DIVERSITECH
air pollution solutions

DD 5x10

INDUSTRIAL DOWNDRAFT TABLES

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.

DD 3x4

DD 3x6

Ideal Applications:

- Welding
- Grinding & Deburring
- Oxy Cutting
- Spray Painting
- Sanding & Buffing
- Powder Mixing
- Odor Control
- Utility Table
- Finishing

Reliable, 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
- Multi-stage spark arrestance baffling
- 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

Mirrored downdraft tables to create long ventilated worksurface

WELDING • GRINDING • SANDING • DEBURRING • PAINTING

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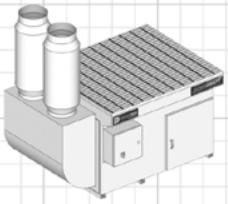
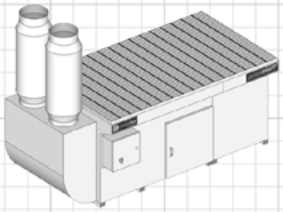
The Industrial Downdraft Family

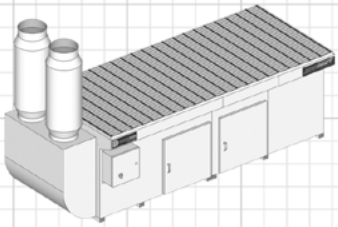
DD 3x4



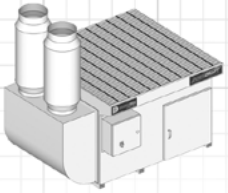
DD 3x6



DD 3x8



DD 4x4



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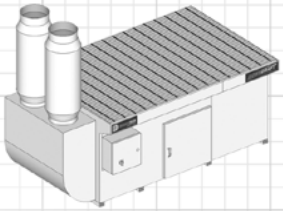
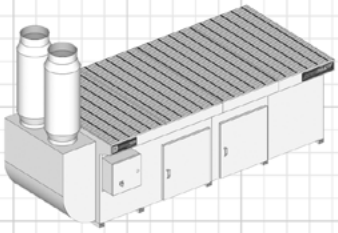
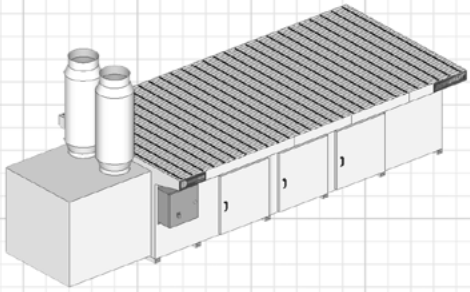


DD 4x8



DD 5x10



Options:

- Extended overhang cabinet
- Side and back walls (steel or clear lexan)
- Backdraft hood with sliding gates
- Dust and vapour proof light kit
- Filter service minihelic gauge
- Cushion grid mat for table surface

Filter Options:

- Activated carbon canister afterfilter
- Spunbond poly cartridge filter (washable) MERV 11
- HEPA afterfilter - MERV 17 - 99.97% @ 0.3 micron

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

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Primary 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.

EFFICIENCY:	MERV 15
FILTER MEDIA:	NANOFIBER
MEDIA AREA:	140 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.

EFFICIENCY:	MERV 11
FILTER MEDIA:	SPUN-BOND 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:	NONE

After Filter

CARBOTECH 50

Reusable steel canister filled with 50lbs 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:	50LBS
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

HEPA

MERV 17 efficient HEPA filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.

