

HAFCO **WOODMASTER**



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Instruction Manual

DRUM - DUST COLLECTOR **DDC-50L**

Order Code: (W390)

MACHINE DETAILS

MACHINE.

DRUM DUST COLLECTOR

MODEL NO.

DDC-50L

SERIAL NO.

DATE OF MANF.

IMPORTED BY

AUSTRALIA



www.machineryhouse.com.au

NEW ZEALAND



www.machineryhouse.co.nz

NOTE:

This manual is only for your reference. At the time of the compiling of this manual every effort to be exact with the instructions, specifications, drawings, and photographs of the machine was taken. Owing to the continuous improvement of the HAFCO Woodmaster machine, changes may be made at any time without obligation or notice. Please ensure the local voltage is the same as listed on the specification plate before operating any electric machine.

SAFETY SYMBOLS:

The purpose of safety symbols is to attract your attention to possible hazardous conditions



WARNING

Indicates a potentially hazardous situation causing injury or death



CAUTION

Indicates an alert against unsafe practices.

Note: Used to alert the user to useful information



NOTE:

In order to see the type and model of the machine, please see the specification plate. Usually found on the back of the machine. See example (Fig.1)

Fig.1



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WARNING!

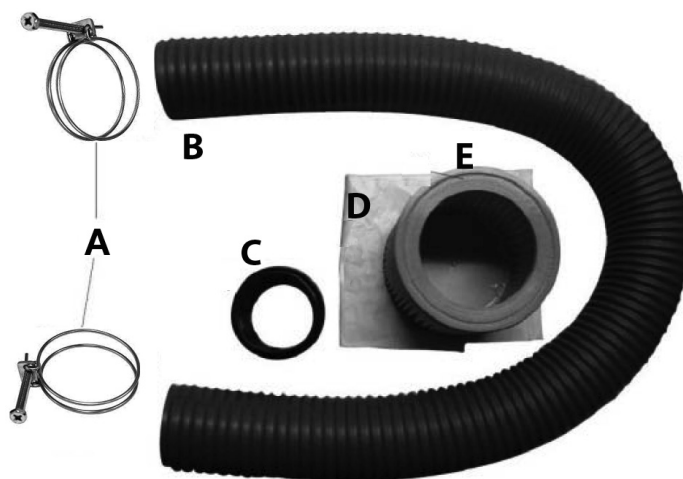
The machine is the sole responsibility of the owner for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training, proper inspection and maintenance, manual availability and comprehension. The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

1.1 SPECIFICATIONS

Order Code	W390
MODEL	DDC-50L
Type	Drum Dust Collector
Airflow (CFM)	109
LPHV - Low Pressure High Volume	No
HPLV - High Pressure Low Volume	Yes
Filtration (microns)	0.5
Inlets / Diameter (No / mm)	1 x Ø100
Hose Length (M)	2
Motor Power (W)	1200
Plug Type (V / A)	240 / 10
Floor Space (W x D x H) (mm)	350 x 350 x 650
Nett Weight (kg)	9

1.2 PACKING LIST

- 1200W Dust Extractor (not Shown)
- Hose Clamps (A)
- 2m Hose (B)
- Hose Coupling (C)
- Dust Bag (D)
- Filter Cartridge (E)
- 5 Piece adapter Set (not shown)
105mm, 70mm, 45mm, 40mm & 35mm



WARNING!

Read and understand the instructions in this manual, before operating this machine to reduce the risk of serious injury or even death. Save all warnings and instructions for future reference.

1.3 IDENTIFICATION

Become familiar with the names and locations of the controls and features shown below to better understand the instructions when mentioned later in this manual.



A	Motor Casing
B	Locking Strap
C	Collection Hose
D	Hose Clamps
E	Hose Coupling

F	Drum
G	ON / OFF Switch
H	Lifting Handle

2. SAFETY INFORMATION

2.1 GENERAL WOODWORKING SAFETY REQUIREMENTS

DO NOT use this machine unless you have read this manual or have been instructed in the use of this machine in its safe use and operation.



This manual provides safety instructions on the proper setup, operation, maintenance, and service of this machine. Save this manual, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution or death.

