

OWNER'S MANUAL

BOOSTER HEAD



IMPORTANT SAFETY INSTRUCTIONS

When using an electronic appliance, basic safety precautions should always be followed. Read all guidelines before operating the unit.

To reduce risk of fire, electric discharges or injuries:

- Use the device only for its intended use as described in this manual.
- Do not allow the device to be used as a toy. Close supervision is necessary when used by or near children.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not pick up any flammable liquids or combustible materials (gasoline, fuel, diesel) hot debris, waste solvents (paint or other), explosive materials.
- Avoid picking up hard or sharp objects to prevent damaging or block the hose.
- Keep hair, face, fingers, all body parts and loose clothing away from any openings.

By overlooking safety rules, you might risk putting your health in danger and to those who surround you!

Drainvac disclaims any responsibility should you infringe upon these guidelines.

SAVE THESE INSTRUCTIONS

The booster heads do not comply
with NFPA standards.



INTRODUCTION

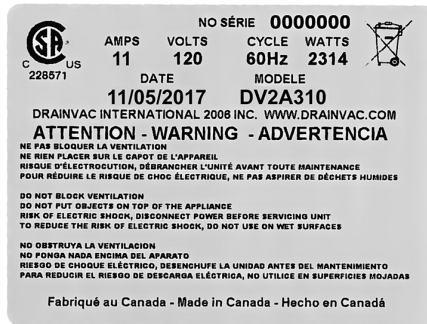
We wish to thank you for your trust and congratulate you for having chosen a Drainvac product. It is a sound investment that will satisfy your vacuuming needs for years to come. Drainvac's central vacuum cleaners are manufactured and checked at our factory by our qualified staff who have been specifically trained to this end. A number of installations and operating methods must be followed to ensure your system's maximum performance and to avoid unnecessary service calls. Please read this manual carefully.

REGISTRATION

To fill in the Drainvac product registration form, go to www.drainvac.com/client-support/register-your-drainvac

First off, we recommend you to fill out this form before you start the installation process. If you have any concerns or problems you may encounter, please contact the nearest retailer. The unit's profile will be required.

The booster head's registration is required even if it is part of a set like the DV2A32/DF2A32.



Metal tag

Model*: _____

Serial number*: _____

Retailer name: _____

Date of purchase: _____

Date of the last maintenance: _____

*This information is found on a metal tag located on the left side of the unit.

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MODEL TYPE

You have purchased one of the following models. Identify the one related to it. **The model number is marked on the label glued on the left side of the head.** The booster heads were calculated without their main system, therefore **the displayed values will vary according to their installation type** (see page 8 and 9).



NORTH AMERICA (108V - 120V)

TETE27 : compatible with models DV1R19-27CT, DV1R20-27CT, DV2A31-27CB, DV2A33-27CB

TETE06 : compatible with models DV1R19, DV1R20, DV2A31, DV2A33

MODEL	HP	H ₂ O	CFM	DECIBELS	AMPS	SIZE IN/CM
TETE27	3.9	181	122	70	22	15 dia. x 12 / 38 dia. x 30
TETE06	3	160	106		18	

INTERNATIONAL (220V - 240V)

Compatible with models DF1R19-CT, DF1R20-CT, DF2A31-CB, DF2A33-CB

MODEL	HP	mmH ₂ O	m ³ /h	DECIBELS	AMPS	SIZE IN/CM
TETE05	3.4	4191	198	70	11	15 dia. x 12 / 38 dia. x 30

MODEL TYPE



NORTH AMERICA (108V - 120V)

Compatible with models DV1R19-27CT, DV1R20-27CT, DV2A31-27CB, DV2A33-27CB

MODEL	HP	H ₂ O	CFM	DECIBELS	AMPS	SIZE IN/CM
TETE200	3.88	137	200	72	30	15 dia. x 12 / 38 dia. x 30

INTERNATIONAL (220V - 240V)

Compatible with models DF1R19-CT, DF1R20-CT, DF2A31, DF2A33-CB

MODEL	HP	mmH ₂ O	m ³ /h	DECIBELS	AMPS	SIZE IN/CM
TETE200E	4.1	3683	415	72	14	15 dia. x 12 / 38 dia. x 30

