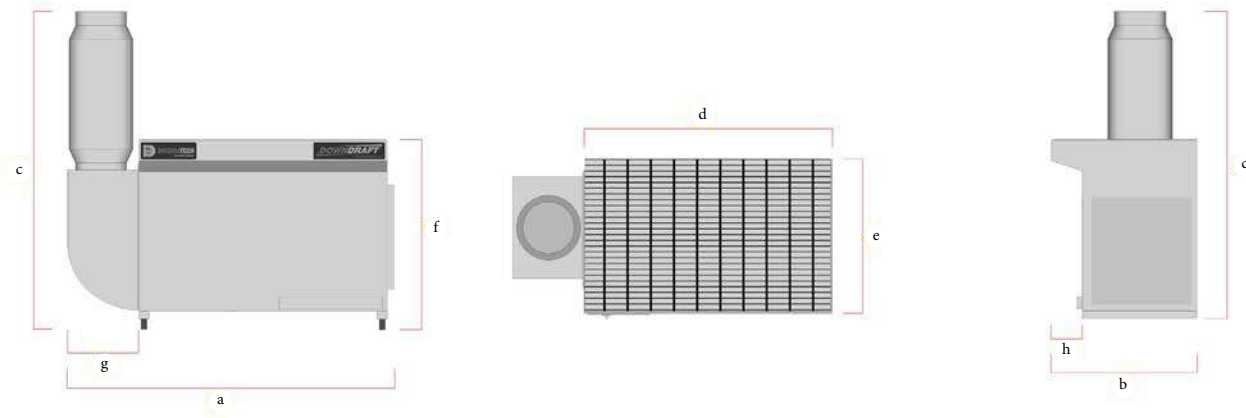
VOC & Paint Kit:

- Side and back walls
- Paint arrestor pre-filter
- Reversible carbon canister afterfilter



Clean Air Workstation:

- Side and back walls (48" high w/top cover)
- Dust & vapor proof light kit
- Backdraft hood



Dimensions **

Model	Exhaust Diameter (in.)	Footprint (in.)			Worksurface (in.)		Table Height [f]	Net Weight (lbs.)	Exhaust [g]	Overhang [h]
		Width [a]	Height [c]	Length [b]	Width [d]	Length [e]				
Downdraft Tables, Standard Size										
DD-2X4 1.5 HP	---	49.5	39	32.5	48	32	39.5	300	10.5	8
DD-2X4 3 HP	8" x 1	60	69.5	32.5	48	32	39.5	300	10.5	8
Downdraft Tables, extended overhang										
DD-2X4-EO 1.5 HP	---	49.5	39	38.5	48	38	39.5	310	10.5	12
DD-2X4-EO 3 HP	8" x 1	60	69.5	38.5	48	38	39.5	310	10.5	12

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

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DOWNDRAFT
Tables & Booths



INDUSTRIAL DOWNDRAFT TABLES

3X4, 3X6, 3X8, 4X4, 4X6, 4X8, 5X10

Diversitech's DD series of industrial downdraft tables are the trusted choice of North America's largest manufacturers, and are built to withstand the most demanding applications. Any fumes, smoke or dust from your production activities can be captured right as they are produced, before compromising your indoor air quality. Your choice of standard table sizes range from 3'x4' to 5'x10', and larger worksurfaces can be easily created by "mirroring" multiple tables.

All downdraft tables come fitted with multi-stage spark arrestance baffles, dual 10" diameter exhaust silencers and an automatic reverse-pulse filter cleaning system to help reduce maintenance requirements. Many options and accessories are available for the DD series of downdraft tables, and tables can be custom configured and built-to-order in almost any configuration.

Flexible, all-in-one, downdraft solution for dust, smoke, or fumes produced from welding, grinding, deburring, cutting, sanding, finishing, soldering, painting, or mixing.

Features:

- High capture face velocity (250fpm)
- Multi-stage spark arrestance baffling
- Industrial swivel-casters
- Reverse pulse cleaning system

Benefits:

- Hands-free capture-at-source
- Low maintenance, automatic self-cleaning system included
- Complies with OSHA guidelines for safe capture of dust, smoke, and weld fumes



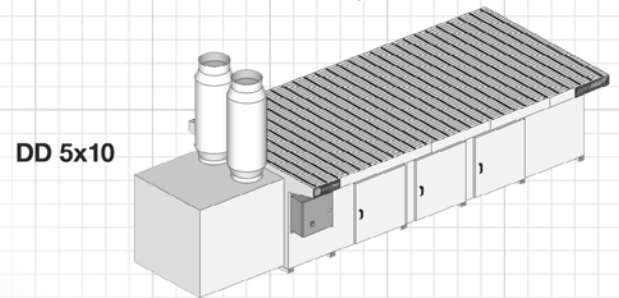
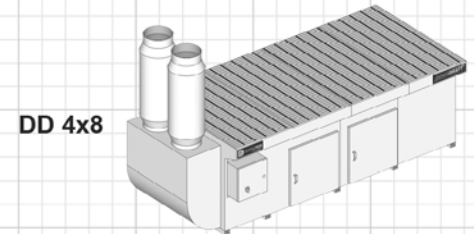
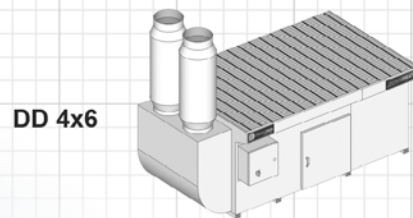
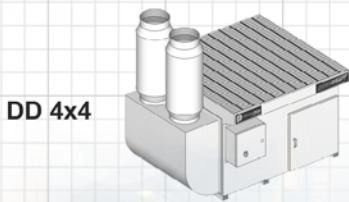
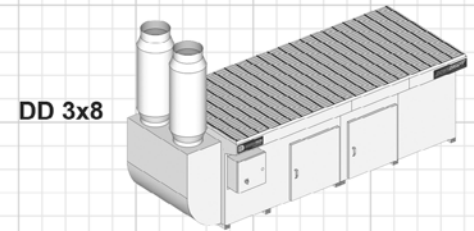
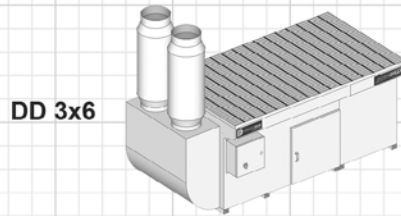
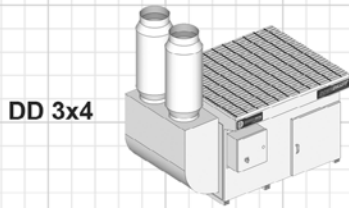
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The Industrial Downdraft Family



Welding, Grinding & Deburring Kit:

- Side and back walls
- Metal mesh pre-filter
- Grounding lug



Plasma Cutting Kit:

