

OWNER'S MANUAL

CYCLONIK SERIES



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 this vacuum only for its intended use as described in this manual. (Use of attachments not recommended by the manufacturer may cause fire, electric shock, injury or damage to system components.)
- Do not allow vacuum to be used as a toy. Close supervision is necessary when this vacuum is used by or near children.
- Do not leave the unit running without any supervising. Disconnect the unit if it is not used and before maintenance.
- The Cyclonik series is designed to pick up small quantities of liquids only, up to 16 L (3.5 imp. gal.). However, models DV1R800 and DF1R630 cannot pick up any liquid.
- 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 that would cause harm to the vacuum cleaner.
- Do not vacuum drywall dust or baking flour as it may cause damage to your vacuum.
- Avoid picking up hard or sharp objects to prevent damaging or block the hose and the plastic pipes.
- Do not put any object into openings. Do not use if an opening is blocked. Keep free of dust, lint, hair and anything that may reduce airflow/suction. Lack of air flow will cause the motor to overheat.
- This vacuum cleaner creates suction. Keep hair, face, fingers, all body parts and loose clothing away from any openings.
- Never operate without dust bag and/or filter in place.
- Never plug in a unit designed to operate with a current of 120V in a 230V outlet and vice versa.
- If the power cord is damaged, it must be replaced by a special cord available from the authorized local dealer/distributor.
- Do not use extension cords or outlets with inadequate current carry capacity.
- Never operate this vacuum if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged. Return to authorized dealers/

distributor for repairs.

- Never handle plug, cord or power units with wet hands.
- Never disconnect plug by pulling cord. To disconnect from the outlet, grasp the plug, not the cord.
- Connect to a properly grounded outlet only. See grounding instructions.
- Keep cord away from heated surfaces.
- Turn off all controls before unplugging.
- Hoses with electrical connections must not be used if damaged.

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

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.

 C ^{US} 228571	AMPS 11	VOLTS 120	NO SÉRIE 0000000	
	DATE 11/05/2017	MODELE DV2A310	CYCLE WATTS 60Hz 2314	
DRAINVAC INTERNATIONAL 2008 INC. WWW.DRAINVAC.COM				
ATTENTION - WARNING - ADVERTENCIA				
NE PAS BLOQUER LA VENTILATION NE RIEN PLACER SUR LE CAPOT DE L'APPAREIL RISQUE D'ELECTROCUTION, DÉBRANCHER L'UNITÉ AVANT TOUTE MAINTENANCE POUR RÉDUIRE LE RISQUE DE CHOC ÉLECTRIQUE, NE PAS ASPIRER DE DÉCHETS HUMIDES				
DO NOT BLOCK VENTILATION DO NOT PUT OBJECTS ON TOP OF THE APPLIANCE RISK OF ELECTRIC SHOCK, DISCONNECT POWER BEFORE SERVICING UNIT TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT USE ON WET SURFACES				
NO OBSTRUYA LA VENTILACION NO PONGA NADA ENCIMA DEL APARATO RIESGO DE CHOQUE ELÉCTRICO, DESENCHUFE LA UNIDAD ANTES DEL MANTENIMIENTO PARA REDUCIR EL RIESGO DE DESCARGA ELÉCTRICA, NO UTILICE EN SUPERFICIES MOJADAS				
Fabriqué au Canada - Made in Canada - Hecho en Canadá				

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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ANNEX

ANNEX I (CIRC02)	
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ANNEX II (CIRC03)	
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ANNEX III (CIRC18)	
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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 stuck on the left side of the head.

Please note that residential models cannot be paired with a booster head while commercial models have the option to connect to it to increase power.



RESIDENTIAL SERIES

NORTH AMERICA (108V - 120V)

MODELS	AIR WATTS	H ₂ O	CFM	DECIBELS	AMPS	GAL. / L	SIZE in / cm
DV1R12-CT	700	145	136	62	11.6	10 / 46	15 dia. x 38 / 38 dia. x 95
DV1R15-CT	2 x 355	160	111	70	18		
DV1R800	800	138	138	60	14		

INTERNATIONAL (220V - 240V)

MODELS	AIR WATTS	mmH ₂ O	m ³ /h	DECIBELS	AMPS	GAL. / L	SIZE in / cm
DF1R11	483	3148	207	66	7	10 / 46	15 dia. x 38 / 38 dia. x 95
DF1R15	2 x 355	4191	198	70	10.8		
DF1R630	700	3880	315	58	7		



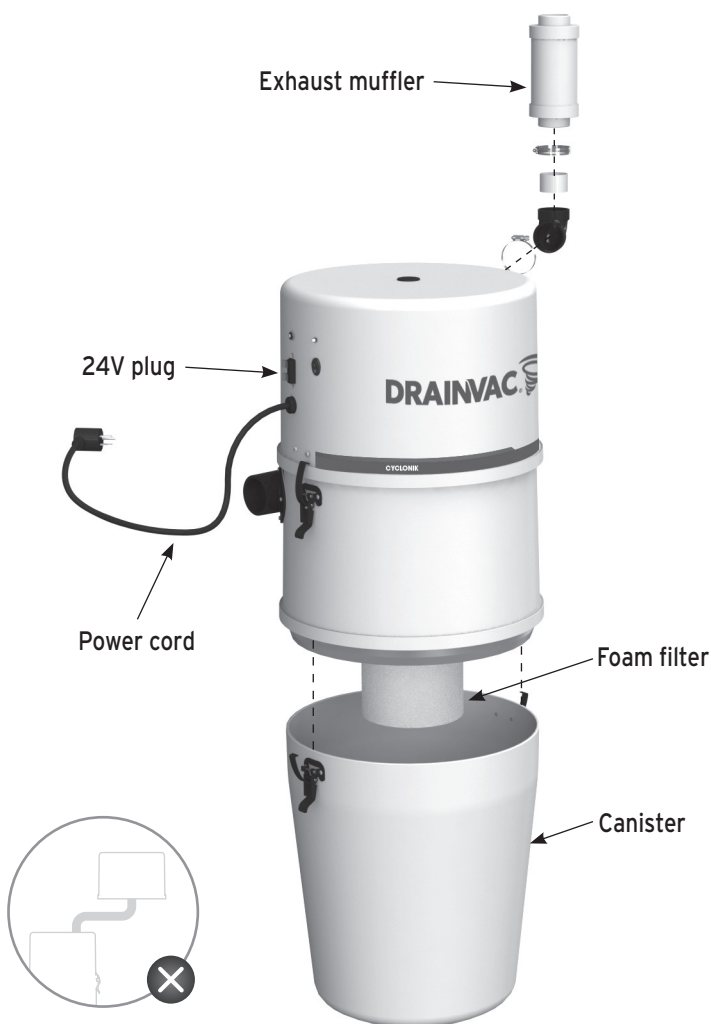
COMMERCIAL SERIES NORTH AMERICA (108V - 120V)