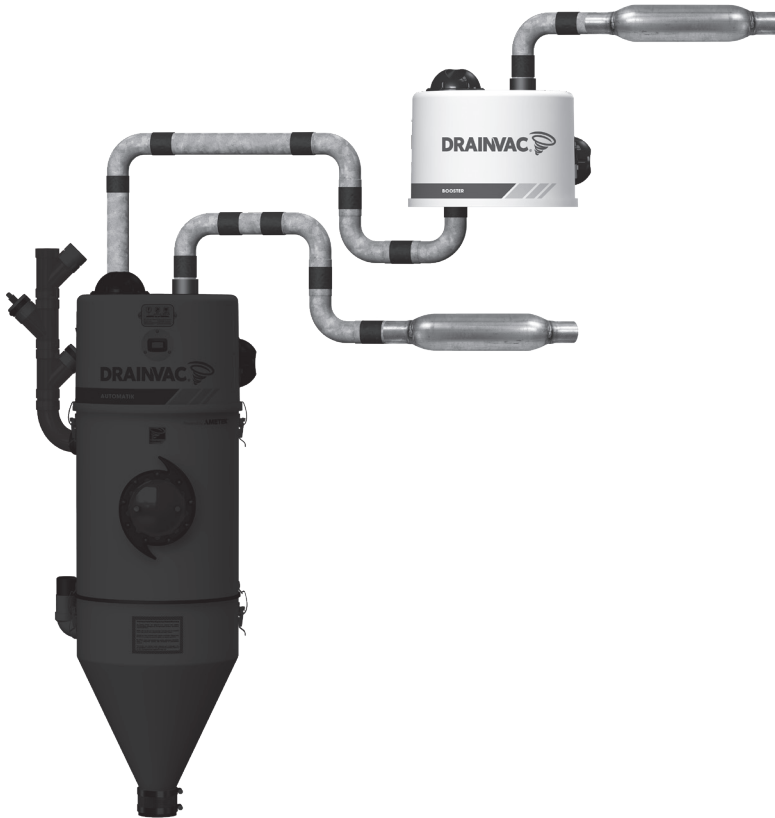
INSTALLATION TYPE

Please note that the illustrated models in this manual will be shown by default with a Automatik connection to simplify the illustrations.

There are two types of installation: **in parallel** or **in series**. Both configurations have different properties in order to provide sufficient suction based on the surface area to cover, the number of users or even the material which will be vacuumed.

PARALLEL INSTALLATION

Setting up the motors in parallel helps you obtain a bigger airflow (CFM or m³/h) for a quicker cleaning.



INSTALLATION TYPE

SERIES INSTALLATION

Setting up the motors in series produces more suction (H₂O or mmH₂O). Additional suction will help you vacuum liquids, heavy objects or deep clean the carpets.

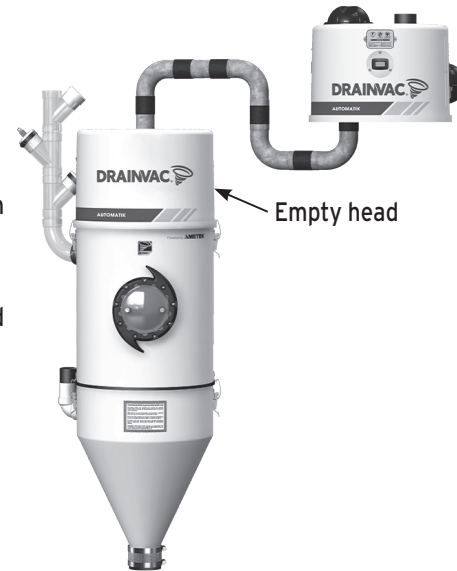


OPTION - SPLIT HEAD

There is a third installation type; the split head. This option allows you to **position the motor in a different room for less noise** or in case of insufficient space in height, the head can be **repositioned at a lower level**.

If your unit is equipped with a membrane and an hour meter, note that they follow the split head, where the main motor is located.

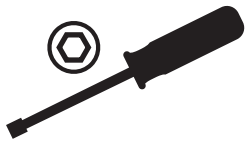
If your main system carries an electric 24V auxiliary output, an auxiliary head can be added **at all times**.