- 2" high steel bar grating
- Slag collection baffle with 3/4" gravel
- Metal mesh pre-filter



VOC & Paint Kit:

- Side and back walls
- Paint arrestor pre-filter
- Reversible carbon canister afterfilter



Clean Air Workstation:

- Side and back walls (48" high w/top cover)
- Dust & vapor proof light kit
- Backdraft hood





Primary Filters

After Filters

NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



EFFICIENCY: MERV 15
FILTER MEDIA: NANOFIBER
MEDIA AREA: 139 SQ.FT.
COATING: FIRE RETARDANT
END CAP: OPEN/CLOSED
CLEANING METHOD: COMPRESSED AIR
MAX TEMP: 180° F / 82° C
FLANGE: YES

HEPA

The HEPA cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



EFFICIENCY: 99.97% AT 0.3 MICRON
FILTER MEDIA: HEPA
MEDIA AREA: 24" x 24" x 11½"
COATING: NONE
END CAP: N/A
CLEANING METHOD: DISPOSABLE
MAX TEMP: 175° F / 82° C
FLANGE: NONE

POLYTECH XI

High strength, high efficiency (MERV 11) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



EFFICIENCY: MERV 11
FILTER MEDIA: SPUNBOND POLY
MEDIA AREA: 55 SQ.FT.
COATING: WATER REPELLENT
END CAP: OPEN/CLOSED
CLEANING METHOD: AIR + WATER WASH
MAX TEMP: 180° F / 82° C
FLANGE: YES

CARBOTECH 50

Reversible steel canister filled with 44 lbs of activated carbon to filter VOC fumes and odors. Double the filter life by flipping the canister top-to-bottom, allowing for adequate contaminant distribution through the media.



WEIGHT: 44 LBS
FILTER MEDIA: CARBON
MEDIA THICKNESS: 2.6"
COVER: 3/4" ANTIBACTERIAL
END CAP: TWIST LOCK REMOVABLE
CLEANING METHOD: NONE
MAX TEMP: 175° F / 80° C
FLANGE: NONE

IMPORTANT : If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

Specifications

Model	Motor (H.P)	Power				Nominal Airflow (CFM)	Static Pressure (in.)	Face Velocity (FPM)	Noise @5ft (dB)
		Phase (hz)	@230V F.L.A (amps)	@460V F.L.A (amps)	@575V F.L.A (amps)				
Industrial Downdraft Tables, three phase									
DD-3X4	5.0	3P/60Hz	15.2	7.6	6.1	4300	4.0	450	79
DD-3X6	5.0	3P/60Hz	15.2	7.6	6.1	4300	4.0	325	79
	7.5	3P/60Hz	22.0	11.0	9.0	5050	4.0	375	81
DD-3X8	7.5	3P/60Hz	22.0	11.0	9.0	5050	4.0	330	81
	10.0	3P/60Hz	28.0	14.0	11.0	6300	4.0	338	83
Industrial Multi-operator Downdraft Tables, three phase									
DD-4X4	5.0	3P/60Hz	15.2	7.6	6.1	4300	4.0	425	79
DD-4X6	7.5	3P/60Hz	22.0	11.0	9.0	5050	4.0	325	81
	10.0	3P/60Hz	28.0	14.0	11.0	6300	4.0	375	83
DD-4X8	10.0	3P/60Hz	28.0	14.0	11.0	6300	4.0	300	83
DD-5X10	15.0	3P/60Hz	42.0	21.0	17.0	8600	4.0	330	85



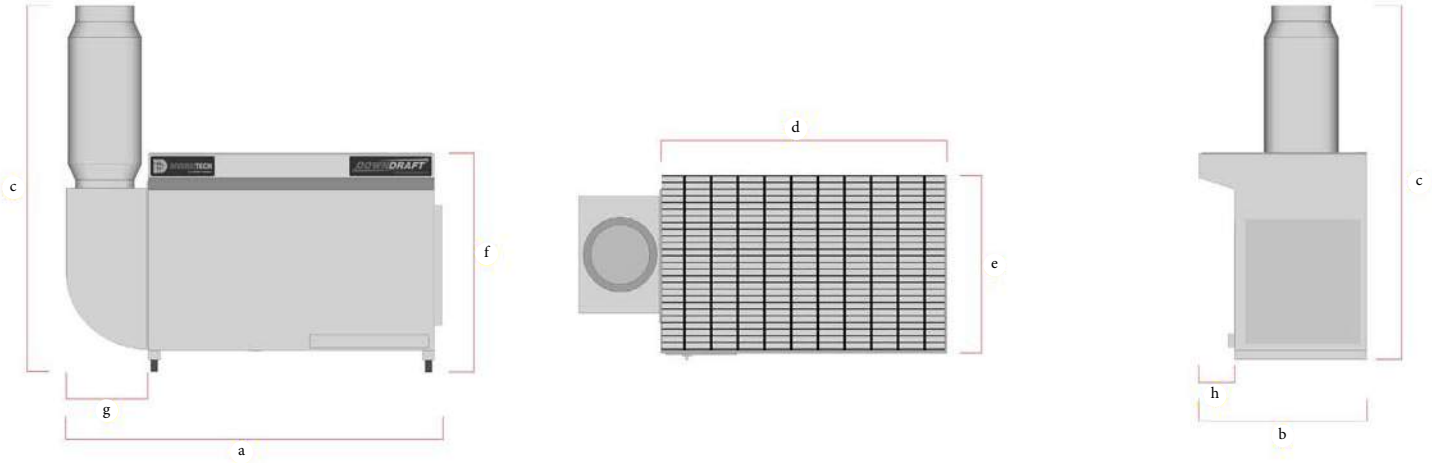


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DOWNDRAFT
Tables & Booths



Dimensions **

Model	Exhaust Diameter (in.)	Footprint (in.)			Worksurface (in.)		Table Height [f/S&B/CAW]	Net Weight (lbs.)	Exhaust [g]	Overhang [h] (in.)
		Length [b]	Width [a]	Height [c]	Length [e]	Width [d]				
Downdraft Tables, Standard Size										
DD-3X4	10 x 2	43	62	68.5	42	48	36/69/84	258	14	6
DD-3X6	10 x 2	43	87	68.5	42	72	36/69/84	329	14	6
DD-3X8	10 x 2	43	111	68.5	42	96	36/69/84	421	14	6
DD-4X4	10 x 2	49	63	68.5	48	48	36/69/84	621	14	6 x 2
DD-4X6	10 x 2	49	87	68.5	48	72	36/69/84	729	14	6 x 2
DD-4X8	10 x 2	49	111	68.5	48	96	36/69/84	875	14	6 x 2
DD-5X10	10 x 2	61	155	68.5	60	120	36/69/84	1107	34	12 x 2
Downdraft Tables, extended overhang										
DD-3X4-EO	10 x 2	49	63	68.5	48	48	36/69/84	258	14	12
DD-3X6-EO	10 x 2	49	87	68.5	48	72	36/69/84	329	14	12
DD-3X8-EO	10 x 2	49	111	68.5	48	96	36/69/84	421	14	12
DD-4X4-EO	10 x 2	61	63	68.5	60	48	36/69/84	621	14	12 x 2
DD-4X6-EO	10 x 2	61	87	68.5	60	72	36/69/84	729	14	12 x 2

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

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MONSOON

WET DOWNDRAFT TABLE



The MONSOON™ Wet Downdraft Table product series delivers the safe capture of hazardous/combustible dusts with the smallest equipment footprint in the industry. This self-contained wet downdraft table's patent-pending design achieves a very high face-velocity at a very affordable price. A wide range of application kits and custom fittings can help you meet your NFPA and OSHA requirements.