MODELS	HP	H ₂ O	CFM	DECIBELS	AMPS	GAL. / L	SIZE in / cm
DV1R12-CTTM	2.1	145	136	62	11.6	10 / 46	15 dia. x 38 / 38 dia. x 95
DV1R15-CTTM	3	160	111	70	18		
DV1R19-27CT	3.9	181	122	70	22		
DV1R20-27CT	3.9	181	122	70	22	12 / 54	15 dia. x 51 / 38 dia. x 130

INTERNATIONAL (220V - 240V)

MODELS	HP	mmH ₂ O	m ³ /h	DECIBELS	AMPS	GAL. / L	SIZE in / cm
DF1R19-CT	3.46	4191	198	70	10.8	10 / 46	15 dia. x 38 / 38 dia. x 95
DF1R20-CT	3.46	4191	198	70	10.8	12 / 54	15 dia. x 51 / 38 dia. x 130

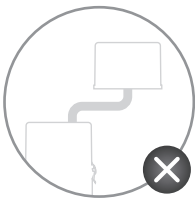
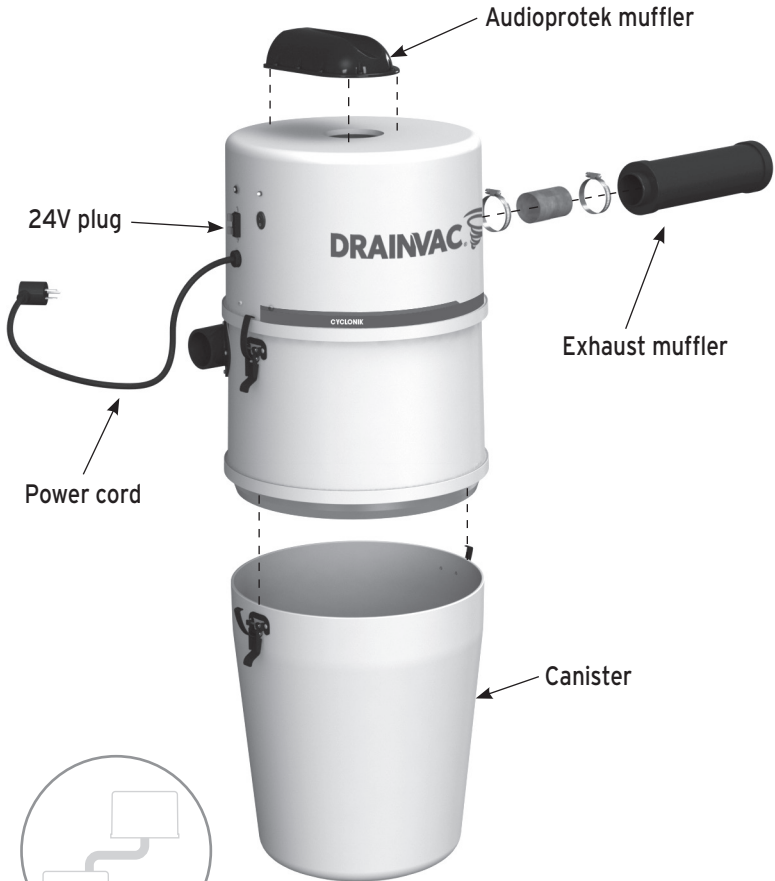
UNIT DESCRIPTION



Booster head not compatible with this model. Please opt for the commercial model DV1R19-CT / DF1R19-CT.

DV1R800 / DF1R630

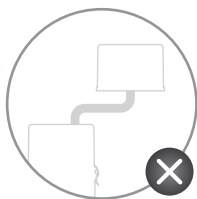
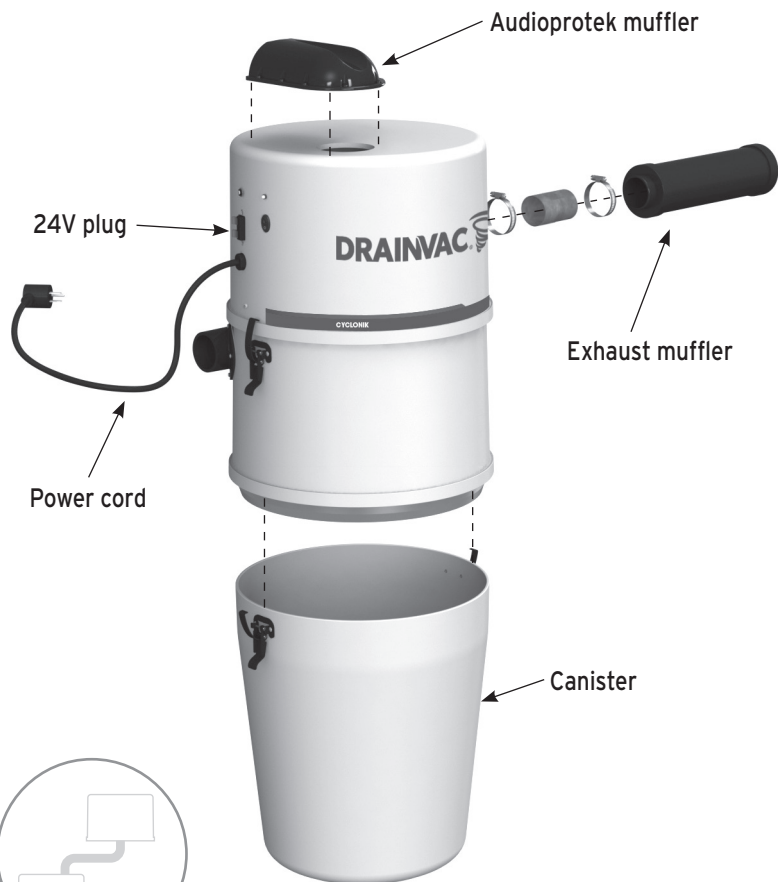
UNIT DESCRIPTION



Booster head not compatible with this model. Please opt for the commercial model DF1R19-CT.

