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100 CFM Dust Collector Manual

Please read the instructions carefully before attempting to assemble, operate or service the dust collector. Failure to comply with instructions could result in personal injury and or property damage.

Keep these instructions for future reference.

Unpacking

When you first receive your dust collector inspect the unit immediately for any damage that may have occurred in transit.

General Safety Information

Follow all electrical and safety codes, as well as the National electric code (NEC) and OSHA.

Do not use this dust collector as an independent vacuum cleaner.

Do not use fluids, or mix fluids with blast media. This dust collector is designed to only accommodate dry blasting media.

Contact information

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Warnings:

Do not operate dust collector or air flow with the motor blower assembly detached from the collecting canister. This could result in serious eye damage or blindness if the propelled media comes in contact with unprotected parts of the face.

This is a dust collector for a dry blast unit. It is not made to accomodate moisture or fluids of any kind used seperately or as a mix with blast media.

There is a 90 day warranty on the dust collector motor, PN 414414

Dust collector overview

Parts List

<i>Part Description</i>		Part #
1. Power Cord:	120 Volt	411242
2. Motor housing		414448
3. Motor turbine assembly	120 Volt	414414
4. Motor gasket		403510
5. Upper barrel		314177-A
6. Bag holder		414438
7. Barrel ring clamp		414437
8. Lower barrel		314178-A
9. Grommet		411430
10. Filter Bag		414436
11. Vacuum hose	5 ft.	201805
	10 ft.	201820-10

There is a 90 day warranty on the dust collector motor, PN 414414

100 CFM Dust Collector Diagram



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— 10



— 11



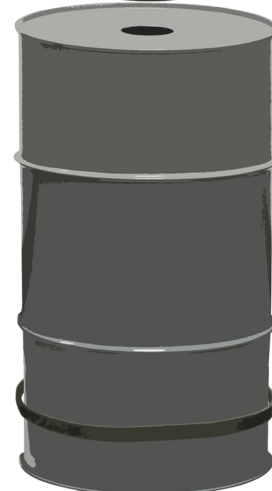
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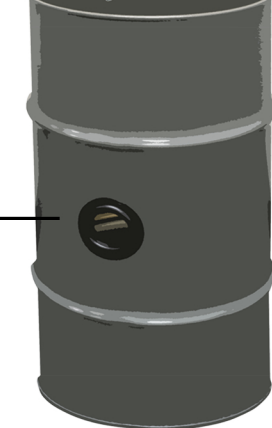
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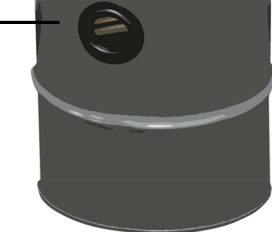


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Assembly and Maintenance

Assembly

Unlatch the barrel ring from both the upper and lower barrels.

Lift the upper barrel from the lower barrel and carefully set it down.

Remove the vacuum hose from the lower barrel.

Reassemble the dust collector by placing the top barrel on top of the lower barrel and latching the ring around both.

Connect the vacuum hose to both the dust collector and the blast cabinet.

Note: the hose end with the plastic adapter fitting, fits into the inlet flange in dust collector. For connecting the other end of the hose see the blast cabinet manual.

Maintenance

Check vacuum hoses for cracks or wear spots - replace if worn.

Check electrical cord for cuts or fraying - replace if worn.

If the dust collector fails to clear dust from cabinet - check filter bag for excessive debris build-up - clean or replace.

If dust blows into shop air through the motor head check the bag for holes - replace if any are found. If not replaced media traveling through the motor head will cause the motor to break down.

Empty the residue dust from dust collector can by unlatching barrel ring. Then remove the upper barrel from the bottom. For efficiency dump dust before the debris builds up to be more than a gallon.

Filter Bag replacement

1. Unlatch barrel ring from upper and lower barrels.
2. Remove the rubber band holder - slide bag out.
3. Dispose of the old filter bag.
4. Slide new bag on upper barrel and attach rubber band over the lip of the bag.
5. Set the upper barrel back on lower barrel and secure in place with barrel ring.