The MONSOON™ series all include industrial swivel casters, adding mobility and versatility to your application. This wet filtration table is perfect for capturing combustible dust, including mixtures of steel, aluminum, titanium, and magnesium.

The MONSOON™ works by drawing dust-laden air through the table surface and into a cascading water bath. The wet downdraft table cleans the air by using the combined action of centrifugal force and a thorough intermixing of water and dust laden air. The dust is separated from the airstream by water droplets created by the flow of air through strategically placed baffle plates. Once wet, the dust becomes permanently trapped and falls down into a reservoir.

Benefits:

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

Features:

- Auto-fill Water Control System (3X4, 3X6, 3X8)
- Anti-corrosion Stainless Steel Construction
- Motor Starter and a Non-Sparking Blower Wheel
- Low-cost mist eliminator afterfilters

Options:

- Auto Wash-down System
- WV-55 Sludge-Vac
- Side and Back Walls
- Hepa after-filter kit (99.99% @ 0.3 micron)
- Dust-Tight\Vapor-Tight Light Kit
- Auto-fill Water Control System (MDD-MINI)

**Custom configurations available on request.*



Models



MDD-MINI



MDD-3X4

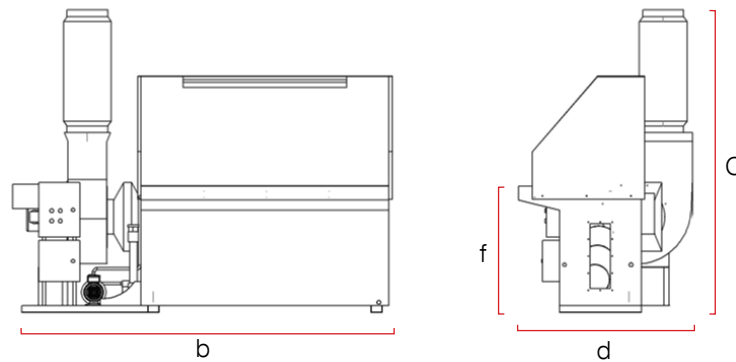


MDD-3X6



MDD-3X8

MDD-MINI and MDD-3X4 shown with optional side and back walls.



Dimensions **

Model	Footprint (in.)			Net Weight (lbs.)	Worksurface (in.)			Water	
	Width [b]	Height [C]	Length [d]		Width	Height [f]	Length	Supply (in.)	Drain (in.)
MDD-MINI	68	74	45	542	30	41	36	1/2 NPT	1 1/2" NPT
MDD-3X4	90	89	45	621	49	41	36	1/2 NPT	1 1/2" NPT
MDD-3X6	115	89	45	646	73	41	36	1/2 NPT	1 1/2" NPT
MDD-3X8	142	89	56	810	97	41	36	1/2 NPT	1 1/2" NPT

1. Water Level is marked on each unit.

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

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)	
MDD-MINI	manual	1200	23	3.0	3P / 60Hz	9.6	4.8	3.9	75
MDD-3X4	auto	3000	40	5.0	3P / 60Hz	15.2	7.6	6.1	72
MDD-3X6	auto	5000	60	10.0	3P / 60Hz	28.0	14.0	11.0	78
MDD-3X8	auto	6500	60	15.0	3P / 60Hz	34.0	16.9	14.0	80

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TYPHOON
Wet Dust Collectors

TYPHOON WX 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. 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 Typhoon 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 12 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 afterfilters

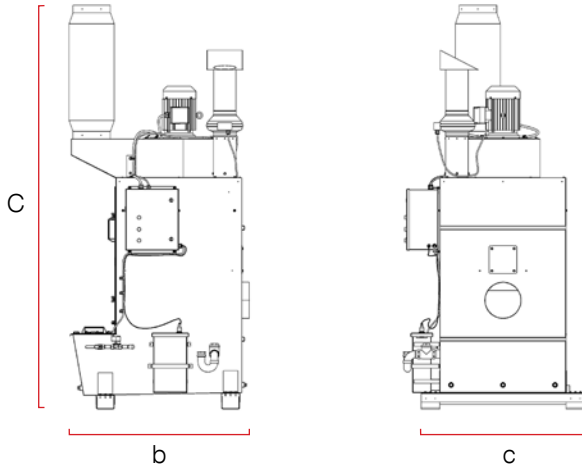


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Options



Ducted downdraft table in four standard sizes



WV-55 Sludge-Vac Removal Vacuum



High-efficiency Hepa Afterfilter kit



Bag strainer system to remove dust and sludge

*Custom configurations available on request.

Dimensions **

Model	Inlet Collar Diameter (in.)	Footprint (in.)			Net Weight (lbs.)	Water	
		Length [b]	Height [C]	Width [d]		Supply (in.)	Drain (in.)
WX-3000	10	47	109	44	738	1/2" NPT	1 1/2" NPT
WX-5000	16	61	117	57	923	1/2" NPT	1 1/2" NPT
WX-6500	16	67	129	67	1185	1/2" NPT	1 1/2" NPT

1. Water Level is marked on each unit.

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

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-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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WV-55 SLUDGE VACUUM



The WV-55 sludge vacuum offers a fast, easy way to clean dust, chips and swarf out of wet dust collectors and other equipment. The WV-55 vacuums water along with the sludge and collects the solids in a reusable 5 micron filter bag. The vacuum can then pump back out only the water for reuse in the wet collector. The sludge vac is ideal for use on machines with sumps, parts washers or any storage containers with contaminated liquids and reduces manual maintenance requirements.

The WV-55 vacuum uses a compressed air powered reversible drum vac that can fill or empty a 55 gallon drum in less than two minutes. Simply set the reversible drum vac pump to “fill” for it to quickly vacuum the liquid and solids. Once the wet collector is empty, set the pump and directional valve to “empty” for it to pump out the liquid for reuse. All the dust, chips and other solids will be collected inside the reusable filter bag for easy disposal.