DF1R11

UNIT DESCRIPTION

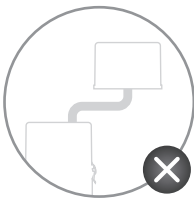
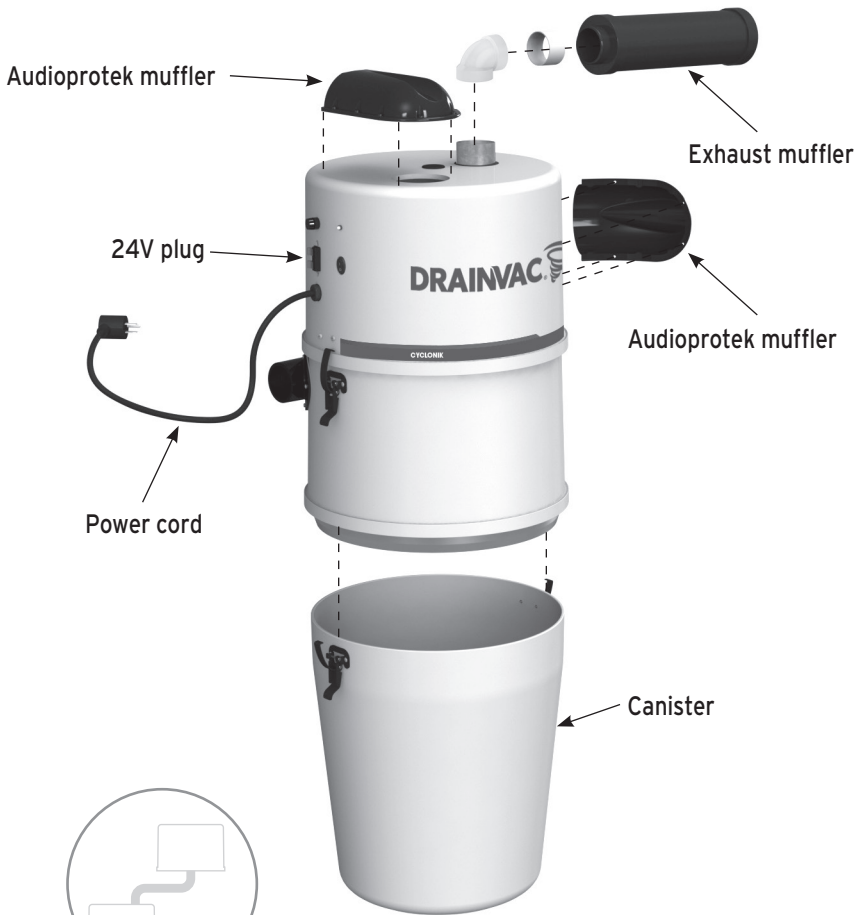


Booster head not compatible
with this model. Please opt
for the commercial model
DV1R19-27CT.

DV1R12-CT / DV1R12-CTTM*

*The DV1R12-CTTM model has an hour meter.

UNIT DESCRIPTION

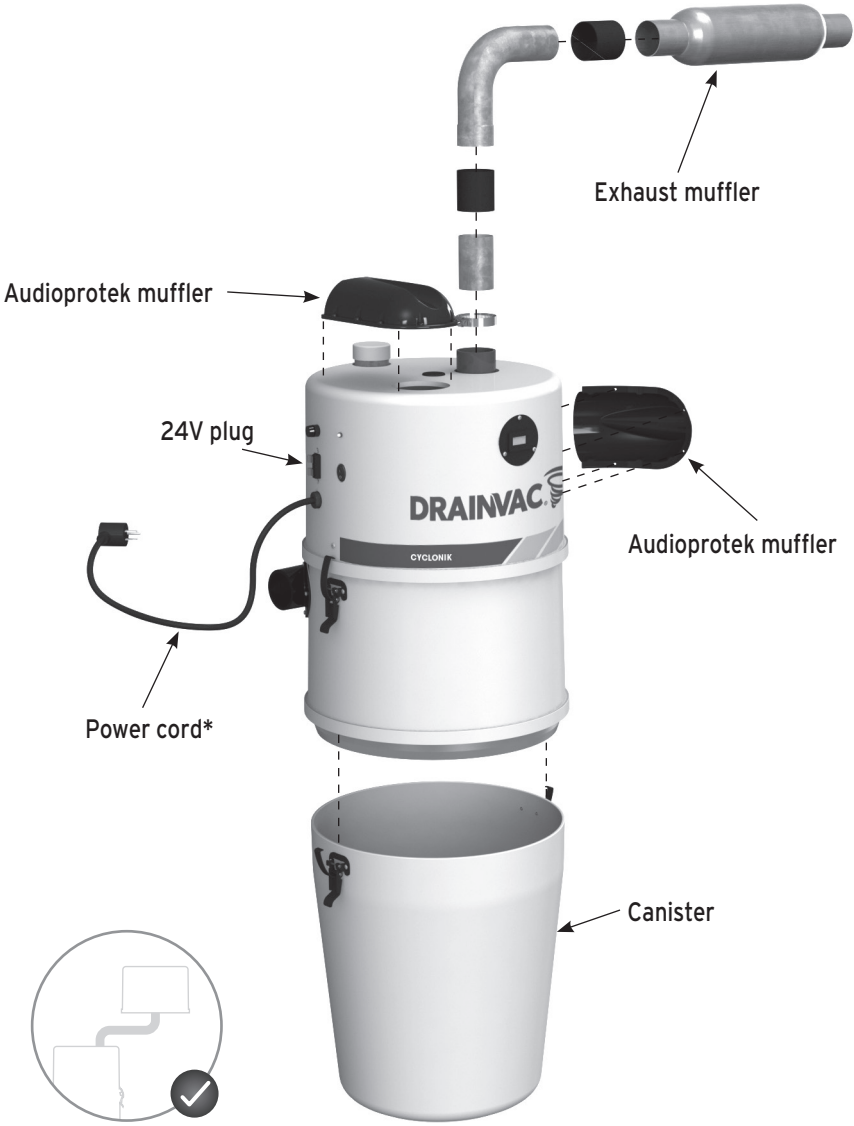


Booster head not compatible with this model. Please opt for the commercial model DV1R19-CT / DF1R19-CT.

DV1R15-CT / DV1R15-CTTM* / DF1R15

*The DV1R15-CTTM model has an hour meter.

