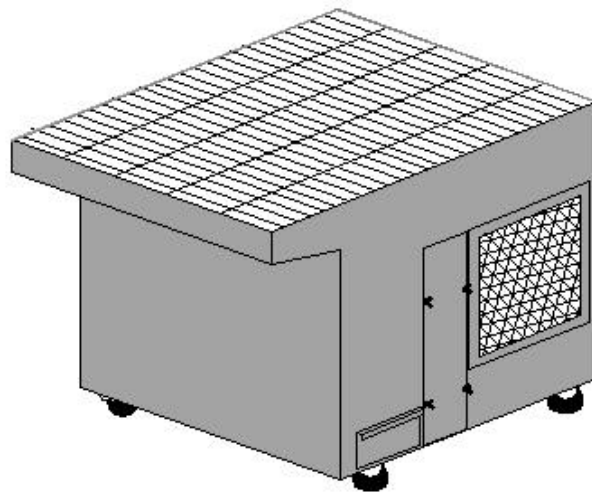


 DIVERSI-TECH inc.
DOWNDRAFT TABLES

OWNER'S MANUAL

MODEL MINIDD



IMPORTANT

This manual contains specific cautionary statements relative to worker safety. Read this manual thoroughly and follow as directed. Hazards of dust control equipment are not all listed in this manual. It is important that use of the equipment be discussed with a Diversi-tech Representative. Persons involved with the equipment or systems should be instructed to operate in a safe manner.

Table of Contents

Upon Arrival.....	3
Maintenance	3
Downdraft Table Specifications.....	4
Downdraft Table Specifications (all models)	5
Exploded Views of downdraft table w/ options	6
Table Options, Replacement Parts & Application Kits.....	7
The Downdraft Table Family.....	8
Warranty.....	9



Caution

Avoid mixing combustible materials, such as buffing lint, paper, wood, aluminum, and magnesium dust, and with dust generate from grinding ferrous metals due to the potential fire hazard caused by sparks in the dust collector. All users of Diversi-tech Equipment should comply with all National and Local Fire Codes and / or other appropriate codes when determining the location and operation of dust control equipment.

UPON ARRIVAL

The Diversi-tech downdraft table is shipped on a crated skid. The skid should be inspected for any visible damage that may have occurred during shipment. If the downdraft table appears to have been damaged during shipping, please advise transport company as soon as possible.

Installations : There are no installations required. The unit is ready for use.

Warning: Always disconnect power supply before servicing the blower wheel & motor or working with the unit for any reason.

MAINTENANCE

Filter Cleaning

It is necessary to manually clean the filters occasionally. A visual inspection or decrease in downdraft velocity are usually good indicators that the filters need cleaning or need to be replaced. To clean the filters, remove the filter door panel located on the right side of the unit by unscrewing the 4 black plastic knobs. Once the panel is removed the filters are exposed. Pull them out. The filters should then be blown with compressed air and should be done outside or in a large bag for easy disposal. The filter needs to be replaced periodically; visual inspections during the first few weeks of operation can help to determine when filters should be replaced.

Dust Drawer

The dust drawer should be emptied periodically. Visual inspections during the first few weeks of operation will determine proper dumping cycle.

Carbon Filter (option)

This gas adsorber comes complete with activated carbon granules in a 20x25x2 (or 4) module; which slides into the filter track. 1.75lbs of granular carbon are present in each filter. This filter is strictly disposable.

Metal Mesh Prefilters (option)

The Prefilters located inside the baffle tray should be taken out and either blown out with compressed air or washed depending on how dirty they have become.

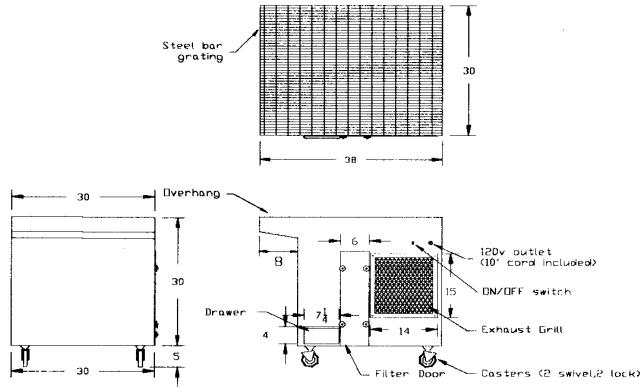
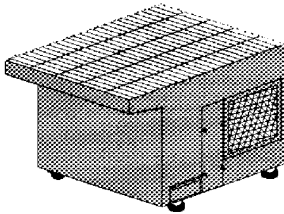
Continuous Cleaning Operations

Particles and stray material at the surface should be blown into the table towards the filter using compressed air. If a PVC mat (option) is used, it must be swept clean with a broom, directing particles into the table.

