

USER MANUAL

Central Vacuum System



Intertek

2000868
Conforms to: UL Std. 1017
Certified to:
CAN/CSA Std. C22.2 No. 243-10

**THIS MANUAL APPLIES TO:
HUSKY SOLSTICE**

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1. IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING YOUR CENTRAL VACUUM SYSTEM

When using an electrical appliance, basic precautions should always be followed.

WARNING - TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

- Unplug and disconnect the power unit from the electrical outlet before servicing or maintenance.
- Do not install outdoors and do not use on wet surfaces.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Use only as described in this manual. Use only manufacturer's recommended accessories.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service centre.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed (for commercial use models).
- Do not pull or carry by power cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners.
- Check inlet openings for small objects that may not have been vacuumed in order to keep openings clear of airflow reducing factors.
- Keep power cord away from heated surfaces.
- Do not unplug by pulling on power cord. To unplug, grasp the plug, not the cord.
- Do not handle system or accessories with wet hands.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.



IMPORTANT

DO NOT vacuum gypsum dust, flour, mud, or any sludgy materials as they cake onto the filter and obstruct the filtration system resulting in the overheating of the motor and thus failure of the power unit to function properly.

- Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- Connect to a properly grounded outlet only. See grounding requirements in section 2.
- Do not exhaust into a wall, a ceiling or concealed space of a building or structure, use appropriate installation to exhaust outside the residence.
- Make sure that the air exhaust is never obstructed.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not place or store anything on top or around of the power unit, overheating of motor could occur.

SAVE THESE INSTRUCTIONS

INTENDED FOR HOUSEHOLD USE ONLY

2. GENERAL GUIDELINES AND REFERENCE

GROUNDING REQUIREMENTS

This power unit 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 power unit has a power cord of at least 1.65 m (5.4 ft) in length and is equipped with a grounding conductor and grounding plug. The plug must always be inserted directly into an electrical outlet that is properly installed and grounded in accordance with all local codes and regulations.

DO NOT USE AN EXTENSION CORD.



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 power unit – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

The unit has a grounding attachment plug. Make sure that the power unit is connected to an outlet having the same configuration as the plug. No adapter should be used with this power unit. The power unit should be connected to an independent circuit breaker.

ELECTRICAL REQUIREMENTS

This appliance is for use on a nominal circuit of 15 A at 110-120 Volts A.C. and 60 Hz.

GENERAL GUIDELINES TO BE OBSERVED AT ALL TIMES

1. The power unit must be installed in a ventilated area away from any heat source;
2. The Husky central vacuum system must be used only on dry surfaces. At no time should the system be used to draw up liquids nor should it be used to vacuum wet carpets or floors;
3. It is mandatory that the filtration cage be equipped with its permanent filter at all times when the system is in use;
4. The motor housing must never be obstructed in any way to avoid overheating or damaging;
5. DO NOT vacuum gypsum dust, flour, mud, or any sludgy materials as they will cake onto the filter and obstruct the filtration system resulting in the overheating of the motor and thus failure of the power unit to function properly;
6. Do not attempt to shorten or modify the electrical power cord;
7. As a security measure, unplug the electrical power cord before proceeding with any maintenance;
8. In order for the warranty to be valid, only a Husky authorized service personnel may carry out the necessary repairs or maintenance on the motor;
9. The warranty will be void if non-recommended products such as filters or any other after-sale parts as carbon brushes and motors are used to repair the unit. Husky recommends strongly to use only Husky certified filters and replacement part;
10. Power unit must be positioned so that the plug is always easily accessible;
11. Pertaining to an electrified inlet valve (intended for the connection of a current-carrying hose/motorized nozzle combination):
 - Connect only a current-carrying hose to this wall valve;
 - Do not install a wall valve outdoors;
 - Do not use with a damaged hose; return hose to a service centre.

