

English

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Key to symbols

The symbols below are used on the machine and in this Operator's Manual. It is important that the user understands the significance of these in order to work with the machine safely.

Manual

Please read the Operator's Manual carefully and understand the contents before the machine is started.



Protective equipment

Always wear:

- Approved protective helmet.
- Approved hearing protection.
- Approved protective glasses or a visor, and other essential safety equipment.



Warning

A large warning triangle with the text "Warning" signifies that there is a risk of serious personal injury or even death.



CAUTION

A smaller warning triangle with the text "Note" signifies that there is a risk of minor personal injury or damage to the machine.



Remark

A hand with a raised index finger with the text "Attention" signifies that a described element demands extra attention.



CE

This symbol indicates that the machine conforms to applicable EU directives



Safety Instructions

During the design and production of Husqvarna products, great importance is placed on safety, as well as effectiveness and ease of use. To ensure that the machine remains safe you must pay attention to the following points:

Only qualified staff should be allowed to operate machinery. Operators without sufficient qualification should be supervised at all times.

All repairs not covered in this manual must be performed by a repairer nominated by either the manufacturer or distributor. Failure to comply may void warranty.

Personal safety equipment such as steel cap shoes, safety glasses and ear protection should be worn when using machinery.

The machine should not be used in areas where potential for fire or explosions exist. The machine should not be started without the dust collection bag attached.

At no time should lifting of machinery be attempted without mechanical means such as a hoist or fork lift.



CAUTION

Under no circumstances may the machine be started without observing the safety instructions. Should the user fail to comply with these, Husqvarna Construction Products Sweden AB or its representatives are free from all liability both directly and indirectly. Read through these operating instructions and make sure that you understand the contents before starting to use the machine. Should you, after reading these safety instructions, still feel uncertain about the safety risks involved you must not use the machine. Please contact your dealer for more information.



Dust hazards may arise when using this piece of industrial equipment. Use respiratory protection.



Always wear an approved protective helmet, hearing protection, protective glasses or a visor, and other essential safety equipment. Dust forms when grinding, which can cause injuries if inhaled. Use an approved breathing mask. Always provide for good ventilation.



Always wear approved protective gloves.

Introduction

The Husqvarna DC 3300 dust extraction / vacuum unit is designed for wet or dry suction of concrete dust and liquid slurry.

This manual covers the Husqvarna DC 3300 dust extraction/ vacuum unit. It is extremely important all users be familiar with the contents of this manual before commencing operation of either machine. Failure to do so may result in damage to machinery or expose operator to unnecessary dangers.

ATTENTION!

Only staff that have received the necessary education, both practically and theoretically concerning their usage should operate the machinery.

Transportation

When in transportation, it is important to ensure the unit is properly secured at all times. Machinery should be transported under cover where possible, unexposed to natural elements – in particular rain and snow. Although resistant to water, all efforts should be taken to protect unit from water damage.

It is recommended that machinery be transported upright where possible, especially when transported when not covered.

It is highly recommended that a dust collection bag be fitted to the machine at all times whether in use or transportation.

Storage

The machine should always be stored in a dry and warm place when not in use to prevent condensation build up inside.



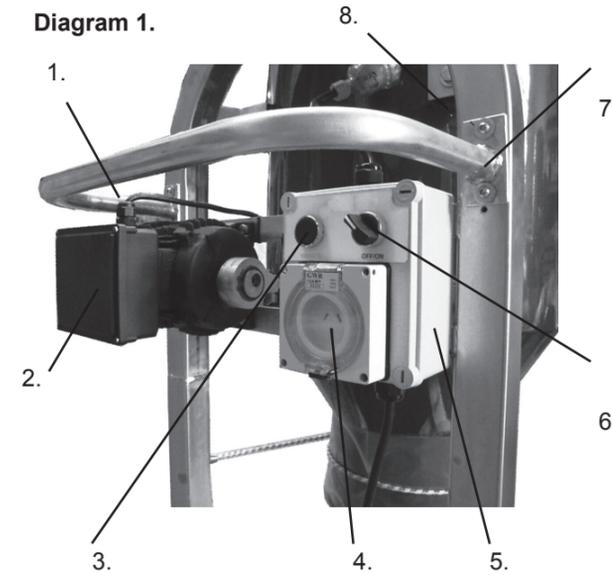
What is what

The Husqvarna DC 3300 is comprised of a number of key components as illustrated throughout this manual.