DIVERSITECH Inc.
DOWNDRAFT TABLES

Model MiniDD

Specifications



General Info:

The Diversi-Tech Mini-DD is a portable downdraft table designed for dust and smoke collection. The Mini-DD features an extended paper pleat filter with an arrestance rating of 92% @ 2 microns along with a 2" deep aluminium mesh prefilter. The aluminium mesh filter is washable while the main filter must be replaced periodically. Other filter arrangements are available to suit your application.

BASIC:

Model #: MiniDD
 Cleaning Method: Manually cleaning system
 Air Flow (CFM): 1,200cfm
 Avg Velocity (FPM): 200 fpm
 Operating Temp.: 70°F.± ambient

FAN:

Motor/Blower: 1HP TEFC motor/blower
 120v, single phase
 Capacity: 1,200cfm @ 2.5" s.p
 Starter: on/off switch and 10' cord with plug

FILTRATION:

Qty: 2,
 Aluminum Mesh Heavy Duty Prefilter
 & 30% Main Pleated Filter
 Dimensions: 20"x25"x2" (for both)
 Filter removal: Access panel on right side
 Inlet: Top
 Discharge: 1 dust drawer

SPARK ARRESTANCE FEATURES:

1. Second stage Metal mesh prefilters (option)
2. Spark trap: baffle trays (std)

CABINET:

Weight: 145lbs
 Dimensions: 30" x 38"
 Work Surface: 30" x 38"
 Cabinet: 30" x 38" x 34" high
 Material: Mild steel
 Thickness: Reinforced 14&16 gauge
 Color: Dark Grey
 Paint Finish: Powder Coat primer & finish
 Surface preparation: Cleaned and brushed
 Table Surface: Steel bar grating w/ 1"x4" slot openings

PORTABILITY:

2 Swivel, 2 locking neoprene casters (3" diameter)

OPTIONS:

Side and Back Walls, Plexiglass Side and Back Walls, Hinged Side and Back Walls, PVC matting above steel bar grating, Metal mesh prefilter, Paint Arrestor prefilter, Fiberglass/ Aluminum Bar grating, H.E.P.A filter, Activated Carbon Filtration, Minihelic Gauge, Dust Proof Light Kit, Capture Arm mounted to table 8"dia. x 11' long, Grounding lug.

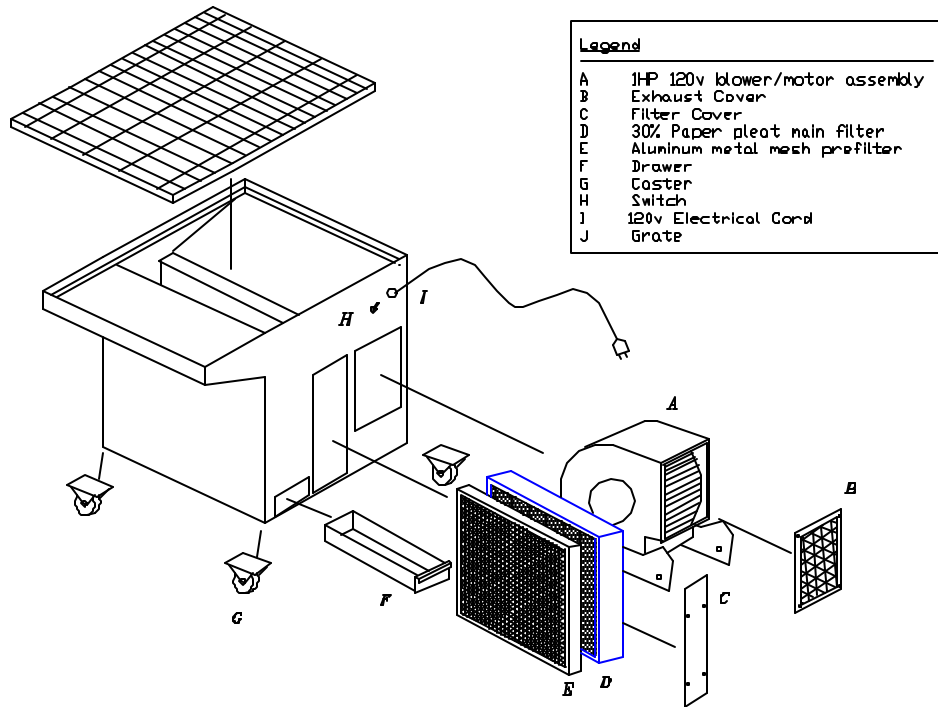
DIVERSITECH INC
 590 ORLY, DORVAL , QUEBEC, CANADA H9P 1E9
 TEL: 514-631-7300 OR 1-800-361-3733
 FAX: 514-631-9480
 WEBSITE: WWW.DIVERSITECHDOWNDRAFT.COM
 EMAIL: INFO@DIVERSITECHDOWNDRAFT.COM