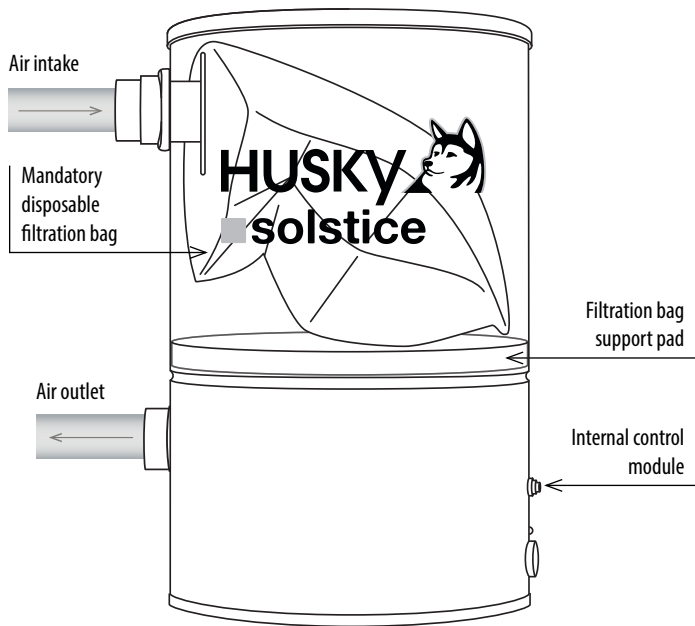


IMPORTANT

Husky is not responsible for damages resulting from improper use. The warranty does not cover damage resulting from misuse or problems resulting from installation that does not conform to specifications, or any functional alterations and / or physical changes to the power unit. Improper or non-recommended installation of the system and / or power unit done against predefined principles of the user manual is also considered misuse.

All conditions and restrictions are set forth in the Husky limited warranty, the user manual and the system installation guide. To optimize the performance and life of your Husky power unit, it is important to do regular maintenance and cleaning of the filter according to the guidelines listed in this user manual.

3. MODEL



NOTE

» In order to avoid overheating, we recommend 30 cm (12 in) clearance all around the power unit.

4. INSTALLATION

POWER UNIT

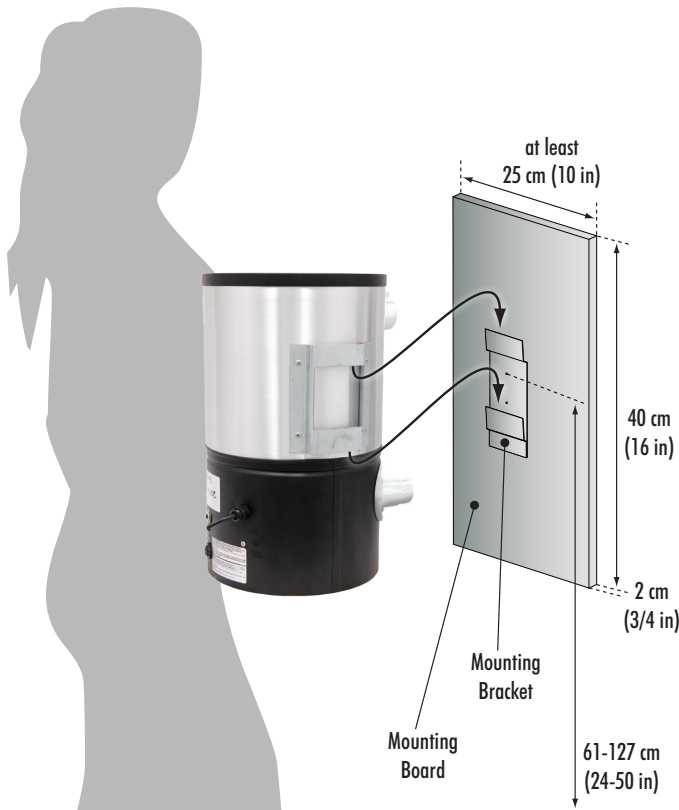


Fig.1 Mounting the power unit on the wall.

The power unit must be installed in a ventilated area, easily accessible and away from any heat source. It should also be close to an accessible electrical outlet.