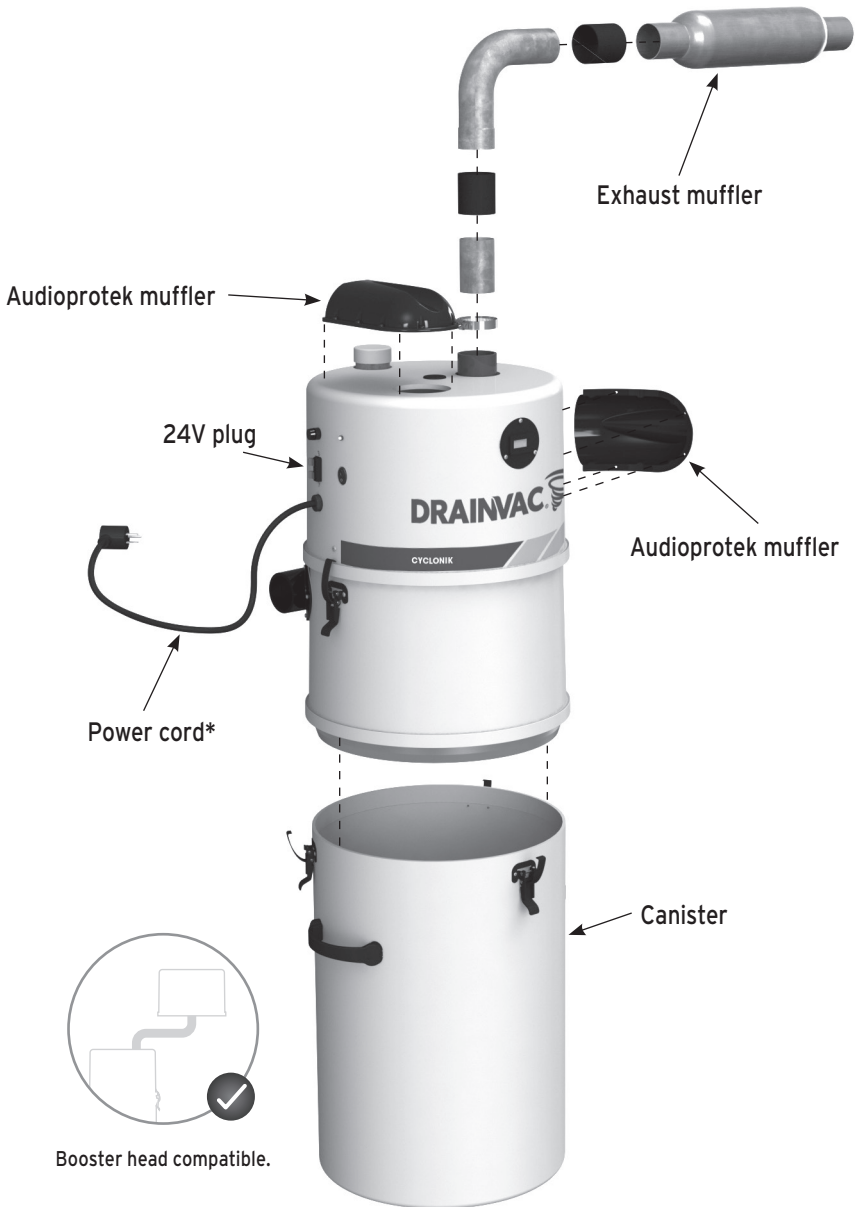
UNIT DESCRIPTION



Booster head compatible.

DV1R19-27CT / DF1R19-CT

UNIT DESCRIPTION



DV1R20-27CT / DF1R20-CT

HOUR METER

The commercial models of the Cyclonik series are equipped with an hour meter that indicates the length of time the unit has been running. When the unit reaches the 500-hour mark, it is strongly recommended to contact your Drainvac representative or retailer for maintenance purposes.



INSTALLATION

- FIRST THINGS FIRST -

REQUIRED TOOLS



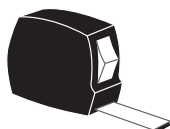
Hole Saw
2.25" (57 mm)



Drill with
0.5" (12.5 mm) bit



5/16" socket head, phillips
and regular screwdriver



Measuring Tape



Cutting Pliers



Mitre-Box and Saw

OR



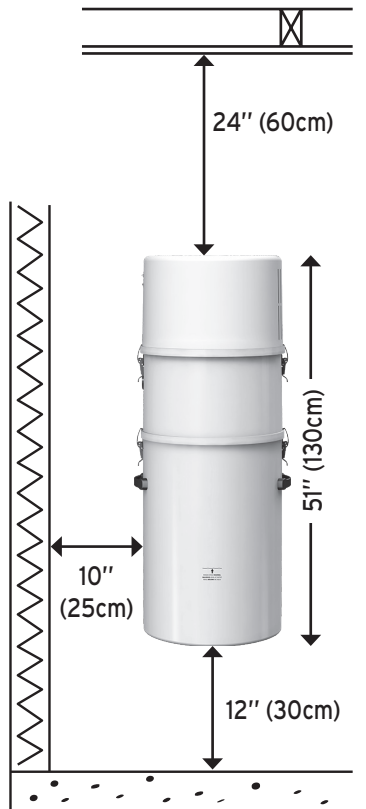
PVC Pipe Cutter
2" (50 mm)

WHERE TO INSTALL THE UNIT

We recommend installing the system on the **lowest level of the building** to avoid having to work against gravity. Dust and solids will fall easier than being pulled upwards, this is why the basement is generally the most ideal location. If there is no basement, the garage or a storage room will do.

MINIMUM DIMENSIONS AND SPACING

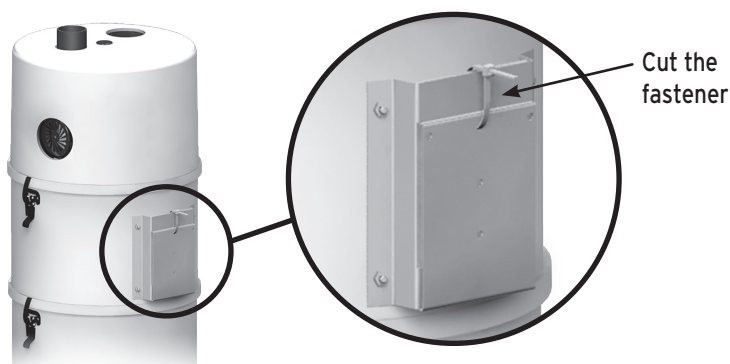
It is important to install the unit in a location where it will be easily accessible for maintenance and to effectively evacuate dust. The minimum spacing required is the following:



INSTALLATION

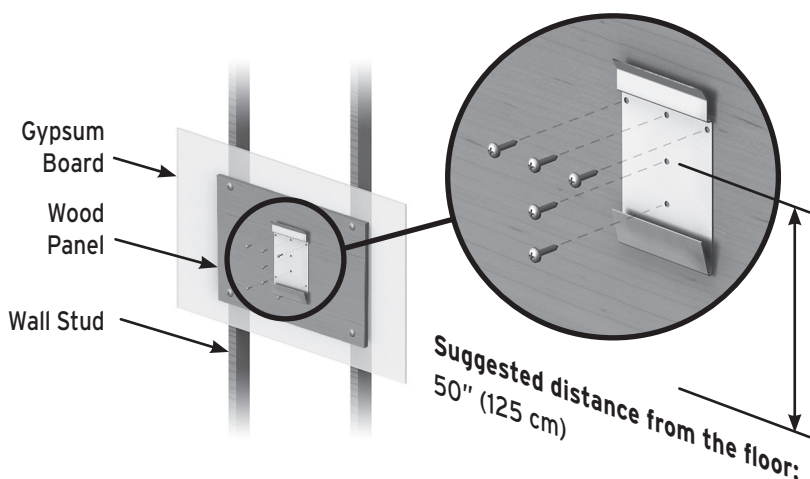
1) MOUNTING THE UNIT ON THE WALL

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



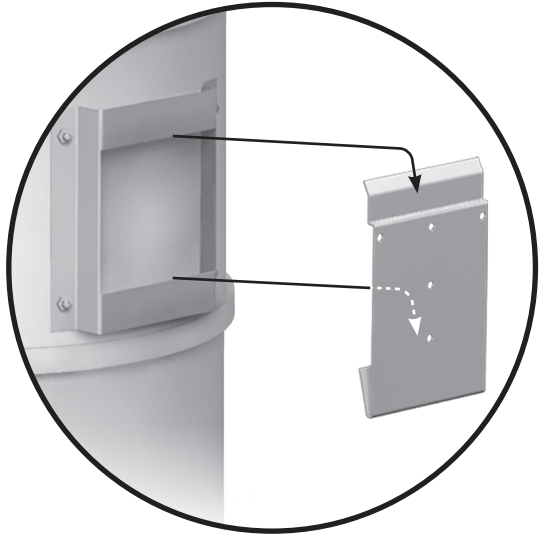
- Attach the bracket to the wall with the 5 screws supplied with the head.