Features:

- Pump assembly with directional flow valve
- 55 gallon drum
- 10' chemical resistant hose
- 20' compressed air hose
- Aluminum chip wand
- 2 reusable 5 micron filter bags
- Drum dolly

Benefits:

- Removes unwanted solids from liquid
- No moving parts, No motors to clog or wear out
- Self priming stainless steel pump
- Safe - no electricity
- Built-in pressure/vacuum relief
- Spill free - auto safety shutoff
- Quiet



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How the WV-55 Sludge Vacuum works



The vacuum hose is attached to the barbed connection of the WV-55. The directional flow control valve on top of the drum and knob on the pump are set to the “fill” position. The air supply valve is opened to permit compressed air at 80-100 PSIG (5.5 - 6.9 BAR) to flow through the pump which pulls the liquid through the hose, then into the reusable filter bag. When all liquid is in the drum, the air supply is turned off. The filtered liquid can then be pumped out by setting the directional flow control valve on top of the drum and knob on the pump to the “empty” position. Once the air supply valve is opened, the air pushes the liquid back through the hose while all solids remain in the reusable filter bag

Warning: Do not use any material that has a flash point or with flammable liquids such as fuel oil, alcohol, mineral spirits, gasoline or kerosene



Specifications & Dimensions**

Model	Air Consumption		Water Flow Rate		Sound Level	Net Weight (lbs.)	Product Dimensions (in.)		
	SCFM	SLPM	GPM	LPM			Width (in.)	Height (in.)	Length (in.)
WV-55 Sludge Removal Vacuum									
WV-55	19	538	30	114	86 dBA	45	24	48	24

*The filter bag included with the system provides 5 micron filtration.

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

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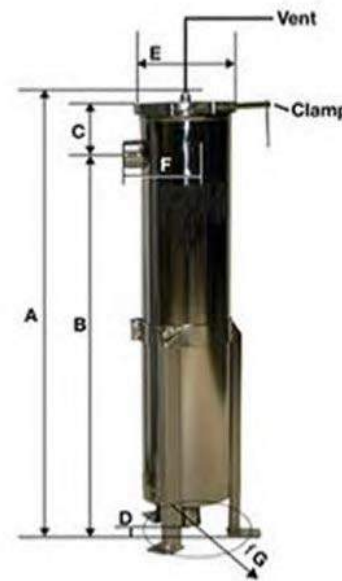
TYPHOON
Wet Dust Collectors

BAG STRAINER SYSTEM

The Diversitech Bag Strainer System provides an automated, easy way to remove sludge from Diversitech's Typhoon WX Series of wet dust collectors. The pump draws in water and particulate from the wet collector reservoir and pumps the material through a bag strainer where the sludge settles before clean water is pumped back into the collector.

Benefits:

- Automatically removes sludge from water tank
- Easy disposal of collected sludge
- Self-priming centrifugal pump



Dimensions

- A: 38 - 7/8" - 52 - 5/8"
- B: 33 - 3/4" - 47 - 1/2"
- C: 3 - 15/16"
- D: 0" - 13 - 3/4"
- E: 8"
- F: 5 - 3/8"
- G: 12 - 5/8"

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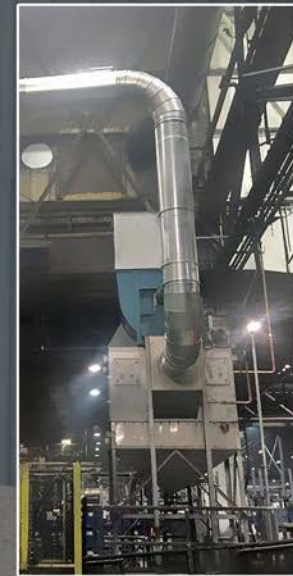


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TYPHOON

CENTRAL WET DUST COLLECTOR



The stainless steel Typhoon™ central 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 Typhoon™ central 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:

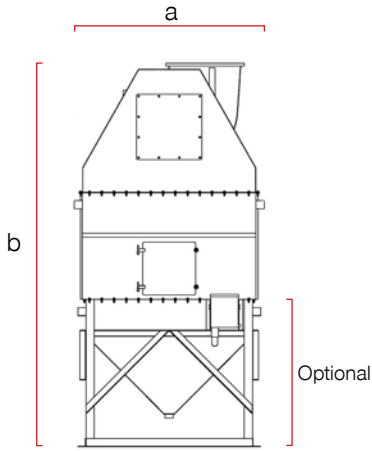
- Capture-at-source for cleaner air
- Complies with NFPA guidelines for combustible dust

Features:

- Anti-corrosion Stainless Steel #304 Construction
- Ultrasonic Auto-fill Water Control System
- Floor or Hopper floor stand configurations
- Non Sparking Blower Wheel



Options



Optional Hopper and Floor Stand

*Custom configurations available on request.



Hydrogen Vent Fan
(Required for combustible metal dust)



WV-55 Sludge-Vac
Removal Vacuum



Uplblast Silencer



HEPA afterfilter with Frame

Dimensions **

Model	Inlet Collar Diameter (in.)	Footprint			Net Weight (lbs.)	Water	
		Length [c]	Height [b]	Width [a]		Supply (in.)	Drain (in.)
TY-8000	20	7'-7"	15'-8"	7'-9"	4000	1/4" NPT	2" NPT
TY-10000	20	7'-7"	15'-8"	7'-9"	4000	1/4" NPT	2" NPT
TY-12000	20	7'-7"	15'-8"	7'-9"	4000	1/4" NPT	2" NPT

1. Water Level is marked on each unit.

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

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)	
TY-8000	auto	8000	450	30	60	80	40	32	100
TY-10000	auto	10000	450	40	60	104	52	41	100
TY-12000	auto	12000	450	50	60	130	65	52	102

1. Nominal Airflow @ 7" external static pressure.

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DUST CONTROL BOOTH

Engineered & Manufactured to any size by Diversitech



Welding



Sanding



Grinding

Diversitech's Dust Control Booth are designed to safely capture and filter airborne contaminants from metal finishing, fiberglass, composites and metal fumes.

The Dust Booth modules (DBMs) serve as the booth's filtration unit, and range in size from 4 cartridge 3000 CFM, 6 cartridge 4500 CFM to 8 cartridge 6000 CFM. The built-in reverse pulse cleaning system in the dust control booth comes standard, reducing the maintenance required and extending filter longevity.

Once the dust booths are installed, smoke, dust, and other airborne contaminants are safely drawn to the back of the booth, away from the operator's respiratory zone.

Features:

- Front access dust-drawer for easy maintenance
- Booths are self-supporting
- Modules are freestanding

Benefits:

- Customizable and modular
- Capture-at-source for Cleaner Air
- Complies with OSHA guidelines for controlling weld fumes



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How The Dust Booth Collector Works

Airborne dust enters the backdraft module and is run through a set of cartridge filters. The unit is programmed to self-clean the filters, using a reverse pulse jet to dislodge accumulated particulate. The dust then settles in a drawer below the unit for quick disposal.