The owner of this machine is solely responsible for its safe use. This responsibility includes, but is not limited to proper installation in a safe environment, personnel training and authorization to use, proper inspection and maintenance, manual availability and comprehension of the application of the safety devices, integrity, and the use of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

Exposure to the dust created by power sanding, sawing, grinding, drilling and other construction activities may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. Some examples of these chemicals are:



- ☐ Lead from lead-based paints.
- ☐ Crystalline silica from bricks, cement and other masonry products.
- ☐ Arsenic and chromium from chemically-treated timber.

Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system along with an air filtration system whenever possible. Always use properly fitting approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.



Safety glasses must be worn at all times in work areas. Earplugs should be worn if the work area is noisy.



Sturdy footwear must be worn at all times in work areas.



Gloves should NOT be worn when operating machinery. Should only be worn when handling the material.



Long and loose hair must be contained with a net or under a hat.

2.1 GENERAL WOODWORKING SAFETY REQUIREMENTS Cont.

DISCONNECT POWER FIRST. If using power, always disconnect the machine from power supply before making adjustments, or servicing the machine. This prevents any risk of injury from unintended startup or contact with live wires.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Tools left on machinery can become dangerous projectiles upon startup. Never leave hex keys, wrenches, or any other tools on machine. Always verify removal before starting!

USE CORRECT TOOL FOR THE JOB. Only use this tool for its intended purpose. Do not force the machine or its attachments to do a job for which they were not designed. Never make unapproved modifications. Modifying the machine or using it differently than intended may result in malfunction or mechanical failure that can lead to personal injury or death!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating machine. Do not overreach! Avoid awkward hand positions that make operating control difficult. This could increase the risk of accidental injury.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris. Make sure they are properly installed, undamaged and working correctly.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

TRAINED OPERATORS ONLY. Only allow trained or supervised people to use this machine. When the machine is not being used, disconnect the power to the machine to prevent unauthorized use—especially around children. Make the workshop safe.

FORCING MACHINERY. Do not force the machine. It will do the job safer and better at the rate for which it was designed.

NEVER STAND ON MACHINE. Serious injury may occur if the machine is tipped or if the cutting tool is unintentionally contacted

STABLE MACHINE. Unexpected movement during operation greatly increases risk of injury or loss of control. Before starting, verify the machine is stable and if using a mobile base it is locked in position.

UNATTENDED OPERATION. To reduce the risk of accidental injury, turn the machine OFF and ensure all moving parts have completely stopped before walking away. Never leave the machine running while unattended.

MAINTAIN WITH CARE. Follow all the maintenance instructions and lubrication schedules to keep the machine in good working condition. A machine that is improperly maintained could malfunction, leading to serious personal injury or death.

CHECK DAMAGED PARTS. Regularly inspect the machine for any condition that may affect the safe operation. Immediately repair or replace damaged or parts that are incorrectly fitted before operating.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using machine if they become a distraction.



WARNING!

Before operating any machine, take time to read and understand all safety signs and symbols. If not understood seek explanation from your supervisor or an experienced operator.

2.2 SPECIFIC SAFETY FOR DUST COLLECTORS

DO NOT use this machine unless you have been instructed in its safe use and operation and have read and understood this manual



A mask must be worn when excessive airborne dust is created



Safety glasses must be worn at all times in work areas



Sturdy footwear must be worn at all times in work areas



Close fitting/protective clothing must be worn



Rings and jewellery must not be worn.



Long and loose hair must be contained or restrained

MACHINE USE

If you are at any time experiencing difficulties performing any operation, stop using the machine! Then contact your local Service Centre, or ask an experienced operator how the operation should be performed.

NOTE: *This dust collector must only be used for wood shavings and dust.*

DO NOT use to pick up liquids and metal scrap including, but not limited to, nails and filings. Also, **DO NOT** pick up material which cannot safely pass through the impeller, such as solid wood scraps.

When operating this machine, **DO NOT** place your hands or tools near the open inlet for any reason including, but not limited to, unclogging material and testing suction. The impeller could cause serious damage to body parts if touched.

