



BULL 240 EBS INDUSTRIAL VACUUM

**Operator's Manual
VAC.BULL240.EBS**

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SAFETY INSTRUCTIONS

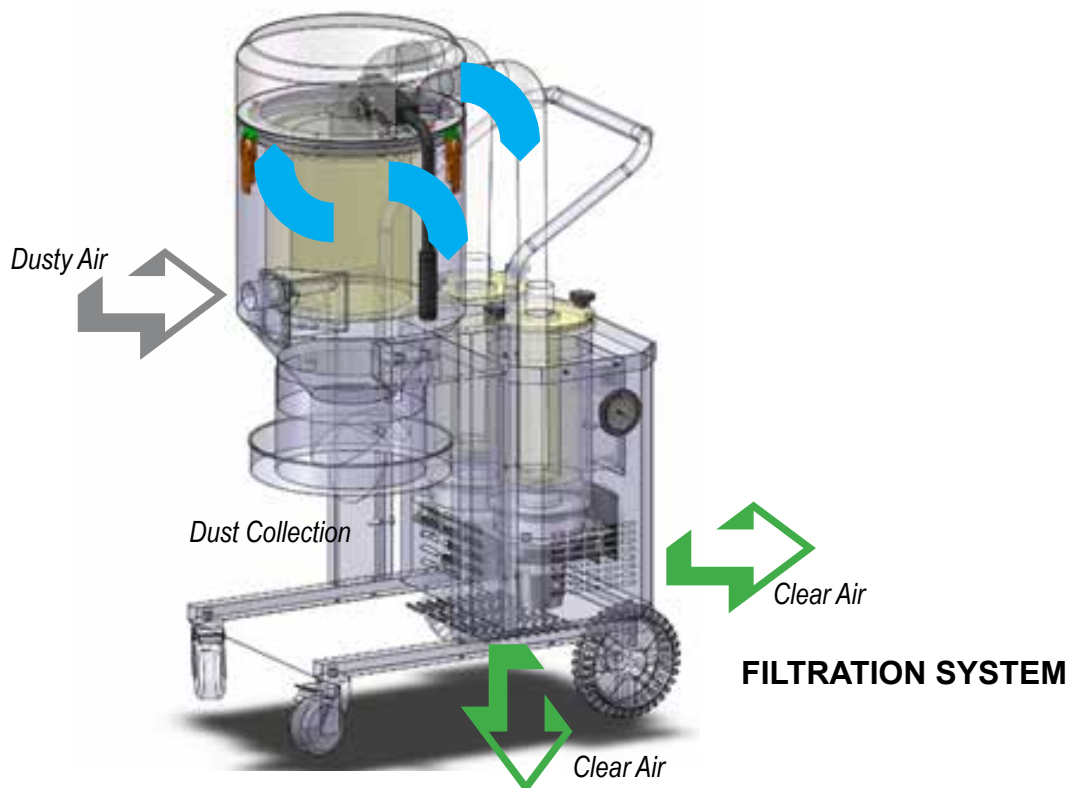
- Operators must read all instructions prior to operating.
- Power cords must not be placed where heavy equipment can drive over them, nor should they become a trip hazard for other workers.
- Make certain it is plugged into a properly ground receptacle.
- The unit must be unplugged from the power source before any maintenance work is to be performed on the unit.
- If the unit should quit working please contact an authorized service technician.
- Do not connect the unit to an improper voltage. This unit use 120 Volt single phase power only.

Product Features

The Bull 240 EBS Vacuum is specifically designed for the concrete floor grinding and polishing industry. It has strong suction, a two stage filtration system, it has an elongated bag system, it is well constructed, stable, durable, reliable and it can be easily transported.