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.



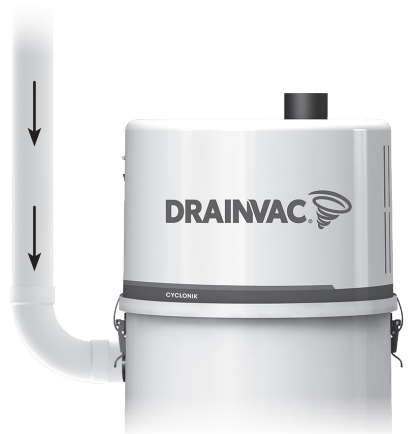
INSTALLATION

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



2) CONNECTING THE DUST INLET

- Connect the dust inlet onto the unit securing it with a collar (do not glue).



INSTALLATION

3) AUDIOPROTEK MUFFLER

All Cyclonik systems are supplied with Audioproteks, except for models DV1R800 and DF1R630.

- Instructions on how to assemble the Audioprotek mufflers are included in a leaflet inside the packaging.



4) AIR OUTLET

The installation of a muffler is strongly recommended.

WARNING - Only the DV1R800 and DV1R630 models can use an Activac 3 exhaust filter.

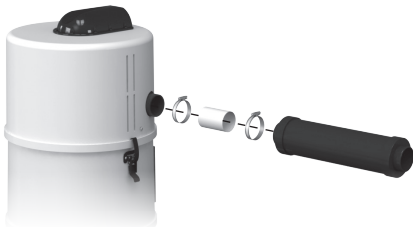
ACTIVAC 3

- Clamp the 90° short elbow to the unit with the collar and insert the Activac3 filter to the other end with a second collar (do not glue).



MUFFLER

- Connect the muffler to the air outlet of the unit with clamps, do not glue.



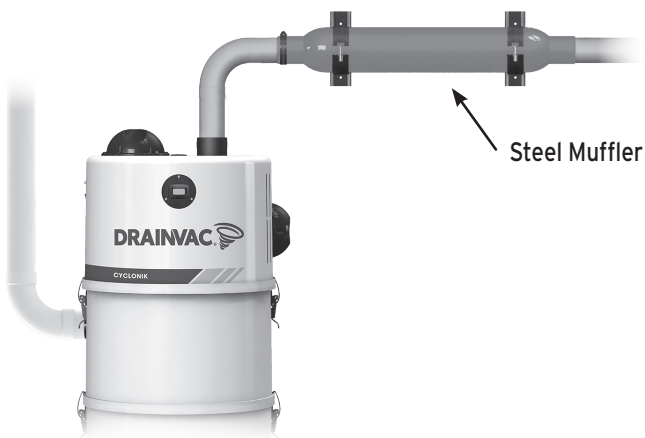
Installation with a straight pipe.



Installation with a 90° elbow.

STEEL MUFFLER

Steel mufflers need to be fixed onto the wall.
Find the installation sheet provided with the exhaust.



PIPING INSTALLATION

The following pages illustrate piping diagrams, typical installations and the parts that we recommend for an optimum performance of your central vacuum system.

GENERAL INFORMATION

- **You must plan to install an air outlet leading outside** for these units but **make sure that the evacuated air does not lead under a carport.**
- If your unit includes **two motors**, it is important to use **metal piping and couplings** for the air outlet.
- To determine where to locate the wall inlets, use the length of the vacuum hose as a basis, measuring the furthest point from the wall where the wall inlets are to be installed. Do the same for all the wall inlets until all areas of the house or building can be reached with the vacuum hose, by moving it from one wall inlet to another; **don't forget to install one in the garage or outside to vacuum your car.**
- If your walls are made of gypsum board, **never install a wall inlet in the centre of the wall.** Drill the holes for the wall inlets close to a wall stud or a door frame.
- Any screw length can be used if you install the piping as illustrated in **Figure A**. If you install the piping as illustrated in **Figure B**, make sure to position the small screw in the right place to avoid piercing a hole through the pipe.
- The minimum cornering pipe must be at least a **medium elbow**, but an **45° pipe is recommended for all corners** for an optimal efficiency.
- Always use a **short elbow when connecting the wall inlets (Figures A and B)** to prevent long objects (for example, a pencil) that may have been vacuumed by mistake from blocking the piping further on.
- The pipes leading upwards **must be slightly higher than the main pipeline** to prevent liquids from flowing back down (**Figure C**).