Dimensions **

Model	Net Weight (lbs.)	Product Dimensions (in.)		
		Width	Height	Depth
Dust Control Booth				
EBM-4-050T	1047	38	89	44
EBM-6-075T	1311	55	89	44
EBM-8-100T	1596	71	89	44

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

Technical Specifications

Model	Airflow (CFM)	Motor (H.P.)	Primary Filter Type	Blower	Power			
					Phase (hz)	@230V (amps)	@460V (amps)	@575V (amps)
Dust Control Booth								
EBM-4-050T	3000	5.0	(4) MERV 11	TEFC	3P / 60Hz	12.8	6.4	4.6
EBM-6-075T	4000	7.5	(6) MERV 11	TEFC	3P / 60Hz	17.0	8.5	7.2
EBM-8-100T	6000	10	(8) MERV 11	TEFC	3P / 60Hz	24.0	12.0	9.6

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WET DUST COLLECTION BOOTH

Engineered & Manufactured to any size by Diversitech



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	Inlet Collar Diameter (in.)	Footprint (in.)			Net Weight (lbs.)	Water	
		Length [b]	Height [C]	Width [d]		Supply (in.)	Drain (in.)
WX-3000	10	47	109	44	738	1/2" NPT	1 1/2" NPT
WX-5000	16	61	117	57	923	1/2" NPT	1 1/2" NPT
WX-6500	16	67	129	67	1185	1/2" NPT	1 1/2" NPT

1. Water Level is marked on each unit.

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

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-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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WS WELD BOOTH

CUSTOMIZABLE WELDING BOOTH



Welding



Grinding

Diversitech's WS Weld Booths are the ideal platform to contain and capture weld fume from weld training and production facilities. Booths are modular allowing unlimited configuration and custom sizes to suit any welding environment. The booths can be outfitted with a wide variety of available options, including weld jigs, coupon stands, anti-flash UV curtains, work tables and light kits.

WS Weld Booths the optimal solution for welding schools, welding labs, technical and community colleges. Weld booths can be ducted to a central fume collection system or outfitted with self-contained fume extractors, hoods and filters to remove smoke and dust from the student' breathing zone.

Benefits:

- Capture-at-source for cleaner air
- Compact modular design
- Complies with OSHA guidelines for controlling weld fumes

Features:

- Customizable work surface
- Powder coated steel construction
- Anti-flash UV strip curtain

Options:

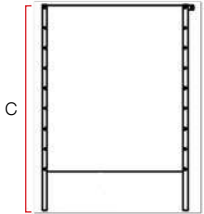
- Height Adjustable Shelving
- Gas & Air Lines
- Electrical Outlets
- Backdraft Hoods
- Fume Extraction Arms
- Dust-proof light kits
- Locker Box



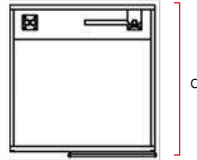


Fume Extraction Options

SIDE VIEW



TOP VIEW



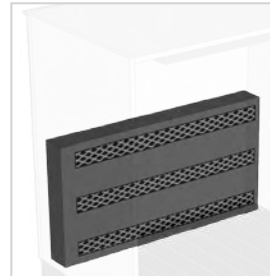
FRONT VIEW



FRED Eco Fume
Extractor Arm



Telescopic Arm



Backdraft Hood



Central Dust Collector

*Custom configurations available on request.

Dimensions **

Model	Net Weight (lbs.)	Product Dimensions (in.)		
		Width (b)	Height (C)	Depth (d)
WS Weld Booth				
WS-4x4-8	435	48	96	48
WS-5x5-8	520	60	96	60
WS-6x6-8	585	72	96	72

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



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MOBILE WELDING TRAILER

Diversitech Mobile Welder Certification Trailer With Downdraft Tables or Fume Extractors

Diversitech has designed custom mobile welding certification trailers for a variety of community colleges and technical training schools to certify and train welders on proper technique and procedures. Welding trailers can range in size from small utility trailers to large 53' trailers setup with multiple welding stations. A properly designed trailer will remove weld fumes, dusts, and other airborne contaminants to protect students and instructors from inhaling high concentration levels of fumes in a confined space.

The welder certification trailer can be outfitted with different welding fume extractors depending upon the application. Many customers opt for downdraft tables for hands free capture at source, while other applications call for welding booths with wall mounted fume collectors such as the FRED Eco II.

Whether performing MIG, TIG, Stick, Oxy Cutting, Plasma Cutting, Grinding & Deburring or for any other application, Diversitech has the solution for your mobile welding lab requirements.

Features:

- Up to 8 welding stations with fume extractors
- Work-holding fixtures, jigs and coupon stands available
- Shielding gas hookups and connections
- Compressor, air conditioner and heat pump available
- Expandable trailers with dual slideouts provide up to 1,100 square feet of space



Benefits:

- Seamless integration of trailer and fume extraction system
- Lower energy costs in heated or air-conditioned trailers
- Complies with OSHA guidelines for controlling weld fumes



WELDING • GRINDING • SANDING • PLASMA CUTTING





Specifications

Model	Airflow (CFM)	Face Velocity (FPM)	Arm/Hose Length (ft.)	Motor (H.P)	Input Power (v/p/hz)	Noise @5ft. (dB)
Mobile Welding Trailer Fume Extraction Equipment						
Fred ECO II	800	---	10 or 13	1.0	120v/1/60Hz	70 dB @ 5ft.
Mini DD	1200	250	---	1.0	120v/1/60Hz	70 dB @ 5ft.
DD 2x4	1500	340	---	1.5	120v/1/60Hz	70 dB @ 5ft.

53' Mobile Welding Trailer Lab



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FILTERHAWK
Cartridge Dust Collectors

FILTERHAWK

CARTRIDGE DUST COLLECTORS



Welding



Sanding



Grinding

The Filterhawk Series of Cartridge Dust Collectors from Diversitech features an innovative, modular design that effectively eliminates dust, smoke and other airborne contaminants from your work environment. Its durable, heavy-duty powder-coated steel construction can withstand continuous operation industrial applications.

The Filterhawk's vertical filter design allows the powerful, reverse pulse cleaning system to separate dust from the filters while preventing dust re-entrainment with baffles below, resulting in a cost-effective filter system to operate and maintain. Each filter cartridge is pulse-cleaned individually with a powerful turbo-nozzle, which ensures the maximum amount of material is blown off each filter.