It is important to become familiar with the following parts of the machine:

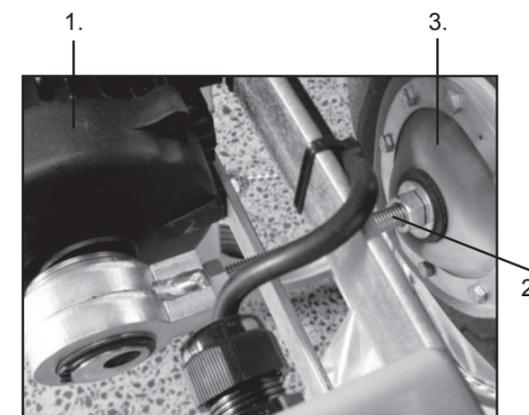
- 1. Vacuum motor housing & secondary filter housing
- 2. Large toggle latch
- 3. Inlet / hose attachment
- 4. Dust collection bag
- 5. Front castor wheel
- 6. Rear wheel
- 7. Elastic strap
- 8. Collection cone
- 9. Filter shaker motor
- 10. Primary filter housing
- 11. Chassis / frame

Diagram 1.



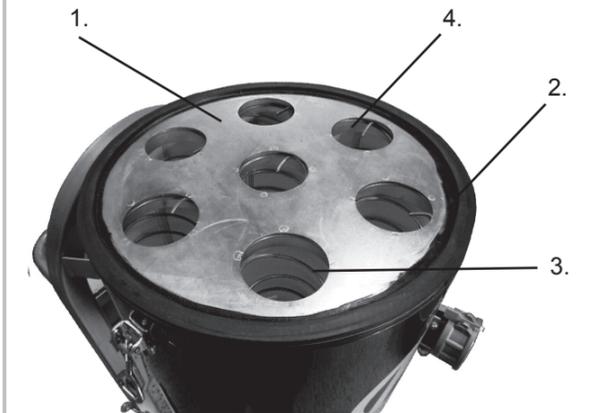
- 1. Rear handle
- 2. Filter shaker motor
- 3. Filter shaker control
- 4. Power outlet (USA only)
- 5. Control box
- 6. Stop / run switch
- 7. Small toggle latch.
- 8. Accessory Power point

Diagram 2.



- 1. Filter shaker motor
- 2. Filter shaker rod
- 3. Diaphragm / seal

Diagram 3.



- 1. Filter sock platform
- 2. Filter sock platform rubber seal
- 3. Filter coil / spring
- 4. Filter sock

Diagram 4.



- 1. Micro filter
- 2. Vacuum motor housing & secondary filter housing
- 3. Vacuum motor mounting platform
- 4. Vacuum motor