EFFICIENCY:	MERV 17
FILTER MEDIA:	HEPA
SIZE:	24" × 24" × 11½"
COATING:	NONE
END CAP:	N/A
CLEANING METHOD	DISPOSABLE
MAX TEMP:	175° F / 80° C
FLANGE:	NONE

Technical 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	4800	4.0	375	81
DD-3X8	7.5	3P/60Hz	22.0	11.0	9.0	4800	4.0	330	81
	10.0	3P/60Hz	28.0	14.0	11.0	5050	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	4800	4.0	325	81
	10.0	3P/60Hz	28.0	14.0	11.0	5050	4.0	375	83
DD-4X8	10.0	3P/60Hz	28.0	14.0	11.0	5050	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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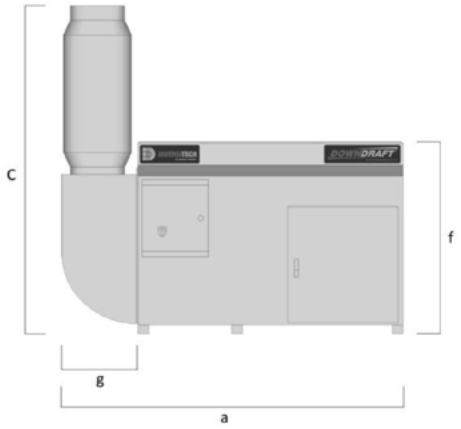

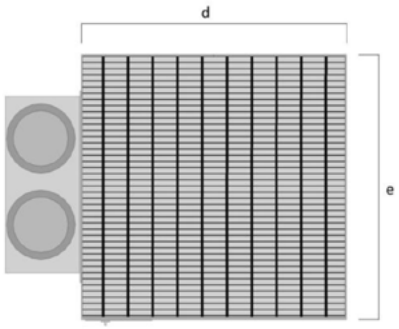

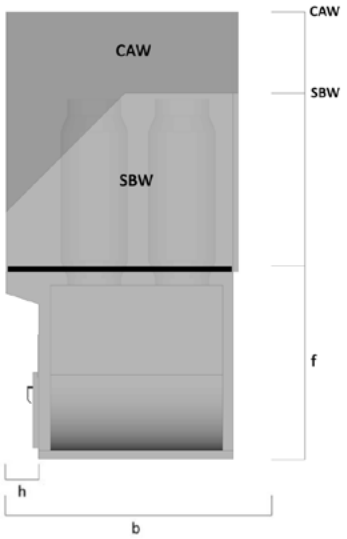

Dimensions Table

Model	Exhaust Diameter (in.)	Footprint (in.)			Worksurface (in.)		Table Height [f/S&B/CAW]	Net Weight (lbs.)	Exhaust [g]	Overhang [h] (in.)	Shipping Dimensions (in.)			Gross Weight (lbs.)
		Length [b]	Width [a]	Height [C]	Length [e]	Width [d]					Length	Width	Height	
Downdraft Tables, Standard Size														
DD-3X4	10 x 2	43	62	68.5	42	48	36/69/84	258	14	6	76	53	84	624
DD-3X6	10 x 2	43	87	68.5	42	72	36/69/84	329	14	6	105	54	84	850
DD-3X8	10 x 2	43	111	68.5	42	96	36/69/84	421	14	6	122	54	84	1125
DD-4X4	10 x 2	49	63	68.5	48	48	36/69/84	621	14	6 x 2	72	72	84	875
DD-4X6	10 x 2	49	87	68.5	48	72	36/69/84	729	14	6 x 2	102	62	84	1050
DD-4X8	10 x 2	49	111	68.5	48	96	36/69/84	875	14	6 x 2	122	62	84	1320
DD-5X10	10 x 2	61	155	68.5	60	120	36/69/84	1107	34	12 x 2	145	70	84	1890
Downdraft Tables, extended overhang														
DD-3X4-EO	10 x 2	49	63	68.5	48	48	36/69/84	258	14	12	76	65	84	685
DD-3X6-EO	10 x 2	49	87	68.5	48	72	36/69/84	329	14	12	120	65	84	910
DD-3X8-EO	10 x 2	49	111	68.5	48	96	36/69/84	421	14	12	144	65	84	1225
DD-4X4-EO	10 x 2	61	63	68.5	60	48	36/69/84	621	14	12 x 2	89	80	82	945
DD-4X6-EO	10 x 2	61	87	68.5	60	72	36/69/84	729	14	12 x 2	104	80	82	1175

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