INSTALLATION

- FIRST THINGS FIRST -

REQUIRED TOOLS



5/16" Socket Head Screwdriver



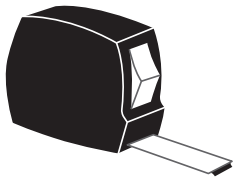
Philips Screwdriver



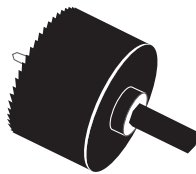
Regular Screwdriver



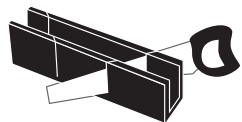
Cutting Pliers



Measuring Tape



Hole saw 2.25" (57 mm)



Mitre box and saw

or



PVC Pipe Cutter 2" (50 mm)



Drill 0.5" (12.5 mm) bit

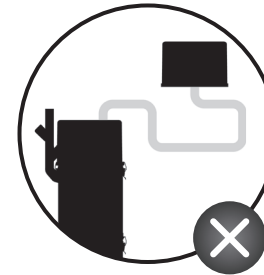
INSTALLATION

- FIRST THINGS FIRST -

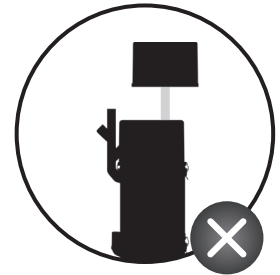
POSITIONING



Optimum efficiency



Not recommended



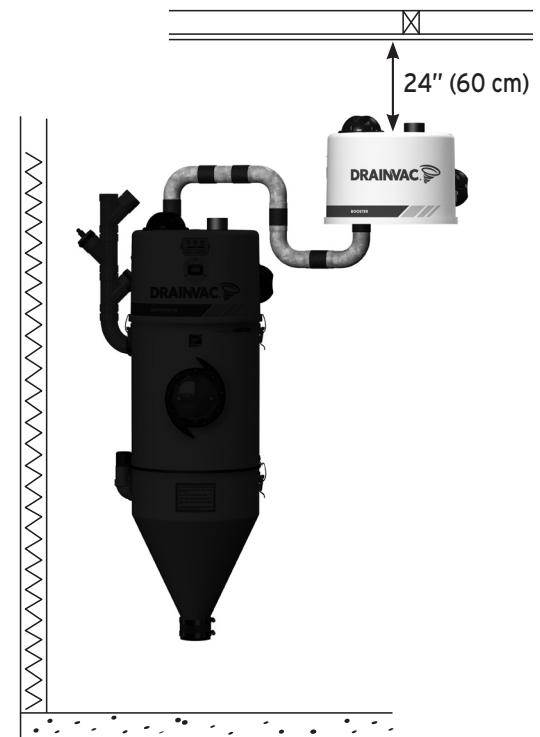
Not recommended

Each booster head can be installed according to the available space without any constraint of the height of the head in relation to the unit.

However, we recommend that you **keep the number of joints (elbows) to a minimum** to optimize air circulation and performance.

MINIMUM SPACING

It is important to install the auxiliary head where it will be easily accessible for maintenance. Make sure you have a minimum of 24" (60 cm) on top of the head.

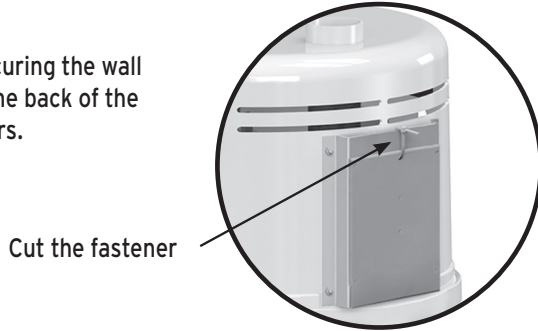


INSTALLATION

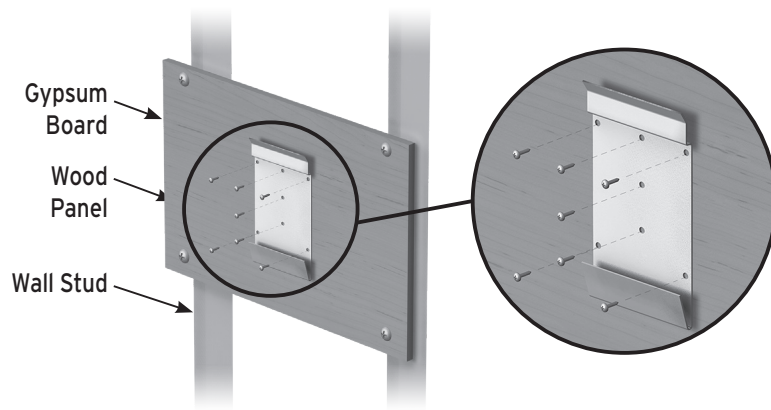
Make sure you have installed the main unit before you install the auxiliary heads.

MOUNTING THE HEAD TO THE WALL

- Undo the fastener securing the wall bracket and base at the back of the head with cutting pliers.