Diagram 5.
Dust flap closed

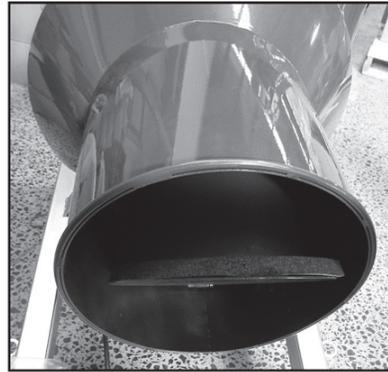


diagram 5

Diagram 6.
Dust flap open

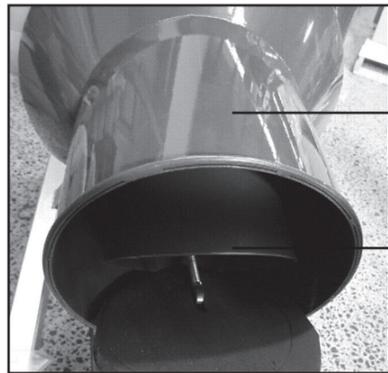


diagram 6

Diagram 7.
Collection cone

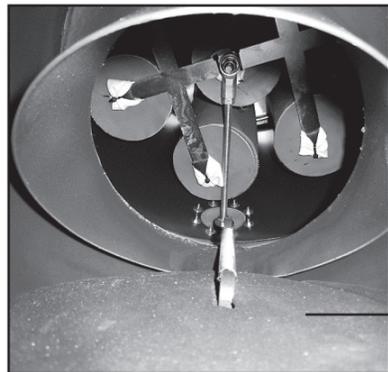


diagram 7

Diagram 8.
1. Filter sock rack
2. Attachment nut
3. Filter shaker rod
4. Primary filter (sock)

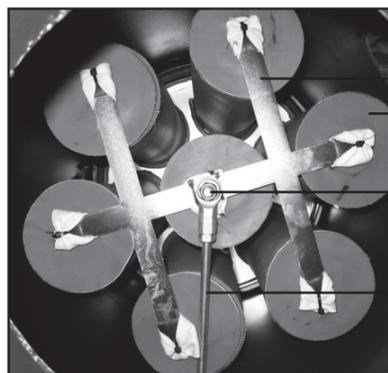


diagram 8

Diagram 9.
Filter sock platform



diagram 9

Diagram 10.
1. Primary filter (sock)
2. Filter seal - outer
3. Filter clamp

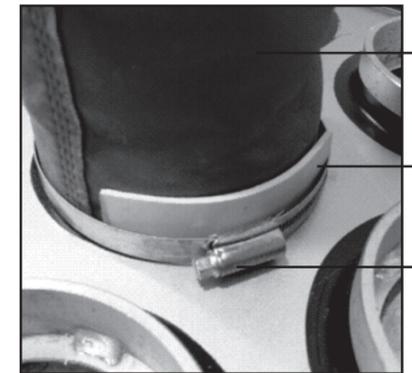


diagram 10

Control Box
The control system for the DC 3300 consists of three switches:

1. Filter chaker activation button (Vibrate) - Shakes dust off sock filters
2. Vacuum On / Off - Turns machine off in OFF position and on in ON position

NOTE!
Vibration filters should be performed when machine set in the off position. If performed when vacuum is still on, most of the dust will stay stuck to filter socks.



Control box

- 1.
- 2.

Filter seal - inner

- 1.
- 2.
- 3.

Operation (dry use)

Setting up.

1. Position the vacuum in the working area.
2. Ensure plastic bag is fitted to collection cone.
3. Plug vacuum hose is fitted to inlet.
4. Plug vacuum into power supply and switch on power supply.

NOTE! Ensure vacuum is set to Off position prior to turning on power supply.

5. Press VIBRATE button for 5 seconds to make sure filter socks are clean.
6. Machine is now ready for operation.

Cleaning the primary filters.

After every 10-20 minutes of operation, the primary filters will need cleaning as dust will buildup on the inside of the filter socks. To remove dust build-up from filter socks, please do the following:

1. Switch the machine to the off position.
2. Press VIBRATE button for 5 seconds to make sure filter socks are clean.

Changing the dust bags.

Once the dust bag has collected around 20kg of dust, to avoid lifting hazards caused by overfilling of dust bags, the dust bag should be changed.

1. Clear the primary filters of dust as outlined on previous page and agitate bag so that dust settles in the bottom of the bag.
2. Switch the machine back into On position (you will notice the air is sucked from the plastic bag).
3. Tie bag off below the collection cone using a cable tie or other bag tie.
4. Release elastic strap and remove sealed bag.