Standard Specifications

MODEL	MINI-DD	DD2X4	DD3X4	DD3X6	DD3X8	DD4x4	DD4x6	DD4X8
Cleaning method	manual	push button reverse pulse	reverse pulse auto-clean	reverse pulse auto-clean	reverse pulse auto-clean	reverse pulse auto-clean	reverse pulse auto-clean	reverse pulse auto-clean
Avg air flow (cfm)	1200cfm @ 2.5"h20	1500cfm @ 4"h20	3000cfm @ 4"h20	4300cfm @ 4"h20	5050cfm @ 4"h20	3000cfm @ 4"h20	4300cfm @ 4"h20	5050cfm @ 4"h20
Avg open face velocity (fpm)	200fpm	280fpm	250fpm	240fpm	210fpm	300fpm	325fpm	270fpm
Motor	1hp (120v)	1.5hp (120v)	7.5 hp (208-230/460/575v)	7.5 hp (208-230/460/575v)	10 hp (208-230/460/575v)	7.5 hp (208-230/460/575v)	7.5 hp (208-230/460/575v)	10 hp (208-230/460/575v)
High static option	n/a	3hp / 2600cfm/ 325fpm	n/a	10hp / 5000cfm/ 4 cartridge/ 310fpm	6 cartridges	n/a	10hp / 5000cfm/ 4 cartridge/ 400fpm	6 cartridges
Table dimensions (d x w x h)	38"x30"x34"	32" x 48" x 39"	42" x 48" x 36"	42" x 72" x 36"	42" x 96" x 36"	48" x 48" x 36"	48" x 72" x 36"	48" x 96" x 36"
Work surface dimensions	38" x 30"	32" x 48"	42" x 48"	42" x 72"	42" x 96"	48" x 48"	48" x 72"	48" x 96"
Weight	145lbs	280lbs	450lbs	650lbs	850lbs	500lbs	700lbs	900lbs
Sound level (dBA) @2'	72dBA	75dBA	79dBA	79dBA	81dBA	79dBA	79dBA	81dBA
Construction	14-16 gauge CRS	14-16 gauge CRS	14-16 gauge CRS	14-16 gauge CRS	14-16 gauge CRS	14-16 gauge CRS	14-16 gauge CRS	14-16 gauge CRS
Main filter	Paper pleat 20"x25"x2" filter	Paper pleat 17" dia x 20"long cartridge	Paper pleat 12" dia x 16"long cartridge	Paper pleat 12" dia x 16"long cartridge	Paper pleat 12" dia x 16"long cartridge	Paper pleat 12" dia x 16"long cartridge	Paper pleat 12" dia x 16"long cartridge	Paper pleat 12" dia x 16"long cartridge
Filter efficiency	92% @ 2 micron qty:1	99.5% @0.5 micron qty:1	99.5% @0.5 micron qty:2	99.5% @0.5 micron qty:2	99.5% @0.5 micron qty:4	99.5% @0.5 micron qty:2	99.5% @0.5 micron qty:2	99.5% @0.5 micron qty:4