FIRE RISK

DO NOT allow steel to strike against impeller, which may produce a spark. Sparks can smolder in wood dust for a long time before fire or flame is detected. If metal contacts metal during operation, immediately turn off the dust collector, unplug the power cord from the outlet, or flip the disconnect switch and wait for all moving parts to stop.

Remove collection bags and empty the dust into an approved air tight metal container in case of spark. Remedy the metal to metal contact problem before resuming operation.

DO NOT operate the dust collector in areas where explosion risks would be high if dust were dispersed into the area. Areas of high risk include, but are not limited to, areas near pilot lights and/or open flames.

SERVICING & MAINTENANCE

Disconnect from the power supply and allow impeller to come to a complete stop before servicing or working on the dust collector ducting system. When emptying dust from the collection bags, wear a respirator and safety glasses. Empty dust into an approved container and dispose of correctly.

3. POWER SUPPLY

3.1 ELECTRICAL INSTALLATION

Place the machine near an existing power source. Make sure all power cords are protected from traffic, material handling, moisture, chemicals, or other hazards. Make sure there is access to a means of disconnecting the power source. The electrical circuit must meet the requirements for the power used by the machine.

NOTE : *The use of an extension cord is not recommended as it may decrease the life of electrical components on your machine.*

ELECTRICAL REQUIREMENTS

Nominal Voltage.....	240V
Cycle.....	50 Hz
Phase.....	Single Phase
Power Supply Circuit.....	10 Amps
Full Load Current.....	7.2 Amps

(Full load current rating is also on the specification plate on the motor.)

3.2 FULL-LOAD CURRENT RATING

The full-load current rating is the amperage a machine draws when running at 100% of the output power. Where machines have more than one motor, the full load current is the amperage drawn by the largest motor or a total of all the motors and electrical devices that might operate at one time during normal operations.

Full-Load Current Rating for these machine is available on the motor plate.

It should be noted that the full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating and if the machine is overloaded for a long period of time, damage, overheating, or fire may be caused to the motor and circuitry.

This is especially true if connected to an undersized circuit or a long extension lead. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the requirements.



4 SET-UP

4.1 UNPACKING

This machine was carefully packaged for safe transport. When unpacking, separate all enclosed items from packaging materials and inspect them for shipping damage. If items are damaged, please contact your distributor.

NOTE: Save all the packaging materials until you are completely satisfied with the machine and have resolved any issues with the distributor, or the shipping agent.

When unpacking, check the packing list to make sure that all parts shown are included. If any parts are missing or broken, please contact your distributor.

4.2 CLEAN - UP

The unpainted surfaces of the machine have been coated with a waxy oil to protect them from corrosion during shipment. Remove the protective coating with a solvent cleaner or a citrus based degreaser.

Optimum performance from your machine will be achieved when you clean all moving parts or sliding contact surfaces that are coated with rust preventive products.

It is advised to avoid chlorine based solvents, such as acetone or brake parts cleaner, as they will damage painted surfaces and strip metal should they come in contact. Always follow the manufacturer's instructions when using any type of cleaning product.

4.3 ASSEMBLY

NOTE: Avoid unintentional starting of the machine. During assembly and for all work on the machine, the power plug must not be connected to the mains supply.

Carefully remove all parts included in the delivery from their packaging.

Remove all packaging material from the machine and the accessories provided.

Before starting the operation of the machine for the first time, check if all parts listed in the box content section have been supplied

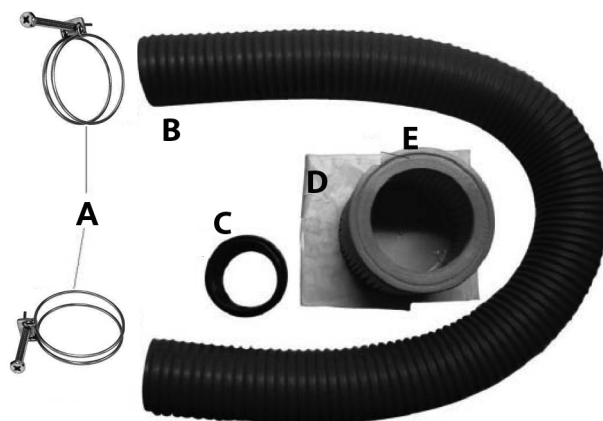
Note: Check the power tool for possible damage. Before further use of the machine, check that all protective devices are fully functional. Any lightly damaged parts must be carefully checked to ensure flawless operation of the tool. All parts must be properly mounted and all conditions fulfilled that ensure faultless operation.