1. Determine the location of the power unit on the wall; we recommend that the power unit be fastened at 61-127 cm (24-50 in) above ground in order for the top cover to be readily accessible. Moreover, allow a minimum clearance of 50 cm (20 in) on top.; allow 30 cm (12 in) clearance on all sides of the power unit. When possible, it is advisable to install the power unit on a concrete wall in order to minimize the vibrations;
2. Gypsum wall:
 - Prepare the wall by installing a plywood mounting board (not provided) 40 cm (16 in) high x 2 cm (3/4 in) thick and wide enough to be screwed to at least 2 studs;
 - Fasten the mounting bracket to the mounting board with the provided screws;
3. Concrete wall:
 - Drill the holes with a concrete drill bit;
 - Insert the provided wall anchors into the drilled holes;
 - install the mounting bracket with the provided screws into the anchors;



NOTE

» You may also install a plywood mounting board 40 x 25 x 2 cm (16 x 10 x 3/4 in) if desired;
» You can use provided screws to fix mounting board on the wall, but cannot use them for installing the mounting bracket on the mounting board because of their length. You need to use shorter screws (not provided).



IMPORTANT

Always use the right type of screws for the surface you are working with (wood, concrete, metal...)

4. Insert the power unit bracket into the mounting bracket (as shown in Fig. 1).
5. Insert the PVC pipe into the air intake coupling; **DO NOT GLUE!**
6. **OPTIONAL** - If you plan on conducting the exhaust towards the exterior, secure PVC piping to the air outlet all the way to the outside.
7. Connect the control module (see section 5);
8. Connect the power unit directly into an electrical outlet.

5. LOW VOLTAGE WIRE CONNECTION

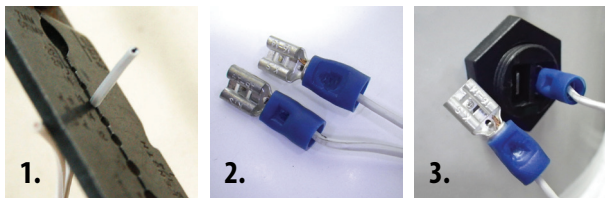


Fig.2 Low voltage wire connection

Before connecting the low-voltage wires, make sure that the power unit is disconnected from the electrical outlet.

1. First, strip the low-voltage wires (on the end of the piping near the unit) approximately 10 mm (3/8 in);
2. Crimp the connectors onto the wires in order to hook-up the system.
3. Insert the low-voltage wires into the power unit's low voltage terminal. Slightly pull on the low-voltage wires to verify that they are properly fastened to the terminal.
4. To remove the wires, gently pull the connector out of the socket.

6. SYSTEM OPERATING INSTRUCTIONS

Your new system is ready to be used, here are some simple guidelines to follow when using your power unit:

- Insert the flexible hose in one of the wall or floor vacuum inlets installed in your home;

- If you use a hose fitted with a remote switch on the handle, use the interrupter on the hose's handle to turn the power unit on or off.

7. SYSTEM MAINTENANCE

FILTRATION SYSTEM

In order to maintain good air quality in your home, the economical model vacuums dust into a disposable filtration bag attached to the unit's air intake. This unit is also equipped with a support pad which protects the filtration bag in the vacuum chamber.



IMPORTANT

DO NOT vacuum gypsum dust, flour, mud, or any sludgy materials as they cake onto the filter and obstruct the filtration system resulting in the overheating of the motor and thus failure of the power unit to function properly.

DISPOSABLE FILTRATION BAG REPLACEMENT

The disposable filtration bag must be changed at least every 3 months to ensure proper functioning of the power unit.

DISPOSABLE FILTRATION BAG	VACUUM MODEL
FILTRE-189	SOLSTICE



IMPORTANT

This appliance MUST always be used with a disposable filtration bag; the bag is the only filtration system of the unit.



To replace the filtration bag:

1. Remove the unit's cover;
2. Gently remove the used filtration bag from the air inlet;
3. Dispose of the used filtration bag;
4. Take out the new filtration bag of its plastic wrapping;

5. Put it in place by gently inserting the extendible rubber part of the filtration bag on the plastic air inlet;
6. Put the unit's cover back in place.



NOTE

» When replacing the filtration bag, make sure that the extendible rubber part of the filtration bag is neatly fitted on the plastic intake pipe and that the unit cover is properly installed to prevent any suction loss.



IMPORTANT

The warranty will be void if non-recommended filters are used to repair the unit. Husky recommends strongly to use only Husky certified filters

MOTOR

All units are equipped with a soft-start control module and have a LED communicating the system status (see fig. 3 in section 8 for more details on LED colour interpretation). When the LED changes to amber, it is time to make an appointment with a Husky certified technician for a complete check-up of the unit. This mandatory maintenance will extend the life of the unit and keep the warranty valid. If it is still not carried out after 20 hours of additional operating, the device will automatically switch off as a safety measure.