Features:

- Vertical Cartridge filters (Dust is blown off the filter instead of accumulating on the top surface)
- Standard Tight-Pleat Nanotech MERV 15 nanofiber filters
- Non re-entrainment baffles
- Automatic reverse pulse cartridge cleaning system
- Hopper and floor stand or low-profile dust drawer configurations
- Heavy Duty 10-gauge main frame construction with 12-gauge steel panels

Optional Accessories:

- HEPA afterfilter
- Silencer
- Dust drawer
- Spunbond polyester filters
- Abort and Blowback damper
- Explosion vent
- Spark Arrestor
- Catwalk platform and ladder
- Fire detection and suppression system
- Variable Frequency Drive



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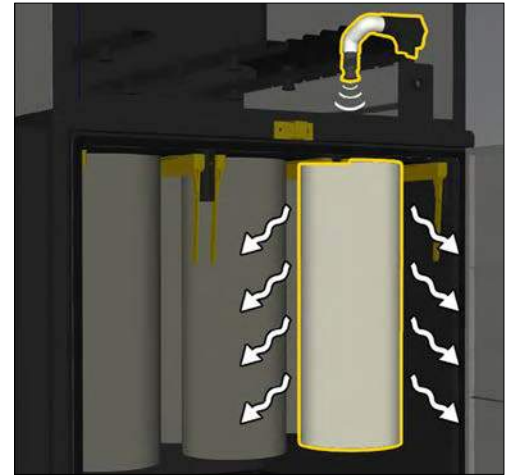


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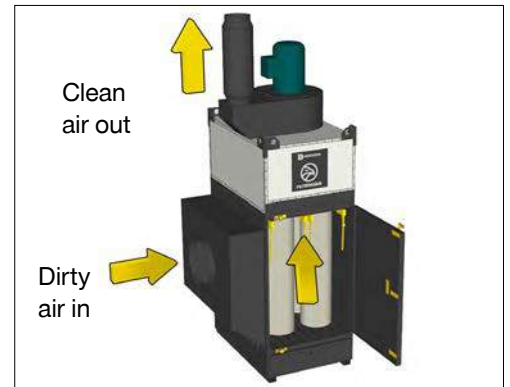
Filterhawk Advantages

- Modular for unlimited number of filters
- Continuous operation on line and off line reverse pulse
- Each filter is pulsed separately which reduces internal static pressure extending filter life and overall dust collector performance
- Shipped in modules to reduce freight costs
- Many different accessories available to meet NFPA and OSHA guidelines



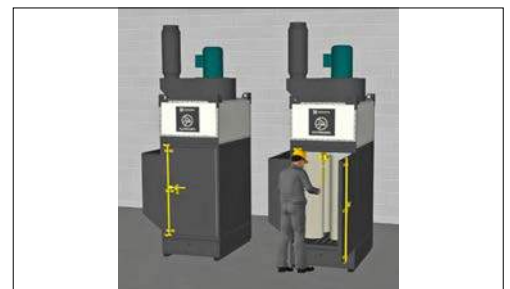
Direct - A - Flow™ Inlet

- Inlet baffle separates larger dust particulates before they reach the filters by directing the dust into the hopper or drawer
- Prevents large particulates from directly impacting the filters



Fast and Simple Filter Replacement

- Single access, no tools required
- Clamp bars provide easy filter clamping and sealing
- No doors nor knobs to be removed



Fan Specifications

- Direct Drive/Backward Inclined blower wheel
- TEFC VFD compatible premium efficiency motor, saves energy





Available Options

Floor Stand & Hopper

- 54" clearance under hopper discharge flange
- Feet with bolt holes to anchor to a concrete pad



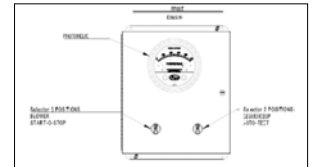
Low Profile Dust Drawer

- Reduces height by 59" from drawer to the hopper
- For low dust loading applications



Soft Start

- NEMA 12 enclosure, Magnetic SOFT START motor starter, Fuses, Thermal overload
- Step down transformer, Illuminated on/off buttons, Three position selector switch
- Integrated pulse sequencer controller board, Rotary disconnect, CSA approved



HEPA Afterfilters

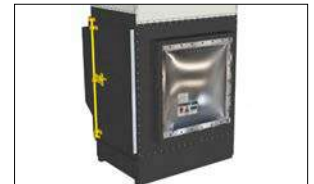
- The HEPA cartridge filter captures particles at the submicron level
- Provides the highest level of filtration efficiency 99.97% at 0.3 micron
- Hot-melt separator-style glass media pack
- Actual size: 24" x 24" x 11½"
- Maximum operating temperature: 175° F / 80° C



Combustible Dust Accessories

Explosion Vents

Domed rupture disks manufactured from 304SS, 11.6 sq. ft. (1.08 sq. meters) each. Standard vent area is suitable for Class ST1 dust with a Kst value below 200 bar*m/sec. The standard vents are designed for ambient temperature conditions. The maximum operating pressure is negative 3 PSI. Consult the factory for operating conditions other than those stated.



Blowback Damper Specifications:

- 12-gauge steel construction, flange bearings, cover type access door
- Inlet and outlet boltable ring, installed on inlet
- Ensure no re-entrainment when the blower is off
- Ensure there is a seal if a fire occurs, stopping the smoke from returning to the shop via the ductwork



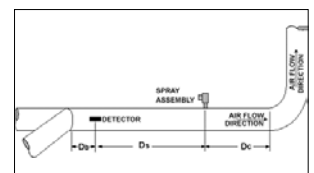
Abort Damper Specifications:

- 12-gauge steel construction, electronically controlled hinged drop plate
- Used to divert & expel air back into the atmosphere as soon as there is detection of sparks or flames
- Installed on the return duct



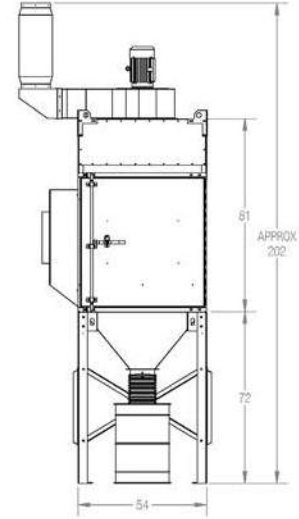
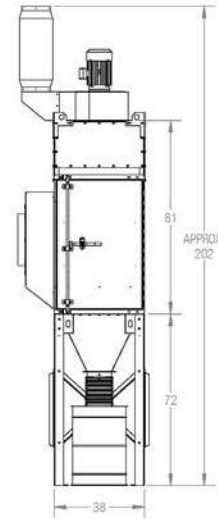
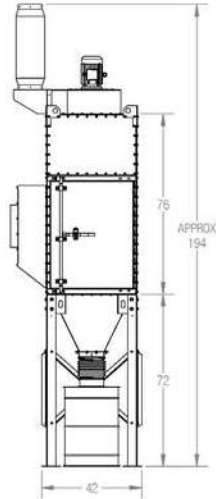
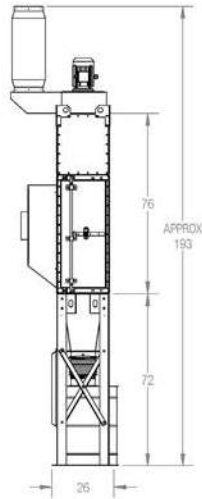
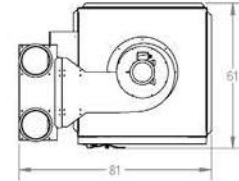
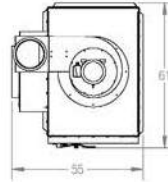
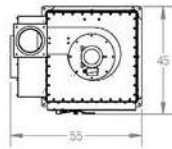
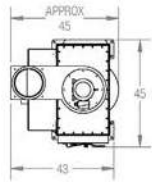
Water-Based Fire Detection & Suppression System Specifications:

- Single Zone Control Panel, Dual High Sensitivity Infra-Red Spark Detector with flange mount
- Sense check self-test feature, spray assembly - solenoid controller water
- Spray assembly and strainer, supervised water shutoff valve
- 24 Volt DC Alarm Horn w/ 4.5 Amp backup batteries





Dimensions



FH.02

FH.04

FH.06

FH.09

Technical Specifications

Model	Nominal Airflow (CFM)	Motor		Cartridges / Filters			
		(H.P)	(p/hz)	Qty.	Area (SQFT)	Size	Type
FH.02	1200	1.5	1/60	2	630	36" height	MERV 15 Nanofiber
	1800	3.0	3/60				
FH.04	1800	3.0	3/60	4	1,260	36" height	MERV 15 Nanofiber
	3000	5.0	3/60				
FH.06	3000	5.0	3/60	6	2,520	48" height	MERV 15 Nanofiber
	3600	7.5	3/60				
FH.09	3600	7.5	3/60	9	3,780	48" height	MERV 15 Nanofiber
	4000	10.0	Call				

Filterhawk Cartridge Dust Collectors can be custom-ordered with 12, 15, 18, 24 and 27 cartridge filters. Contact us for details.

IMPORTANT: If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

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FILTERHAWK
Ambient Air Cleaners



FILTERHAWK

AMBIENT TOWER COLLECTOR



Welding



Sanding



Grinding

Diversitech's Filterhawk Ambient Tower Collector is designed to collect and sequester of dust, smoke and other airborne particulates. The Filterhawk ambient tower collector forces dirty shop air through high-efficiency NanoFiber filters and returns clean air back into the facility. This helps you avoid exhausting heated or cooled air outside and keeps energy costs in line.

The Filterhawk Ambient Tower Collector includes a self-cleaning filter system, and can be fitted with a hopper and dust collection drum, making it the lowest maintenance ambient air cleaner in the industry. Available in 4500 CFM or 6000 CFM versions, the Filterhawk Ambient Tower Collector is perfect for any application where capture-at-source isn't practical.

Features:

- Dust Hopper & Drum
- (6) 36" Nanotech MERV 15 Cartridge Filters
- Self-cleaning filtration system
- Carbon Steel Welded Construction 11 ga./14 ga.

Benefits:

- Pulls harmful smoke, dust and fumes away from the operator and returns clean air back into the facility
- Customizable and modular
- Compliant with OSHA guidelines for controlling weld fumes

Options:

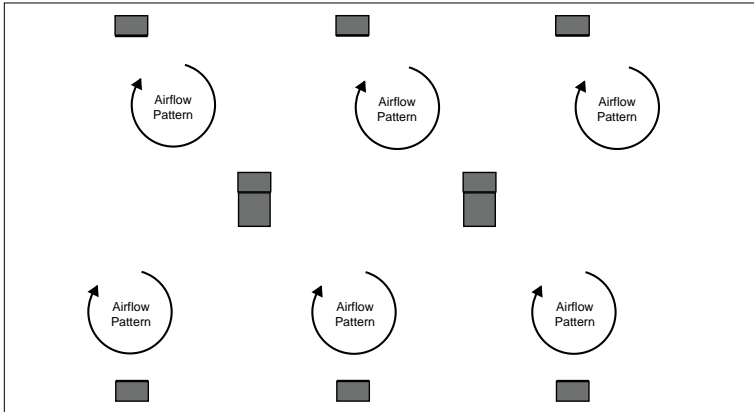
- Spunbond Polyester Filters
- Minihelic Gauge
- Lift Door Filter Access Door
- Remote mounted controls



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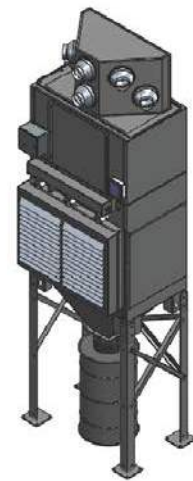
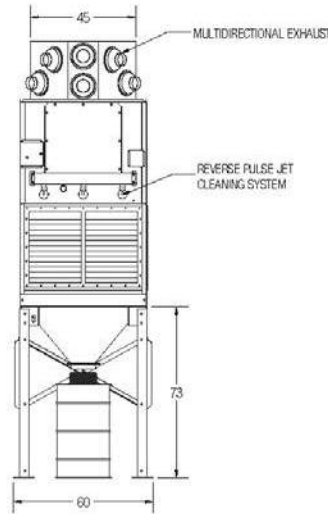
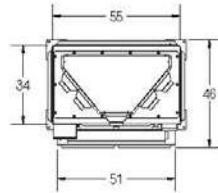
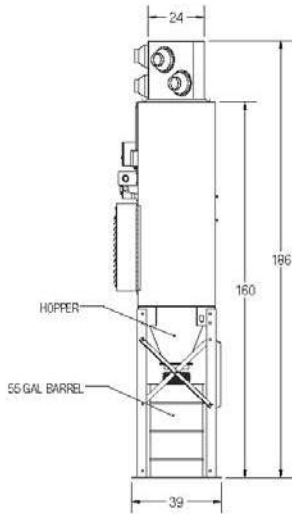
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How the Filterhawk Ambient Tower Collector works

The Filterhawk ambient tower collector pull air through a louvered inlet on the side of the unit into the primary filters. The unit contains MERV 15 nanofiber filter cartridges with a reverse pulse cleaning system which pulses the accumulated dust into a drawer below. An available hopper drum lid kit allows for the collection and disposal of the accumulated debris. The filtered air is noise level and redirecting the airflow towards the next Filterhawk ambient tower collector.

Dimensions



Technical Specifications

Model	Nominal Airflow (CFM)	Motor		Cartridges / Filters			
		(H.P)	(p/hz)	Qty.	Area (Sq. Ft.)	Size	Type
FH.AT6	4500	7.5	3/60	6	1,890	36" height	MERV 15 Nanofiber
	6000	10	3/60				

IMPORTANT : If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

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FILTERHAWK
Environmental Booths



FILTERHAWK

EBM DUST COLLECTOR



The Filterhawk EBM Dust Collector from Diversitech features an innovative design that effectively eliminates dust, smoke and other airborne contaminants when working within a Dust Control Booth.

Airborne dust enters the backdraft louver and is run through a set of cartridge filters. The unit is programmed to self-clean the filters, using a reverse pulse jet to dislodge accumulated particulate. The dust then settles in a drawer below the unit for quick disposal.

