



DIVERSI-TECH inc.

# ***DOWNDRAFT*** ***TABLES***



## **Mini DD** **OWNERS MANUAL**

Revised: November 2003

## **UPON ARRIVAL**

- Uncrate unit

### **Verify that:**

- Table is well intact
- 2 table surface grates have been supplied
- 2 spark baffle trays have been supplied

Note: If table appears to have been damaged during shipping, please advise your transport company immediately

## **ELECTRICAL CONNECTION**

- 120V/1/60 connection supplied

## **START-UP:**

This unit is ready to use right out of the crate. Just plug & use.

## **MAINTENANCE:**

- It is necessary to manually clean the filters occasionally.
- A visual inspection or loss of CFM (suction) are usually good indicators that the filters need cleaning.
- To clean the filters, remove the side door. Once the door panel is off the cartridges will be exposed. Just pull out.
- The cartridges should then be turned horizontally and tapped to remove the debris. This can be done directly onto a bag for easy disposal.
- A second step is to blow compressed air through the filter from the inside out.. This should be done outside or in a well ventilated area.
- The filter needs to be replaced periodically.

Note: Do not wet or clean the filters with any liquid unless specified by manufacturer, as it may cause blockage or damage. Only the metal-mesh filter may be washed.

### **Carbon Filter (Optional):**

- This optional gas absorber comes complete with activated carbon in a \_ inch honeycomb construction. 1.75lbs. of granular carbon are present in each 20x25x2 inch filter. This filter is strictly disposable.

### **Dust Drawer:**

- The dust drawer should be emptied periodically. Make visual inspections during the first few weeks of operation to determine proper dumping cycle.
- Periodically inspect the gasket to ensure proper sealing. Replace if needed.

## **MAINTENANCE CLEANING SCHEDULE**

### **Daily Procedure:**

- Particles and stray material at the surface should be blown in to the table towards the filter using compressed air.
- If metal mesh prefilters are being used, reverse their direction prior to blowing out into the table.
- If a rubber mat is being used, it will need to be swept clean with a small broom, directing the particles into the table.