All units also have a mini breaker (power cut-off) directly connected to the module which protects the motor against an overload and prevents overheating.











8. TROUBLESHOOTING

Failure of the power unit could be caused by:

- Inadequate power level (voltage / amperage) (ensure that power level complies with the power unit's electrical requirements);
- Malfunction of the motor or control module.

Simple checks can often help you find out why your power unit is inoperative. We invite you to verify the following before calling a service technician.

SITUATION	VERIFICATION
NO POWER	Check that the power unit's electrical cord is plugged directly into a power outlet.
	The power unit is equipped with a mini breaker (button on the side of the motor housing) which protects the motor against an overload. To reset the mini breaker, simply push the button. If the power goes off one more time, call a service centre near you.
	Using a screwdriver fitted with a rubber handle, touch both pins of the low voltage terminals (short circuit the 2 pins) on the side of the motor housing. If the power unit starts, the problem lies with the low voltage wiring (installed along the piping).
	You should then verify if the 24 V circuit is adequately connected by checking each inlet. Open the inlet cover, touch the small contacts with the head of a pair of metal pliers with rubber handles. This will establish power and start the motor. Repeat for each vacuum inlet.
	 NOTE » If all vacuum inlets are functional and your flexible hose is a low-voltage technology handle, then there may be a defect in the cut-off switch of the hose or the hose itself.
Check the breaker on your electric circuit panel.	
DECREASED SUCTION	The flexible hose may be blocked. If you cannot unblock it, try inserting the opposite end of the hose into the wall inlet; touch the contacts which are located on the inside of the inlet with the hose wand in order to start the power unit.
	 NOTE » Frame the inlet with your hands or a large enough piece of cloth (such as a towel) to ensure the maximum suction to unblock the hose.
	Check that the cover on the unit is well in place and that the gasket is in good condition.
	Check if the disposable filtration bag needs to be replaced.
	Make sure all inlets are airtight.
	If the pipes are visible in certain areas: check if the fittings are well glued and that there are no air leaks.
	If the pipes should be blocked behind the walls, it is possible to determine where the blockage is located by starting from the furthest inlet from the central vacuum. Insert a tissue paper and check to see if the tissue paper reaches the dust canister. Repeat the same for each inlet.

SIGNIFICATION	NIVEAU LEVEL	DEL LED	MEANING
Brancher le cordon d'alimentation à une prise électrique.	0		Plug power cord to electrical outlet.
Le cordon d'alimentation vient d'être branché à une prise électrique.	1		Power cord has just been connected to electrical outlet.
Système opérationnel.	2		System operational.
Vidange/nettoyage requis. Remise à zéro: Garder le bouton enfoncé 5 secondes.	3		Cleaning/emptying required. Reset: hold button pressed for 5 seconds.
Vidange/nettoyage requis. Remise à zéro non requise: l'unité motrice reviendra au niveau 2.	4		Cleaning/emptying required. No reset required: Power unit will return to level 2.
Planifier un appel de service.	5		Schedule service.
Service requis.	6		Service required.
Constante	Clignotement Lent	Clignotement Rapide	
			
Solid	Blinks Slowly	Blinks Fast	

LED INTERPRETATION GUIDE

All Husky power units with internal control module come with an explicative sticker (inside the module casing cover where applicable).



NOTE
» The indicator in step 4 will not appear on this power unit model.

Fig.3 LED interpretation guide

9. SERVICE AND COMMITMENT

OUR COMMITMENT: SATISFYING YOUR NEEDS

In an effort to always provide customers with the best products available we welcome comments and suggestions from our customers all over the world. We want to develop a strong commitment in providing all of our customers the products which are always of the finest quality that meets or exceeds their needs.

If you have any comments or suggestions related to our products or distributors, please contact us.

For any inquiries:

Call us at:

450-622-9000

1-800-361-3965

E-mail us at:

info@nuera-air.com

Send us your comments to :

Husky – Customer Service

3695 Desserte des Laurentides (A-15) E

Laval, QC H7L 3H7 CANADA

You can also visit us at our web site
to see all our products or find a local
distributor at:

www.huskyvac.com

10. RECYCLING INSTRUCTIONS

Old power units contain valuable materials that can be recycled.