Damaged protective devices and parts must be immediately replaced by an authorised service centre.

ASSEMBLING THE DUST COLLECTOR

In the drum (2) you will find all the components of the hose collection system. Take all parts out and check to make sure that you have everything listed below.

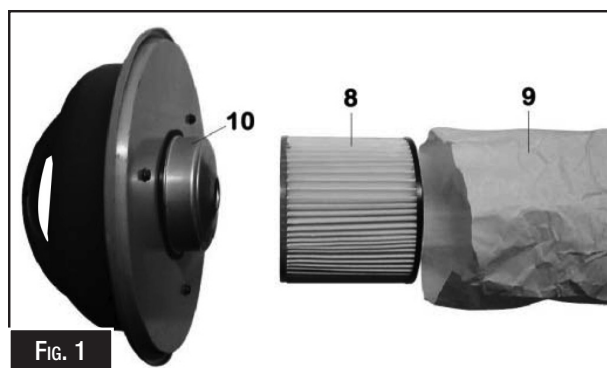
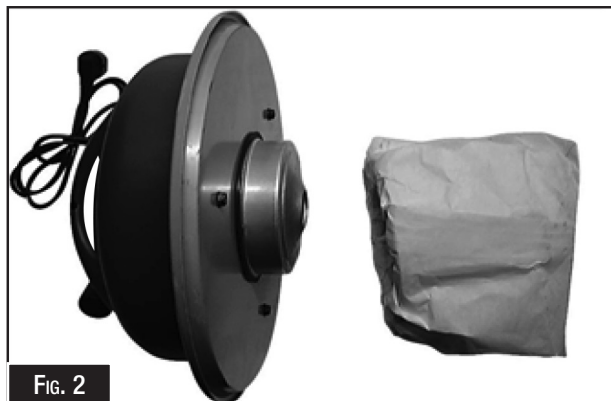
- A. 2 x hose clamps
- B. Exhaust hose
- C. Hose coupling Ø100mm
- D. Filter bag
- E. Filter cartridge



MOUNTING THE FILTER BAG

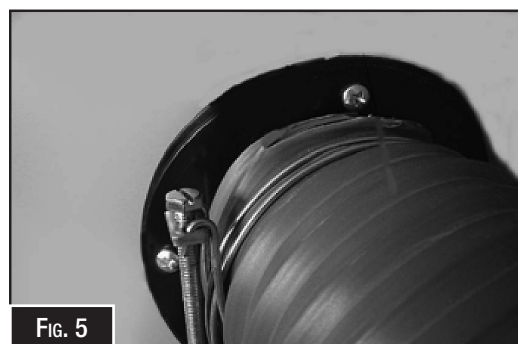
1. Place filter cartridge (8) into filter bag (9).
(Fig. 1)

2. Fold any excess bag (9) inside the filter cartridge (8) . (Fig. 2)



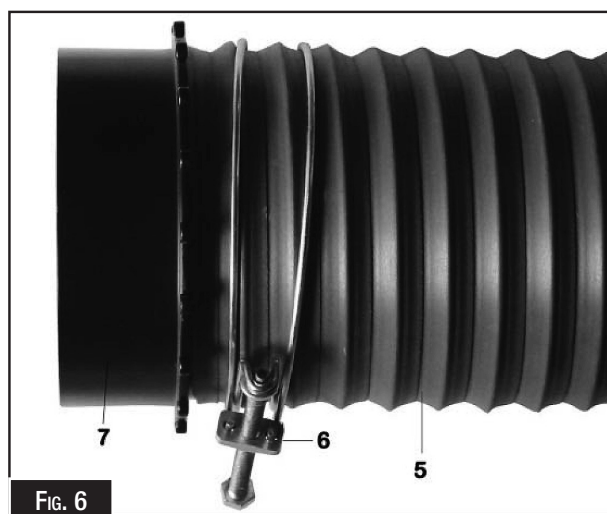
3. Now plug the filter cartridge (8+9) onto the motor casing (10) (Fig. 3)

4. Place the entire section into the drum (2) and secure with locking strap (4). (Fig. 4)



5. Mount the collector hose (5) to the drum (2) using one of the 2 hose clamps (6). (Fig.5)

6. Attach the other end of the collector hose (5) to the hose coupling (7) using the other hose. clamp (6). (Fig. 6)



5. OPERATION

Using the supplied adapter set, find the best fit for the machine on which you intend to use the dust collector.