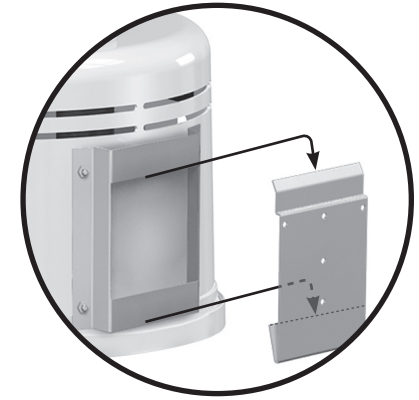
- Attach the bracket to the wall with the 5 screws supplied with the head.



If the wall includes wall studs covered with gypsum board, we recommend installing a wooden panel screwed to the wall studs beforehand for more stability.

INSTALLATION

- Lift the head and slide its support onto the wall bracket.

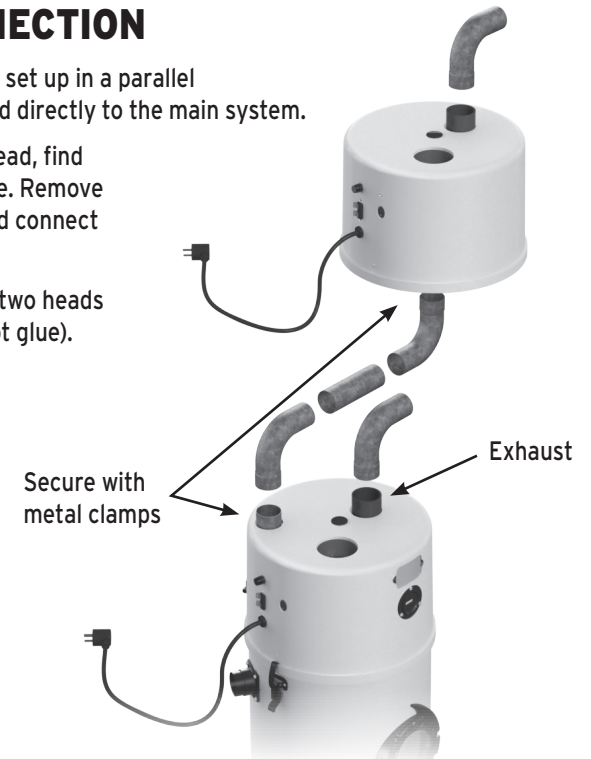


If your vacuum system is equipped with more auxiliary heads, repeat the same steps to mount it, or them, to the wall.

PARALLEL CONNECTION

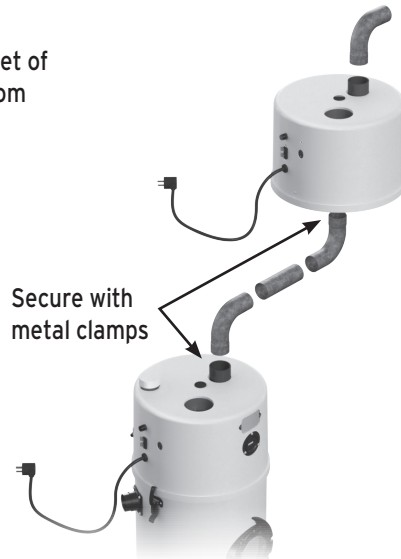
An auxiliary head can only be set up in a parallel configuration if it is connected directly to the main system.

- On the top of the main head, find the additional closed pipe. Remove the cap from the pipe and connect the auxiliary head.
- Secure the piping to the two heads with metal clamps (do not glue).



SERIES CONNECTION

- Connect the auxiliary head to the air outlet of the previous motor (black pipe), either from the main head or the first auxiliary head.
- Secure the piping to the two heads with metal clamps (do not glue).



TETE200/TETE200E CONNECTION

Note that the head TETE200/TETE200E can only be installed with the head TETE05/TETE27.

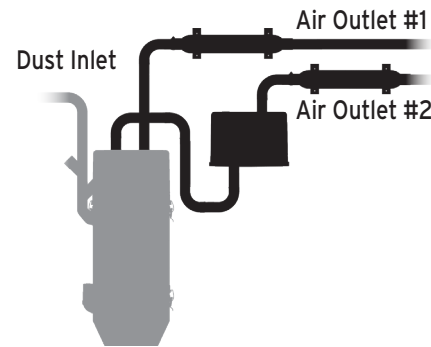
- Install the head TETE05/TETE27 in parallel.
- Install the head TETE200/TETE200E and connect the air inlet (either the right or left one) with the air outlet of the main head (like in series). Do the same with the head TETE05/TETE27.
- Secure everything with metal clamps (do not glue).