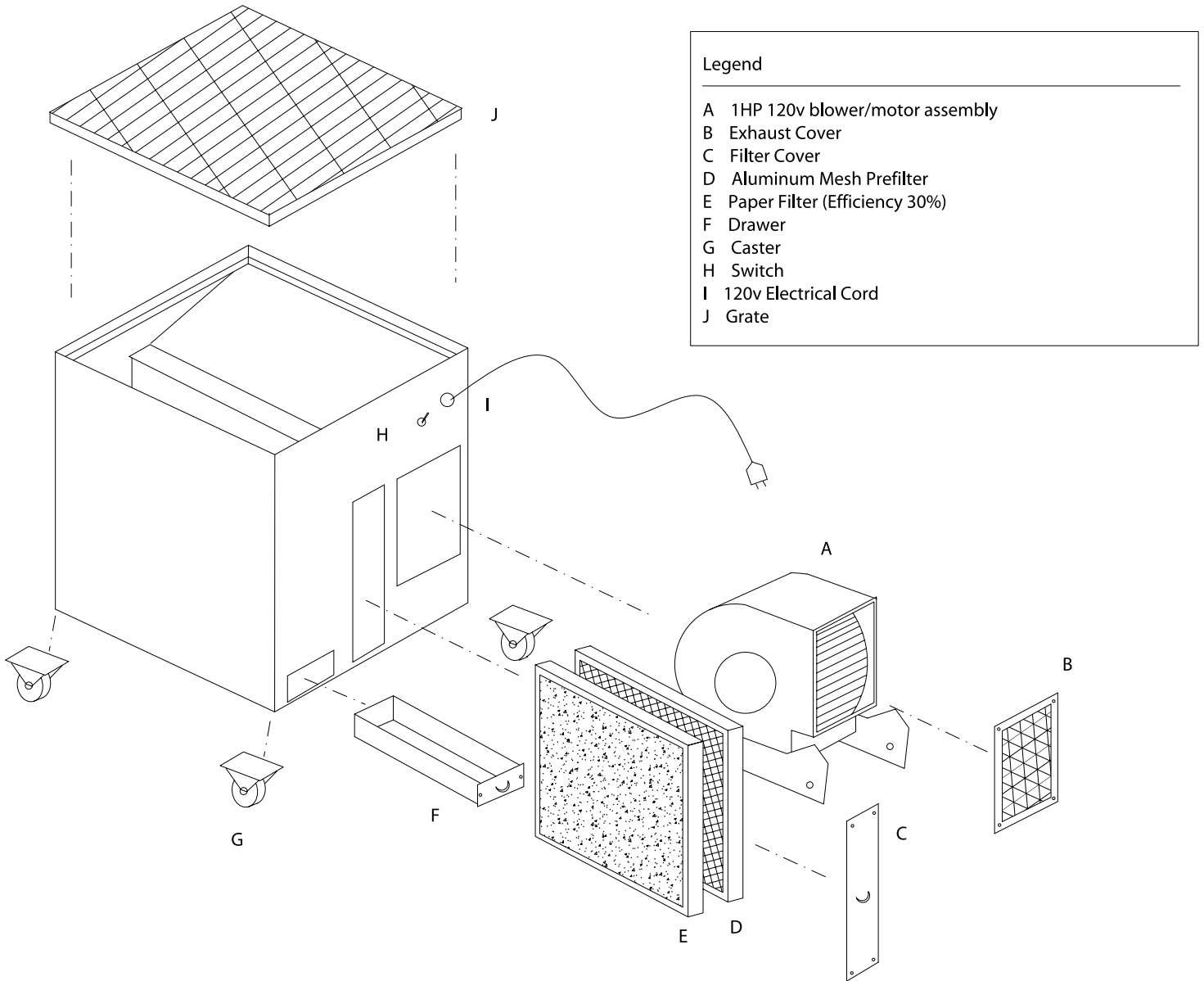
### **Weekly Maintenance:**

- Metal mesh filters should be pulled out and either blown out with air (or washed) depending on how dirty they have become. Similar maintenance is required for spark baffle trays.
- With the metal mesh prefilters out, the table housing should be swept clean.
- The dust drawer should be emptied. A visual inspection will allow you to determine the dumping cycle.

### **Bi-Weekly to Monthly:**

- Inspection of cartridge required. Follow procedure as outlined in standard maintenance for the polyester filter.
- Manually cleaning the filters may be required depending on type of application and hours of usage.
- Verify that motor is well in tact, bolts are firm, and the motor base is secured. With the machine off, manually turn the wheel to ensure no marks are seen. The wheel should not have a wobbling effect. If the machine exerts a burning smell, it is most probably due to the fact that the blower wheel is slightly touching the inlet cone. A minor adjustment may have to be made by a qualified technician.

# EXPLODED VIEW (STANDARD MODEL)



## TECHNICAL INFO FOR MINI DD

### **BASIC:**

Model #:	Mini-DD
Cleaning Method:	Manually Cleaned
Air Flow (CFM):	1200c.f.m @2.5" H2O
Face Velocity (FPM):	200 fpm
Operating Temperature:	70°F.± ambient

### **FAN:**

Motor H.P/voltage:	1HP, 120v/1/60, direct-drive
Capacity:	1200 c.f.m.
Static pressure:	2.5" H2O
Sound Level:	72 dB @3ft

### **MAIN FILTER:**

Qty:	1
Size:	20" x 25"
Material:	2" Cellulose
Efficiency:	92% @ 2 micron
Maximum Operating Temp.:	275°F
Filter removal service:	side access
Filtration area:	11 sq. ft.

### **PREFILTER:**

Qty:	1
Size:	20" x 25"
Medial:	Aluminum Mesh
Filter removal service:	side access
Location:	side of table, directly in front of main filter

### **CABINET:**

Weight:	145lbs.
Dimensions:	2.5'x 2.5' x 3' high
Material:	Black steel
Thickness:	Reinforced 14 gauge
Color:	Dark Grey
Paint Finish:	primer & finish (powder coat)
Surface preparation:	cleaned and brushed

### **WHEELS:**

Type:	Castors
Qty:	4 (2 swivel , 2 lock)
Size:	4"

## TABLE OPTIONS & REPLACEMENT PARTS

### OPTIONS

Part No.	Description
O-MDD-SBW	Side and Back Walls
O-MDD-SBWP	Plexiglass Side and Back Walls
O-MDD-SBWH	Hinged side and Back Walls
O-MDD-LK	Light Kit
O-MDD-FG	Fiberglass Grating
O-MDD-AG	Aluminum Grating
O-MDD-PBG	Perforated Steel Grating
O-MDD-RM	Rubber Mat
O-MDD-MMF	2" Metal Mesh 20"x25" w/frame
O-MDD-OH	12" Deep Overhang (for seated operation)
O-MDD-95F	4" 95% main Paper Pleat Filter (20"x25")
O-MDD-2AC	2" Activated Carbon Panel 20x25

### REPLACEMENT PARTS

Part No.	Description
S-MDD-0001	1HP Blower / Motor Assembly
S-MDD-0002	4" Castors (Set of 4)
S-MDD-0003	2" 65% Standard Paper Filter 20"x25"
S-MDD-0004	4" 95% Mini Pleat Filter 20"x25"
S-MDD-0005	2" Metal Mesh Filter 20"x25" (without Frame)
S-MDD-0006	2" Activated Carbon Filter 20"x25"
S-MDD-0007	Aluminum Knobs (Set of 4)
S-MDD-0008	On / Off Switch
S-MDD-0009	10' Electrical Cord and Plug
S-MDD-0010	Perforated Grating
S-MDD-0011	Steel Bar Grating
S-MDD-0012	Aluminum Grating

## **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 labor 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.

### **FREIGHT CLAIMS**

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