Filtration System

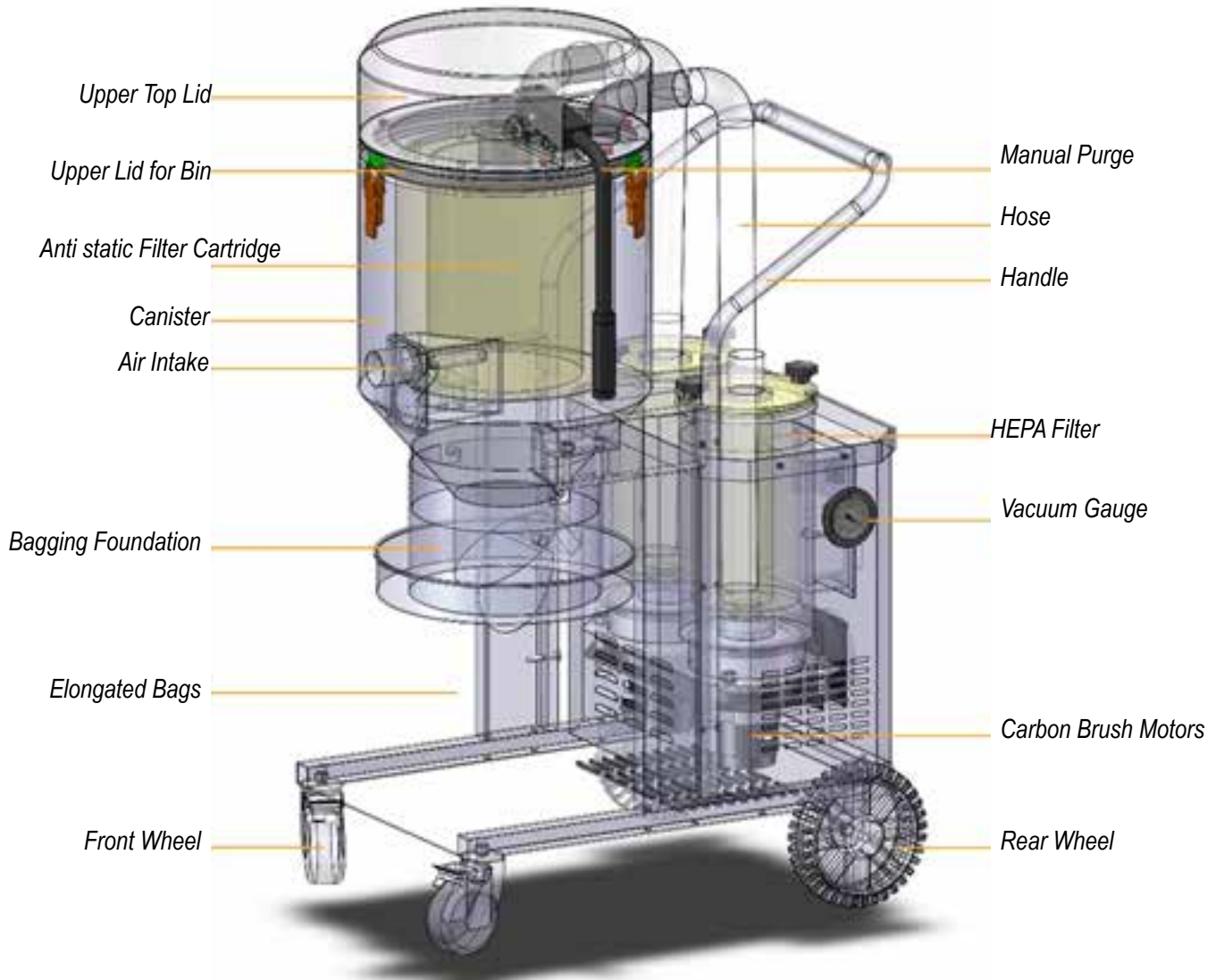
The Bull 240 EBS Vacuum filter system consists of one star shaped cartridge pre-filter and two HEPA secondary filters. When in operation the dust particles enter into the cartridge pre-filter first. The larger particles will drop down to the bottom the super fine particles will move on through the secondary HEPA filters. The clean air will discharge from the air outlet and the fine particles will become trapped in the HEPA filters. With its two stage filtration system it filters dust particles with 99% efficiency down to .03 microns.



Cleaning and Maintenance

The pre-filter cartridge filter can be cleaned from the outside of the vacuum by utilizing the manual purge lever. To use the manual filter purge system, first you must block or close the air hose inlet, then repeatedly pull the manual purge handle. This operation will produce sudden bursts of air to the filter. This mechanical cleaning process will eject dust from the surface of the filter thus allowing a more efficient cleaning operation. This should be done often during the grinding process. The HEPA filters should be taken out and cleaned on a daily basis.