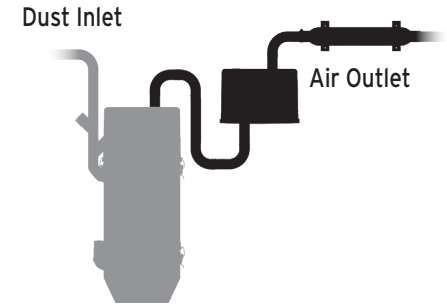
CONNECT THE AIR OUTLET

In a parallel configuration, each head, including the main one, requires an independent air outlet. A series configuration only requires one. However, the TETE200/TETE200E head carries two air outlets.

- Connect the air outlet to the head(s) by securing everything into place with metal clamps (do not glue). **An air outlet leading outside the building is mandatory.**
- Connect the exhaust. You will find the installation method on the sheet provided with the exhaust.



Parallel Configuration



Series Configuration

ADD THE AUDIOPROTEK MUFFLERS

Instructions on how to assemble the Audioprotek mufflers are included on a sheet inside the packaging.

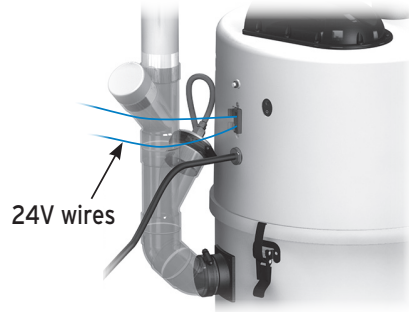


ELECTRICAL POWER SUPPLY

All models in this manual are equipped with an electrical cord. An adequately powered electrical outlet must be installed near the head. A dedicated electrical circuit must be used for each one of them.

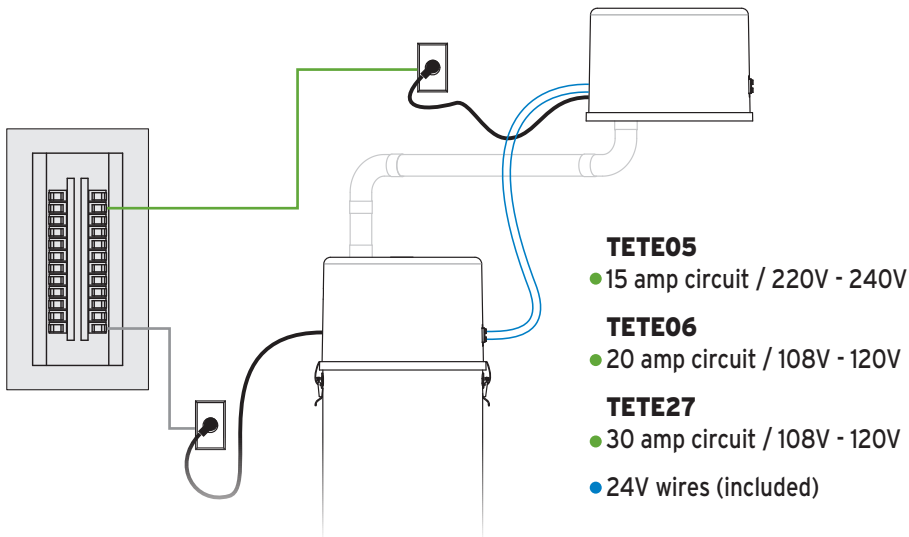
24V WIRE CONNECTION PROCEDURES

- Connect the 24V wires to the head as illustrated on the next page.
- Connect the head to the electrical power supply with the electrical cord.
- The head is ready to operate.



DIAGRAMS OF AN APPROPRIATE CONNECTION

If you experience voltage surge problems on your electrical circuit in spite of adequate connections, a high magnetic circuit breaker can be installed on your electrical panel. Contact an electrician for more information.