PIPING INSTALLATION

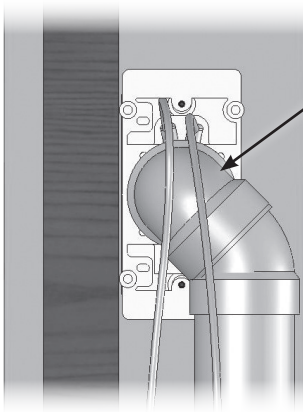


Figure A

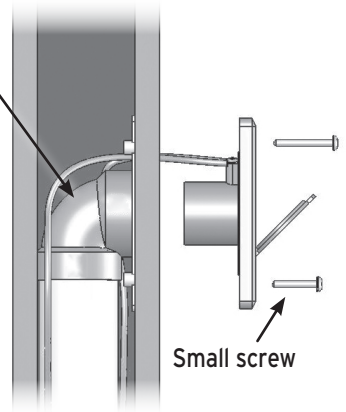


Figure B

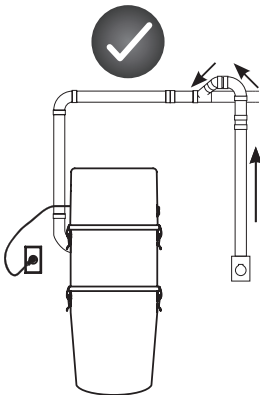


Figure C

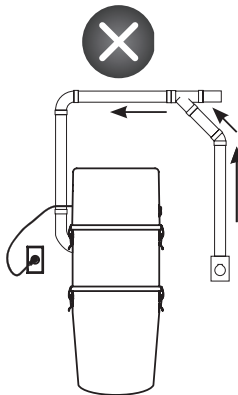


Figure D

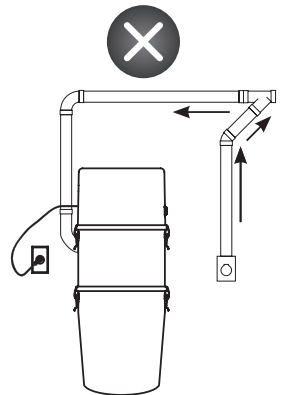


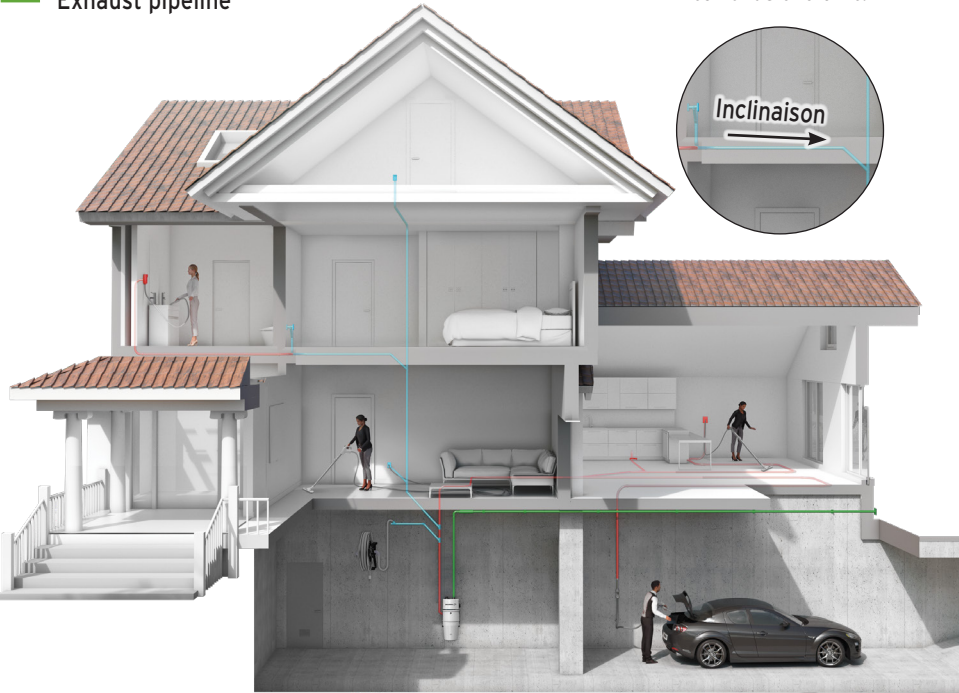
Figure E

PIPING INSTALLATION

DIAGRAM OF A RESIDENTIAL INSTALLATION

- Red line Dry pipeline
- Blue line Wet pipeline
- Green line Exhaust pipeline

Always have a slight inclination of the piping towards the unit.



On the top floor
(at the end of a pipeline)



On an intermediary floor



On the first floor
(connected above a
pipeline under the floor)

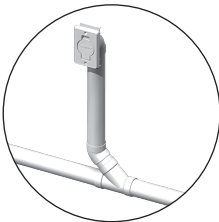
DIFFERENT INSTALLATION POSSIBILITIES



On the top floor
(at the end of a pipeline)



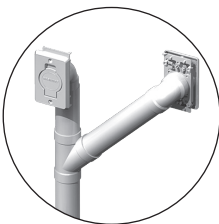
On an intermediary floor



On the first floor
(connected above a
pipeline under the floor)



In the basement
(connected under a
pipeline under the floor)

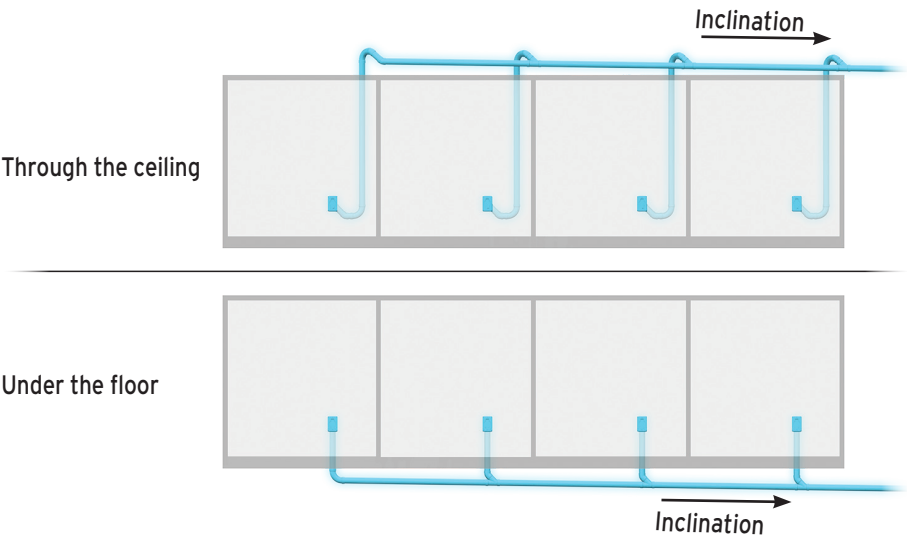


Back-to-back

PIPING INSTALLATION

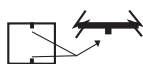
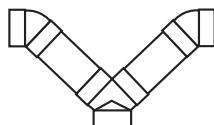
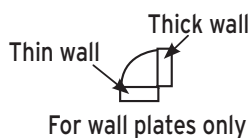
DIAGRAM OF A COMMERCIAL INSTALLATION

Installation example in series



Always have a slight inclination of the piping towards the unit.

EXAMPLES OF PROPER AND IMPROPER INSTALLATIONS



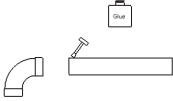
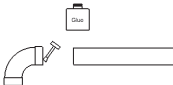
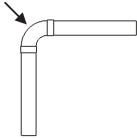
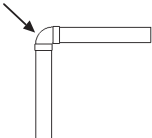
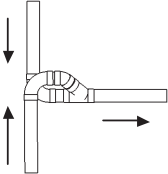
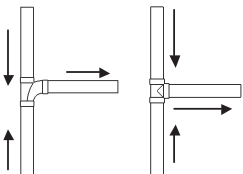
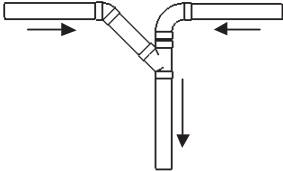
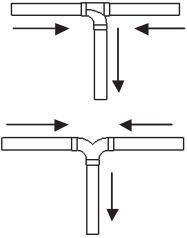
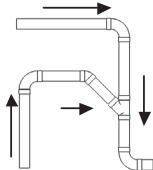
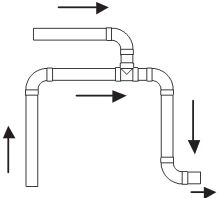


Joint with inside stoppers

Smooth joint without
inside stoppers

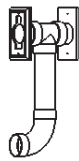
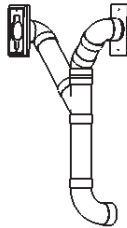
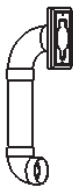
PIPING INSTALLATION