Exploded View of Model MiniDD Downdraft Table



Exploded View of MiniDD Downdraft Table Options

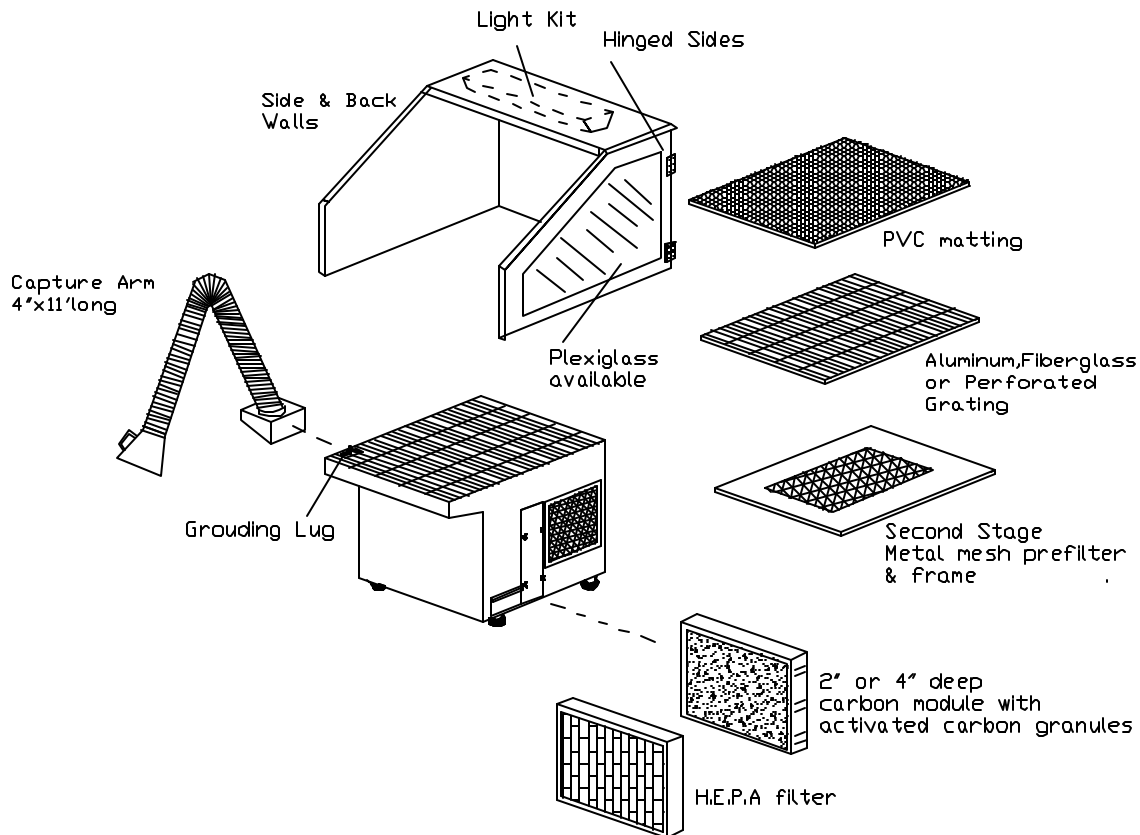


Table Options

Part Number	Description
O-MINI-SBW	Side and back walls
O-MINI-HSBW	Hinged side and back walls
O-MINI-PVC	PVC mat (placed above grating on table surface)
O-MINI-MM	Metal mesh prefilter and frame
O-MINI-FG	Fiberglass grating
O-MINI-AG	Aluminum grating
O-MINI-HF	Hepa filter
O-MINI-GOA	Gas odor adsorption kit
O-MINI-MH	Minihelic gauge
O-MINI-LK	Dust proof light kit
O-MINI-CA	Capture arm 8" dia.x11"long
O-MINI-GL	Grounding lug

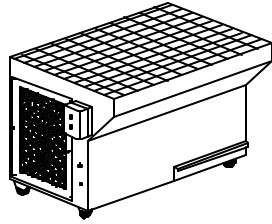
Replacement Parts

Part Number	Description
S-MINI-0001	1HP Motor/blower assembly
S-MINI-0002	3" casters (set of 4)
S-MINI-0003	30% Paper pleat main filter
S-MINI-0004	95% Paper pleat main filter
S-MINI-0005	Aluminum Mesh Prefilter
S-MINI-0006	Activated Carbon filter
S-MINI-0007	Plastic filter door knobs (set of 4)
S-MINI-0008	On/off switch
S-MINI-0009	10' Electrical cord and plug
S-MINI-0010	Fiberglass grating
S-MINI-0011	Aluminum grating
S-MINI-0012	Perforated Steel grill
S-MINI-0013	Metal mesh prefilter with frame
S-MINI-0014	Metal mesh prefilter without frame
S-MINI-0015	55lbs bag of A40 activated carbon
S-MINI-0016	Paint arrestor filter
S-MINI-0017	Paint arrestor filter and frame
S-MINI-0018	HEPA Filter 99.95%Eff.