Product Parts Diagram

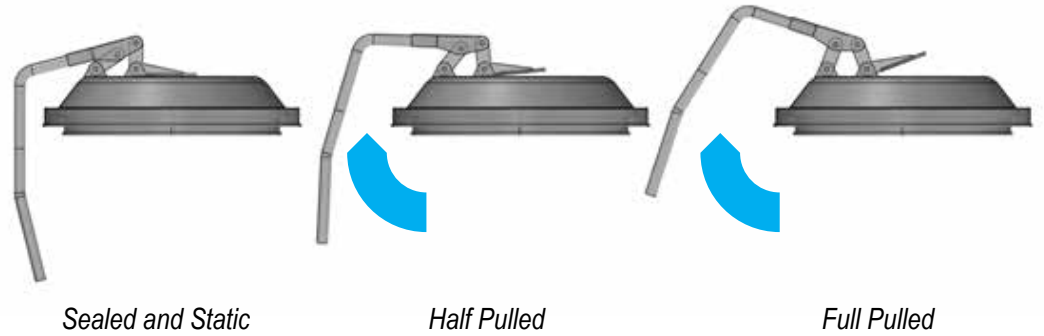


1st Stage Cartridge Filter



2nd Stage HEPA Filter

Manual Air-Pulse Operation



Controls / Motor Switches

The vacuum is equipped with two motors each motor has a separate on / off switch. For proper operation, turn one switch on at a time, this prevents the vacuum from drawing too many AMPS at once that could potentially cause a breaker to blow. The motors should never be run longer than a 3.5 hour run time without shutting down and allowing the motors to cool.



Control Box



Motor

Carbon Brush Motor

Bull 240 EBS vacuum is equipped with two carbon brush style motors. Each motor is a 1.2 kilowatt.

Hour Meter

The hour meter will stop and start automatically when the machine is turned off or on.



Hour Meter

Elongated Bag System

The Elongated bag system needs to be emptied periodically and at least once an hour. To change turn the vacuum motors to the off position, shake the manual purge handle to ensure all large particles drop to the bottom, use two cable ties as indicated in the photo illustrations below.



Elongated Bags



Step 1



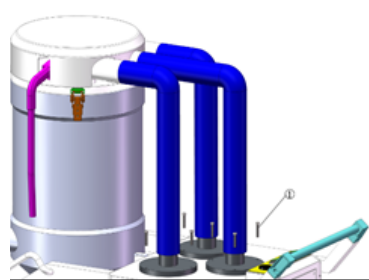
Step 2



Step 3

Cleaning for the 2nd stage HEPA filter

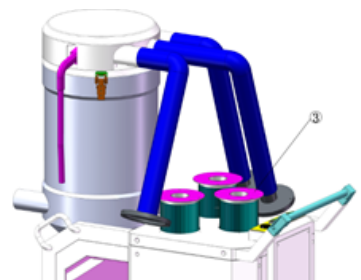
Take the HEPA filter out from the box, and use air gun or brush to clean the HEPA filter.



Step 1: Remove the screws on the lid.