EXAMPLES OF PROPER AND IMPROPER INSTALLATIONS

PIPING INSTALLATION

EXAMPLES OF PROPER AND IMPROPER INSTALLATIONS

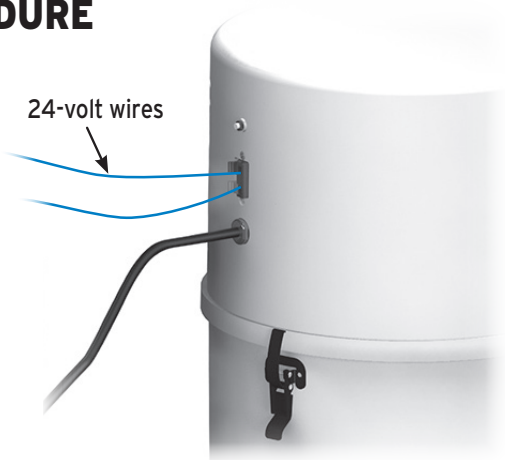


ELECTRICAL POWER SUPPLY

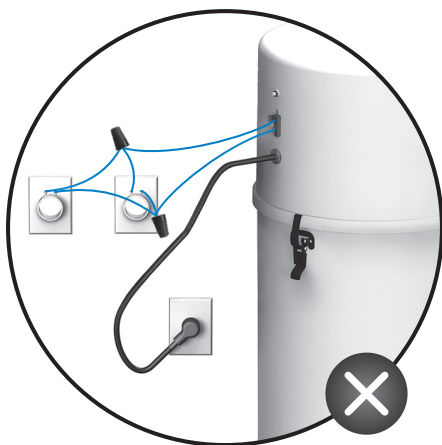
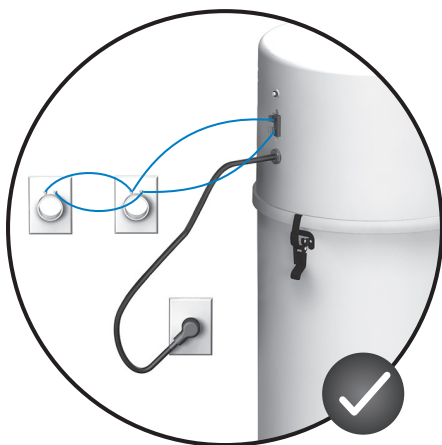
An electrical cord is equipped to all central vacuum systems. An adequate electrical power outlet must be installed near the unit. **We strongly recommend installing an electrical circuit which will only be used for the unit.**

CONNECTION PROCEDURE

- Install the 24-volt wires from the network (each wall inlet) to the unit.
- Connect the unit to the electrical outlet with the power-supply cord.
- The unit is now ready to be used.



EXAMPLES OF PROPER AND IMPROPER INSTALLATIONS



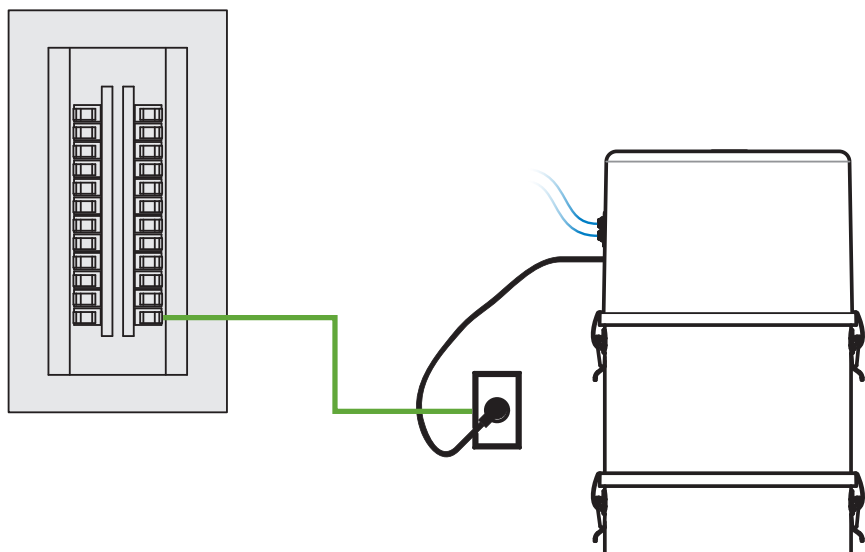
DIAGRAMS OF AN APPROPRIATE CONNECTION

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.

● 24V wires (supplied with the unit)

● **DV1R800** : 15 amp circuit / 108V - 120V
DV1R12-CT : 15 amp circuit / 108V - 120V
DV1R15-CT : 20 amp circuit / 108V - 120V
DV1R12-CTTM : 15 amp circuit / 108V - 120V
DV1R15-CTTM : 20 amp circuit / 108V - 120V
DV1R19-27CT : 30 amp circuit / 108V - 120V
DV1R20-27CT : 30 amp circuit / 108V - 120V

DF1R630 : 10 amp circuit / 220V - 240V
DF1R11 : 10 amp circuit / 220V - 240V
DF1R15 : 15 amp circuit / 220V - 240V
DF1R19-CT : 15 amp circuit / 220V - 240V
DF1R20-CT : 15 amp circuit / 220V - 240V



ELECTRICAL POWER SUPPLY

GROUNDING INSTRUCTIONS

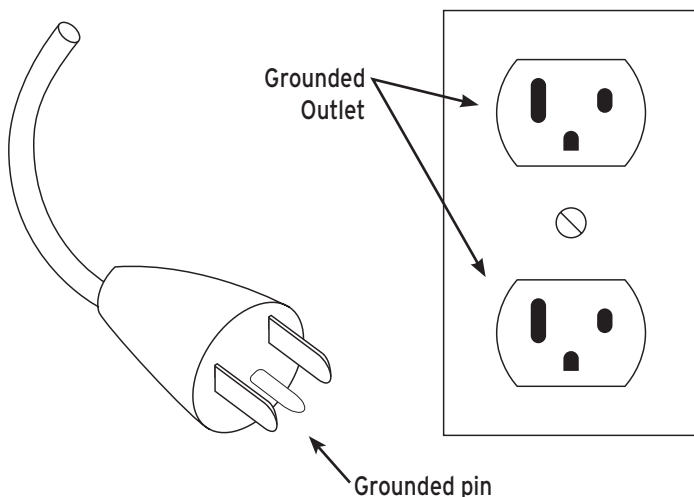
These units must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into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



MAINTENANCE PROCEDURES

CARTRIDGE FILTER

You must clean the cartridge filter every 6 months to prevent your unit from losing any suction power and extend its lifespan. **CAUTION:** If your unit runs with a cartridge filter and the filter was removed for cleaning purposes, it is important not to use the unit or you will damage the motor.

- The cartridge cannot be washed. Clean with compressed air or replace it.

MOTOR BRUSHES

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

On average, this inspection should occur:

- For residential applications: once every 5 to 7 years
- For commercial applications: once or twice a year

When the time comes, contact your retailer or distributor for this maintenance procedure.