NOTE!

Use extreme caution when releasing and re-attaching elastic strap.

5. Using elastic strap, attach new empty plastic bag (you will notice the air is sucked from the plastic bag).
6. Machine is now ready to be used for duct collection again.

NOTE!

It is important to keep vacuum running during the bag changing process. This will keep the valve in the collection cone closed ensuring no dust will drop out from within the collection cone when bag changing is being performed.

This method will greatly reduce operator exposure to fine dust particles when using the equipment. It is strongly advisable that all operators use a dust mask / respirator when changing dust bag or performing maintenance on the Husqvarna DC 5500 dust extraction machine.

Operation (wet use)

The Husqvarna DC 3300 can also be used for collection of wet materials such as slurry formed from the wet grinding process.

In order to use the Husqvarna DC 3300 for wet collection, simply remove the Primary Filter Socks from the unit.

1. Remove attachment nut (see page 10) using 17mm ring spanner or socket.
2. Remove vacuum motor and secondary filter housing.
3. Lift out primary filter socks.

NOTE!

Do not try and remove primary filters without first removing attachment nut!

4. Replace vacuum motor and secondary filter housing.

NOTE!

It is strongly advisable that all operators use a dust mask / respirator when removing primary filter socks from the Husqvarna DC 3300.

Troubleshooting

Whilst every measure has been undertaken by the manufacturer to ensure smooth reliable operation of the machine, sometimes problems can arise.

The following possible problems may arise:

1. The machine will not run.
Ensure power connected to machine is on. If machine still will not run, remove cover from control box and test for presence of power supply at stop / run switch. If no power at stop / run switch, test power supply at power source.
2. The machine makes a buzzing sound when switched to ON.
This often indicates a problem with one of the tree vacuum motors. One or more motors may need replacing.
3. The machine has very little suction.
This normally indicates one of the following possibilities:
 - Primary filters are blocked - Solution: Vibrate filters.
 - Secondary filter is blocked - Solution: If large amounts of dust is collecting in secondary filter it is most likely primary filters need replacing.
 - One or more vacuum motors is not working - Solution: Check vacuum motors for correct function.
 - One or more seals in the machine are not working properly - Solution: Check seals on the vacuum unit and replace if required.
 - Flap on collection cone is not closing properly - Solution: remove obstruction between flap and collection cone.
4. The machine is blowing dust out of the vacuum motor and secondary filter housing. Normally this indicates one of the following:
 - The secondary filter is not installed properly and dust is bypassing it. Ensure the seal on the end of the secondary filter is in good order and making proper contact with vacuum motor mounting platform when installed.
 - The secondary filter needs replacing.

Maintenance

The following maintenance steps should be followed to maximise optimal performance and reliability of the machine:

Daily Inspection of Micro Filters:

It is highly recommended that operators check dust levels between the filter sock platform and secondary filter on a daily basis. This will indicate the effectiveness of the primary filters. If there is dust building up in this area, it is more than likely one of the following reasons:

1. Small holes or perforations have developed in primary filters.
2. There is a problem with a seal in the primary filter / filter sock mounting platform assembly.

If when inspected, it is found that there is dust building up on the secondary filter, it is recommended to remove the primary filters and check for small holes or perforations in the filters.

Usually, small holes will begin to develop around the stitching of the filter media. If small holes are located, clean area around hole with either compressed air or vacuum. Once area is clean, the hole can be repaired with silicone sealant.

Generally speaking, with consistent use, the primary filters should be replaced approximately every 6 months. This will maintain good suction levels and reduce incidence of holes developing in the filters.

The secondary filter should be changed every 12 months. Being made from a polyester filter media, the secondary filters can be washed out with water. Ensure they are fully dry prior to re-installation.

On re-installation of the secondary filter, ensure the seal is firmly pressed against the steel vacuum motor mounting plate.