Make sure the fitting is tight and securely in place before you start the dust collector up.

Turn on the dust collector before the power tool, and turn off after you have first switched off the power tool.

6. MAINTENANCE

MAINTENANCE AND CLEANING

Before any work on the dust collector itself, disconnect the power plug from the power point.

For safe and proper working, always keep the dust collector and ventilation slots clean.

If the replacement of the supply cord is necessary, this has to be done by an authorized service agent in order to avoid a safety hazard.

If the dust collector should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an authorized service centre.

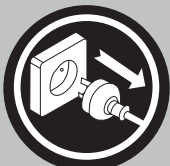
Shavings Container (2)

Wipe out the container (2) from time to time with a commercially available, non-scouring cleaning agent and allow to dry.



CAUTION!

Some service processes should only be carried out by professional maintenance personnel. If you are unsure of your ability to complete a task, please contact your local HAFCO Woodmaster service engineer.



WARNING!

Always disconnect the power to the machine before servicing or doing maintenance to the machine.



WARNING!

The fine dust particles produced by the woodworking machines can go inside your lungs and cause serious respiratory problems. Make sure to wear a dust mask and connect the machine to a proper dust collection system while operating.

DRUM - DUST COLLECTOR

DDC-50L

Order Code: (W390)

The following section covers the spare parts diagrams and lists that were current at the time this manual was originally printed. Due to continuous improvements of the machine, changes may be made at anytime without notification.

HOW TO ORDER SPARE PARTS

1. Have your machines model number, serial number & date of manufacture on hand, these can be found on the specification plate mounted on the machine.
2. A scanned copy of your parts list/diagram with required spare part/s identified.

NOTE: SOME PARTS MAY ONLY BE AVAILABLE AS AN ASSEMBLY

3. Go to www.machineryhouse.com.au/contactus and fill out the inquiry form attaching a copy of scanned parts list.



WARNING!