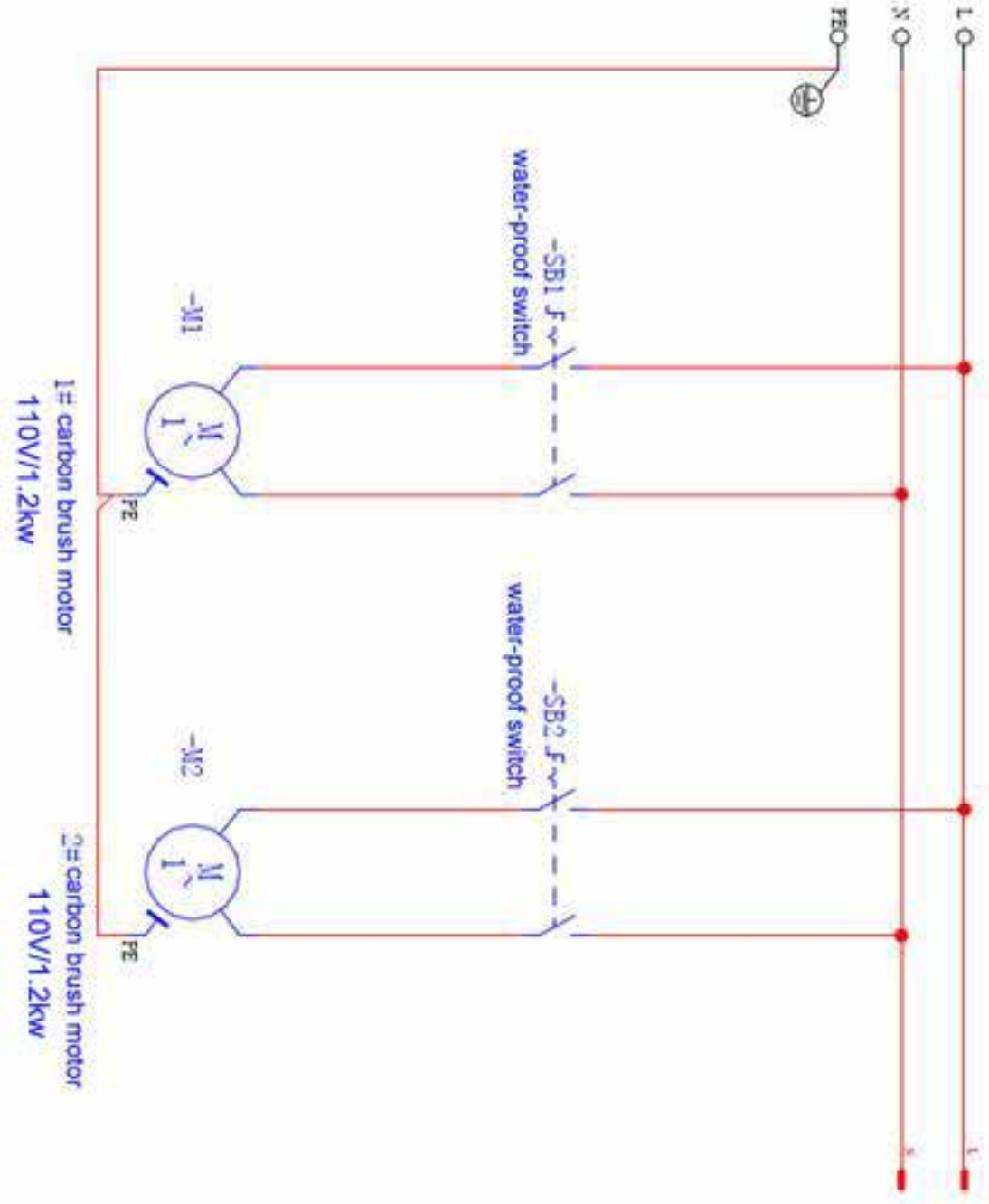


Step 2: Remove the filter lid from the top lid.



Step 3: Take the filters out, and use a air gun or brush to clean the filter cartridge.

Bull 240 EBS Wiring Diagram



Specifications

Model	VAC.BULL240.EBS
Voltage/Hz	120 V/ 60Hz
Power	1 Phase
Airflow	224 CFM
Max Air Pressure	79 inches H2O
QTY OF 1st stage cartridge filter	1
QTY of 2nd stage HEPA filter	2
Air Inlet	Ø2 inches
Noise	82 ± 2DB
Filter Efficiency	99%
Material of 1st filter	Anti-static material
Material of 2nd filter	Imported TORAY
Filter fineness	0.3-3um
Main filtering method	Outer filtering type for 1st stage filter Inner filtering type for 2nd stage filter
Dimension	31"L x 22.5"W x 47.5"H
Weight	181 lbs (82 kg)

Spare Parts

Description	Item Number	QTY
Motor	VAC.240.03	2
HEPA Filter	VAC.240.02	2
Cartridge Filter	VAC.240.01	1
Pressure Gauge	VAC.240.13	1
Waterproof Switch	VAC.240.05	2
4 inch Front Wheel	VAC.240.14	2
8 inch Rear Wheel	VAC.240.15	2
Elongated Bags	SAS.0009510	Box of 4