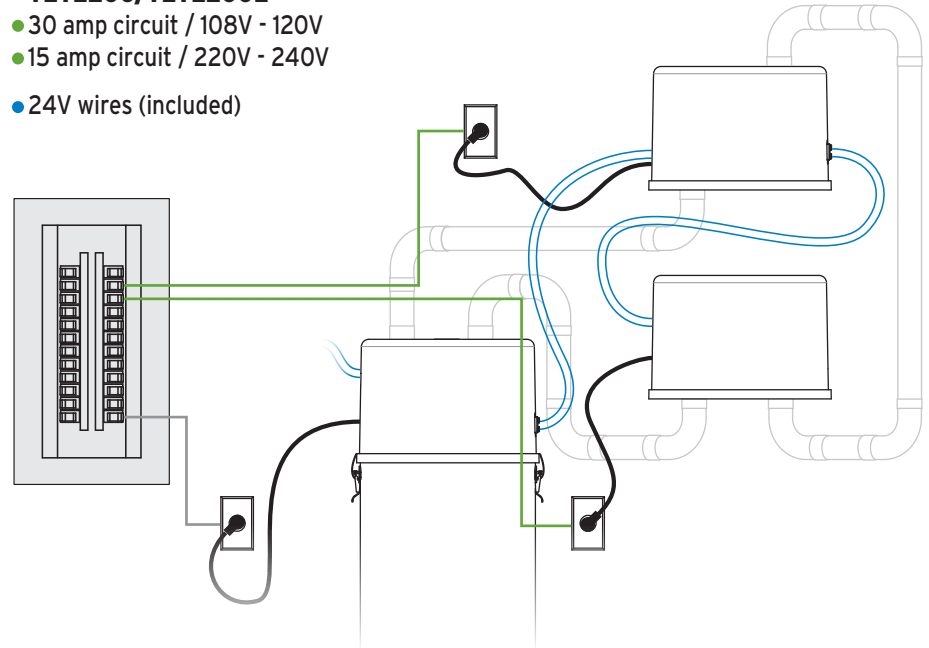


ELECTRICAL POWER SUPPLY

Note that the TETE200E carries only one electrical cord that must be connected to a dedicated electrical circuit.

TETE200/TETE200E

- 30 amp circuit / 108V - 120V
- 15 amp circuit / 220V - 240V
- 24V wires (included)



GROUNDING INSTRUCTIONS

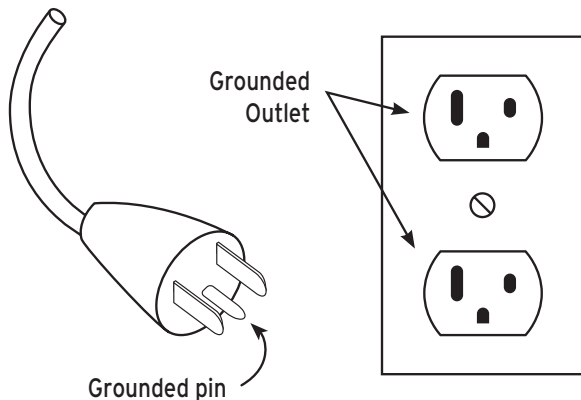
These units must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded.

DO NOT MODIFY THE PLUG PROVIDED WITH THE UNITS - IF IT DOES NOT FIT THE OUTLET, HAVE A PROPER OUTLET INSTALLED BY A QUALIFIED ELECTRICIAN.

These units are for use on a nominal 108V - 120V or 220V - 240V circuit and has a grounding attachment plug that looks like the one illustrated below. Make sure that the electrical cord is connected to an outlet having the same configuration as the plug.

NO ADAPTOR SHOULD BE USED WITH THIS APPLIANCE.



*Illustration of a north-american electrical outlet

MOTOR BRUSHES

Any mechanical system requires a minimum of maintenance and your system is no exception to the rule. We therefore recommend that you **inspect your motor brushes after 500 hours of use** to check how worn they are and replace them if need be.

On average, this inspection should occur every once or twice a year. When the time comes, contact your retailer or your distributor for this maintenance.

WEEE GUIDELINES

This unit complies with the **WEEE (Waste Electrical and Electronic Equipment) Guidelines**, which promote the recycling of this type of waste equipment and encourage the development of products that are adapted to efficient waste reclamation at the end of their life cycle.



Figure A

The WEEE Guidelines stipulate that the original supplier should agree to reclaim any obsolete equipment free of charge. We recommend that you advise your supplier that you would like him to reclaim your unit when you order and replace it with a new one.

Do not discard the unit with your regular garbage. The symbol representing a garbage bin on wheels on the unit's label (Figure F) attests to this requirement. You must ensure that, at the end of its life cycle, your unit is reclaimed, treated and recycled by an authorized firm.

For more information, contact your municipal waste management department.



The acquirer of the auxiliary heads is committed to respect the environmental regulations of the liquid and solid waste disposal in the public water system.

SUPPORT

If you wish to speak with a customer service representative, please contact your supplier/dealer. To find a retailer near you, please visit our website.