DO NOT dispose of such appliances with the normal domestic waste but rather by way of appropriate collecting points.

TEN (10) YEAR WARRANTY



Husky congratulates you on your purchase and thanks you for the confidence shown towards our high quality products. Husky offers you a ten (10) year warranty on your new central vacuum, and five (5) years on accessories. The benefits of the warranty are detailed in this document. We invite you to carefully read the information below in order to have a fulfilling and rewarding experience when using your Husky central vacuum system.

TEN (10) YEAR WARRANTY ON POWER UNIT COMPONENTS AND FIVE (5) YEAR WARRANTY ON LABOUR

All parts of your Husky power unit are warranted against manufacturing and/or functional defects for ten (10) years, from the original date of purchase. See "Conditions and details of the ten (10) year warranty" below for normal use conditions covered by this warranty. The power unit must be used under normal conditions and with regular maintenance, as indicated in the user manual provided with the power unit. The warranty is valid for residential use only. Any commercial or industrial use will void this warranty.

CONDITIONS AND DETAILS OF THE TEN (10) YEAR WARRANTY

For ten (10) years from the original date of purchase of the power unit, Husky commits to repair or replace the power unit under warranty. If the power unit cannot be repaired according to the conditions of this warranty, an equivalent replacement power unit will be provided. For the first five (5) years from the original date of purchase of the power unit, Husky commits to repair or replace the power unit under warranty without any labour costs. When the initial five (5) year period has passed, labour costs needed to perform part replacement under this warranty will be charged to the owner of the system. To qualify for this warranty, the owner must immediately contact Husky at **1-800-361-3965** to notify us of any problem with the power unit. Additional instructions shall then be provided. Any travel or administrative costs that may occur will not be reimbursed to the owner of the system.

The original proof of purchase must accompany the product for repair under warranty. The on-line warranty registration can be a substitution to the original receipt. The use of electrical currents other than those indicated on the power unit, or any repairs done by non-qualified persons will void this warranty. The warranty will equally be void if the central vacuum system is used to vacuum liquids. Furthermore, the warranty will be void if the central vacuum system is used to vacuum any material prohibited as mentioned in the user manual. Husky will not be in any way responsible for any damage resulting from use that is not recommended in the user manual. The warranty does not cover damage resulting from abusive use, problems caused by a faulty installation or by any physical and/or functional alterations of the system. Abusive use may be considered if the installation is not done properly or if the guidelines outlined in the user manual or the installation instructions of the system are not followed.

To get maximum benefit from your central vacuum system and to keep the warranty valid, Husky recommends a regular replacement of

the filter and adhering to the maintenance instructions as described in the user manual. Consumables, such as motor carbon brushes and filtration bags are not covered by this warranty. Any repair, maintenance and replacement of carbon brushes must be done by an authorized technician. Any costs related to normal maintenance including the changing of carbon brushes are the responsibility of the owner.

FIVE (5) YEAR WARRANTY ON ACCESSORIES (PARTS AND LABOUR)

All accessories and hoses have a five (5) year warranty on manufacturing defects from the date of the original purchase. The warranty does not cover damage resulting from abusive use or by any physical and/or functional alterations of the accessory or hose. Abusive use may also be considered if the installation is not done properly or if the guidelines outlined in the user manual or the installation instructions of the system are not followed. To qualify from this warranty, the owner must immediately contact Husky at **1-800-361-3965** to notify us of any problem with the defective part. Additional instructions shall then be provided. Any travel or administrative costs that may occur will not be reimbursed to the owner of the system by the manufacturer. The original sales receipt must accompany the defective part.

GENERAL WARRANTY CONDITIONS RELATING TO THE INSTALLATION

Any deviation from the installation instructions from Husky will immediately void any warranty provided by Husky. The installation of the power unit must be done according to the best standards and respecting regulations and other building codes. There may be local codes or regulations concerning electrical installations. Husky will not be in any way responsible for any damage resulting from a faulty or improper installation under this warranty. The installer must follow all regulations and laws as well as the installation instructions from Husky in order to maintain this warranty from Husky valid for the unit installed.

ADDITIONAL WARRANTY

Husky shall not be liable in respect of any additional warranty given to the purchaser by an authorized Husky product distributor or other authorized agents.