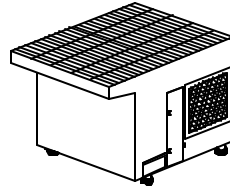
Application Kits Available

Part Number	Description
K-MINI-WELD	WELDING APPLICATIONS KIT Grounding Lug, Second stage metal mesh prefilter, Side and Back Walls
K-MINI-GD	GRINDING & DEBURRING KIT Second stage metal mesh prefilter, Side and Back Walls
K-MINI-AGD	ALUMINUM GRINDING & DEBURRING KIT Second stage metal mesh prefilter, Side and Back Walls, PVC mat
K-MINI--GOA	GAS&ODOR ADSORPTION KIT Activated carbon granules in a module (slides into filter track)
K-MINI-SP	SPRAY&TOUCH UP PAINT KIT Side and Back Walls,Paint arrestor filter & frame,10 spare filters , activated carbon granules in a module

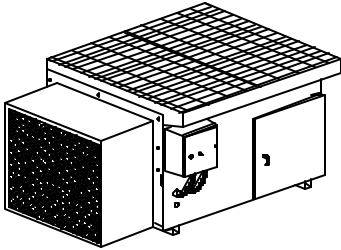
The Downdraft Table Family



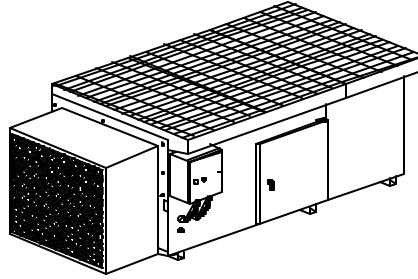
DD2X4



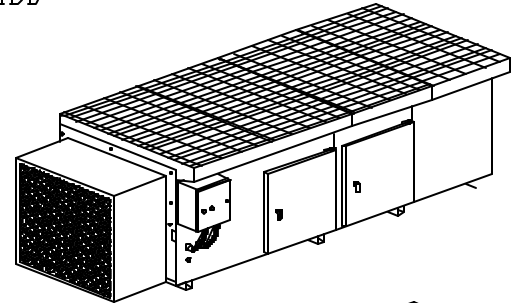
MINIDD



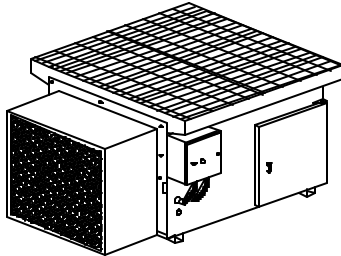
DD3X4



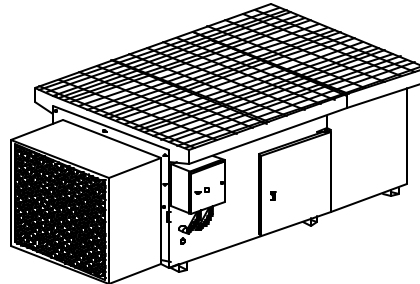
DD3X6



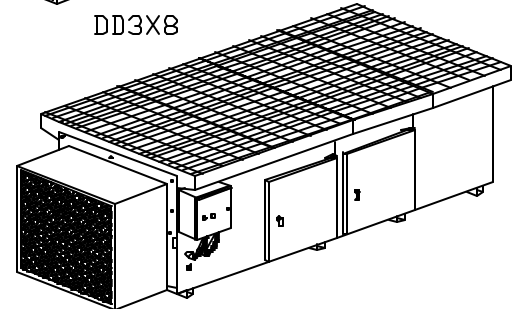
DD3X8



DD4X4



DD4X6



DD4X8

WARRANTY

Effective immediately, the following policy will apply to all equipment.

LIMITED EQUIPMENT WARRANTY

All Diversi-Tech units are warranted to be free from defects in material and workmanship for a period of two years from the date of purchase. Diversi-Tech Inc. will repair or replace, at our option, any defective parts returned to the manufacturer's plant in Montreal - Quebec freight prepaid- which fail during the warranty period. This warranty is limited to replacement parts and labour ONLY, subject to on site or in house evaluation of defective materials and does not apply to any personal liability or property loss that occurs due to the use or installation of this equipment.

FREIGHTCLAIMS

All Diversi-Tech units are sold ex-plant, Montreal, Qc., Canada. Therefore, it is the user's responsibility to file any freight claims for obvious or concealed damages which developed in transit from Montreal to your location or when drop shipped.

RETURN MATERIAL POLICY

1. Prior to the return of material, for whatever reason, a return manufacturing authorization number (RMA#) is required from the Diversi-Tech production control department.
This procedure is necessary for proper control and handling of returned materials. Fax us or call to obtain the RMA.
2. All material must be returned prepaid. Credit will be given for returns for warranty repair or replacement. Freight collect shipments will not be accepted. It is the shipper's responsibility to insure that material being returned to Diversi-Tech is adequately packaged for shipment to preclude damages.

Diversi-Tech Inc.

590 Orly, Dorval, Québec H9P 1E9

Telephone: (514) 631-7300

Fax: (514) 631-9480

Toll Free: 1 800 361-3733

info@diversitechdowndraft.com
www.diversitechdowndraft.com