The Filterhawk EBM Dust Collector serve as the booth's filtration unit. Available in 4500 CFM or 6000 CFM versions, the Filterhawk EBM Dust Collector is perfect for any application where capture-at-source isn't practical.

Features:

- Dust drawer for low profile design
- (6) 36" Nanotech MERV 15 Cartridge Filters
- Self-cleaning filtration system
- Carbon Steel Welded Construction 11 ga./14 ga.

Benefits:

- Pulls harmful smoke, dust and fumes away from the operator and towards the back of the booth
- Customizable and modular
- Compliant with OSHA guidelines for controlling weld fumes

Options:

- Dual HEPA Afterfilter & Frame
- Spunbond Polyester Filters
- Minihelic Gauge
- Lift Door Filter Access Door



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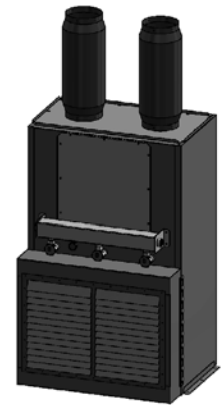
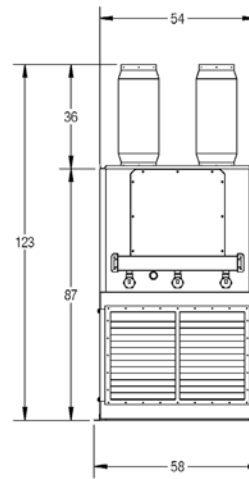
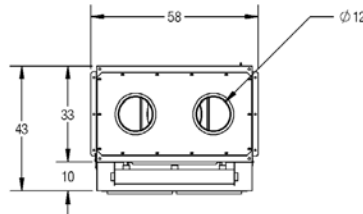
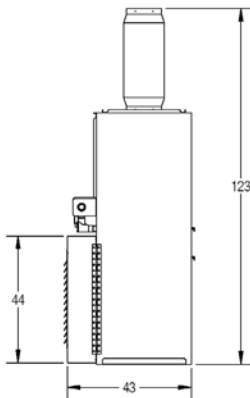


How the Filterhawk EBM Dust Collector works

Airborne dust enters the backdraft module and is run through a set of cartridge filters. The Filterhawk EBM Dust Collector is programmed to self-clean the filters, using a reverse pulse jet to dislodge accumulated particulate. The dust then settles in a drawer below the unit for quick disposal.



Dimensions



Technical Specifications

Model	Nominal Airflow (CFM)	Motor		Cartridges / Filters			
		(H.P)	(p/hz)	Qty.	Area (Sq. Ft.)	Size	Type
FH.EBM6	4500	7.5	3/60	6	1,890	36" height	MERV 15 Nanofiber
	6000	10	3/60				

IMPORTANT: If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

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DIVERSITECH

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FILTERHAWK
Ambient Air Cleaners

FILTERHAWK AM SERIES

AMBIENT AIR CLEANERS



Diversitech's Filterhawk Ambient Air Cleaners are designed to collect, dust smoke and other airborne particulates with a 3 stage filtration system consists MERV 7 prefilters, MERV 8 Panel filter and MERV 14 primary multi-pocket bag filters. The T configuration of drawing dirty air in through the sides and exhausting clean air out creates a circular airflow pattern in your shop to quickly and efficiently clean and exchange the air. These ambient air cleaners are constructed using powder coated steel. The modular configuration of the Filterhawk allows units to be combined with multiple modules in a double or quad setup to increase the amount filter media. The air cleaners can be easily installed in your facility with an optional wall mounting bracket or eyebolts to hang the units with chains.

Features:

- Powder coated steel
- Chain hung or wall mounted
- Three-stage filtration system

Applications:

- Welding smoke and fumes
- Wood dust
- Dust from grinding

Options:

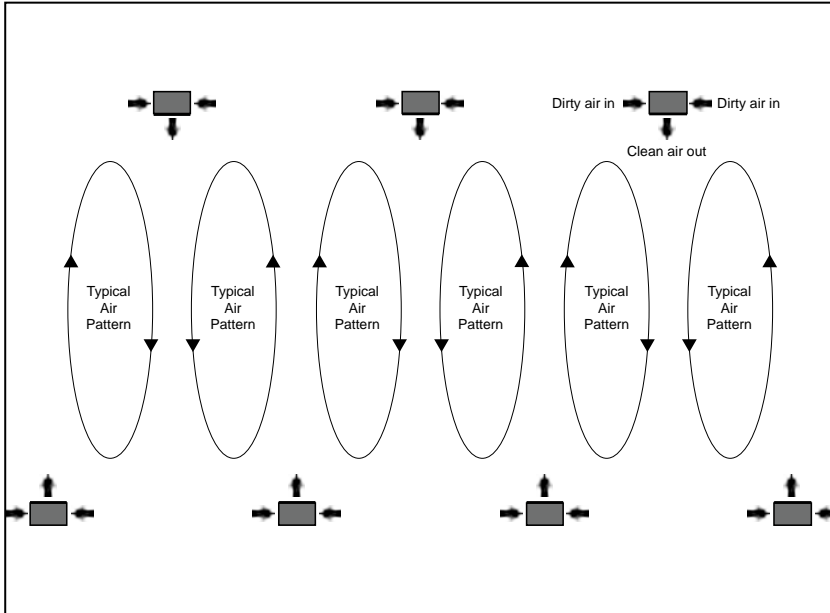
- Wall mounting bracket
- Manometer



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How the Filterhawk Ambient Cleaners works

The Filterhawk ambient air cleaners are typically either setup in a wall mounted configuration along a wall or column, or are chain hung with eyebolts on the trusses of a building. The units are built from a rugged powder coated steel structure. Air cleaners are typically arranged in a staggered layout along the perimeter of the plant to ensure a circular airflow pattern between units. Dirty air is pulled in from both sides of the unit, through a 4" panel prefilter and two MERV 14 bag air filters. The air is then blown out the front exhaust of the unit, moving dirty air over into the next air cleaner through creating a T like airflow pattern.

Technical Specifications

Model	Airflow (CFM)	Motor (H.P.)	Pre Filter Type	Paper Pleated Filter	Bag Air Filter	Blower	Input Power (v/p/hz)	F.L.A (amps)
AM-3000	3000	1.5	(2) MERV 7	(2) MERV 8	(2) MERV 14	Belt Drive	120v/1/60Hz	15.5
AM-4500	4500	3.0	(2) MERV 7	(2) MERV 8	(2) MERV 14	Belt Drive	230/460/575v/3/60Hz	9.6/4.8/3.9

Dimensions **

Model	Product Dimensions (in.)			Net Weight (lbs.)
	Height (in.)	Length (in.)	Depth (in.)	
AM-3000	25	72	25	390
AM-4500	25	72	25	428

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

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