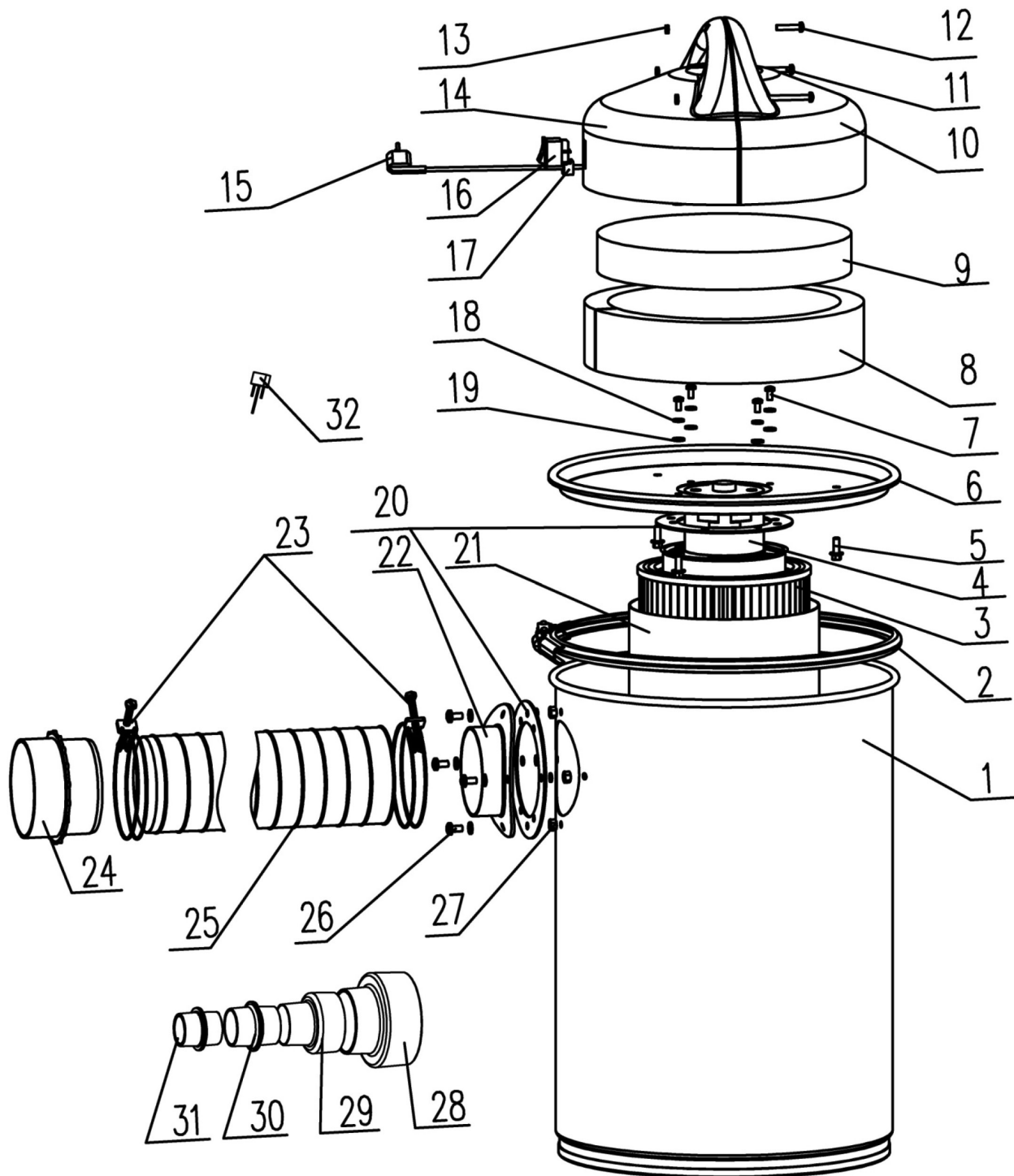
*Electricity is dangerous and could cause death.
All electrical work must be carried out by a qualified electrician.*



CAUTION!

It is impossible to cover all possible hazards Every workshop environment is different. These are designed as a guide to be used to compliment training and as a reminder to users prior to equipment use. Always consider safety first, as it applies to the individual working conditions.

SPARE PARTS DIAGRAM



PARTS LIST

ITEM	DESCRIPTION
1	DRUM
2	CLAMPING RING
3	FILTER
4	MOTOR
5	HEX CROSS SELF-TAPPING SCREW ST5.5*16
6	UPPER COVER
7	CROSS SELF-TAPPING SCREW M5*8
8	LONG SPONGE
9	ROUND SPONGE
10	RIGHT COVER
11	CROSS SELF-TAPPING SCREW M5*45
12	CROSS SELF-TAPPING SCREW M5*25
13	HEX NUT M5
14	LEFT COVER
15	CABLE & PLUG
16	SWITCH
17	PLUG CLAMPING
18	SPRING WASHER
19	LOCKING WASHER
20	SEAL RING
21	FILTER BAG
22	SUCTION HOSE INLET
23	CLAMP FOR SUCTION HOSE
24	ADAPTOR - I
25	COLLECTOR HOSE
26	CROSS SCREW M5*12
27	HEX NUT M5
28	ADAPTOR - II
29	ADAPTOR - III
30	ADAPTOR - IV
31	ADAPTOR- V
32	CAPACITOR

NOTE: SOME INDIVIDUAL PARTS MAY ONLY BE AVAILABLE AS AN ASSEMBLY



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

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Australian Distributor

**Hare & Forbes
Machineryhouse**
Sydney - Melbourne
Adelaide - Brisbane - Perth

Ph: 1300 202 200
www.machineryhouse.com.au



New Zealand Distributor

Machineryhouse
Auckland
Christchurch

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www.machineryhouse.co.nz