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.

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.

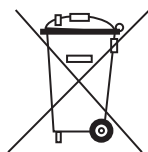


Figure F



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.

TECHNICAL PROBLEMS

THE UNIT WON'T START UP...

SOLUTION:

- 1) Check if the LED is lit.
- 2) Check the circuit breaker in your electrical panel.
- 3) Check the unit's circuit fuse/breaker.
- 4) Check the 24-volt circuit, as follows:

Establish an electrical contact between the two 24V circuit terminals of the unit with a metal object such as a screwdriver or a coin.

- If the unit starts up, either the 24V wire is cut or disconnected from one of the wall inlets, or the hose is defective.
- If the unit does not start up after all these steps, the printed circuit is defective

THE UNIT WON'T SHUT DOWN...

SOLUTION:

Check the 24-volt circuit as follows:

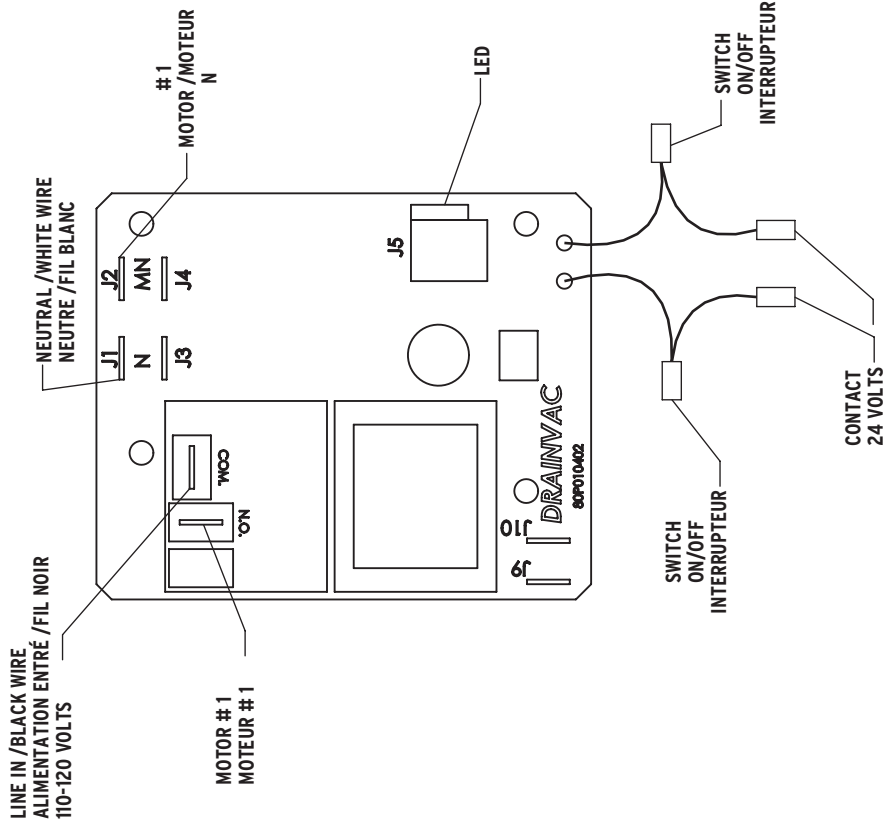
Disconnect one of the two wires on the unit's 24-volt circuit.

- If the unit shuts down, the problem could be that two 24-volt wires are touching themselves somewhere or that the wall inlet is defective.
- If the unit doesn't shut down, the printed circuit is defective.
Unplug the power cord.

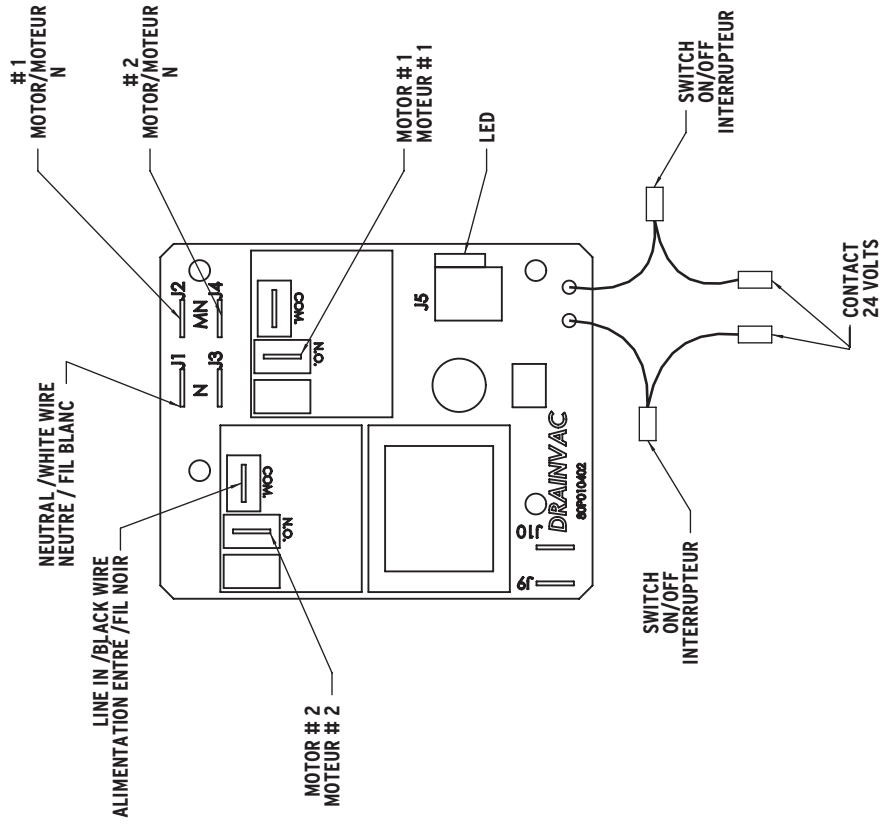
SUPPORT

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.



ANNEX I
CIRC02
CONNECTION DIAGRAM
108-120 VOLTS
 DV1R12-CT, DV1R800, DV1R12-CTTM,
 DV1R19-27CT, DV1R20-27CT



ANNEX II
CIRC03
CONNECTION DIAGRAM
108-120 VOLTS
DV1R15-CT, DV1R15-CTTM

LINE IN / ALIMENTATION ENTRÉE

NEUTRAL / NEUTRE

GROUND - GREEN WIRE
MISE À LA TERRE - FIL VERT

GROUND
MOTOR/MOTEUR #1

GROUND
MOTOR/MOTEUR #2

#2 MOTOR/MOTEUR N

#1 MOTOR/MOTEUR N

#2 MOTOR/MOTEUR L

#1 MOTOR/MOTEUR L

LOW VOLTAGE
BAS VOLTAGE

RESPECT POLARITY
RESPECTER LA POLARITÉ

**RESPECT POLARITY
RESPECTER LA POLARITÉ**

