



VARIKWIK™ HOOD

USER MANUAL- VK-VH1 & VK-VH2



READ THIS MANUAL COMPLETELY BEFORE OPERATING THIS APPLIANCE

IMPORTANT: DO NOT DISCARD THIS MANUAL

This manual is considered to be part of the appliance and is to be given to the OWNER or MANAGER, or to the person responsible for training operators of this appliance.

THIS MANUAL IS TO BE UNDERSTOOD BY ALL PERSONS USING OR INSTALLING THIS APPLIANCE.

Contact Cadco if you have questions regarding installation, operation or maintenance of this equipment.

Hours

8:30am - 5:00pm (Eastern)
Monday through Friday

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Knowledge of proper installation, operation and maintenance procedures is essential to ensure the safe operation of this oven.

1. Always have dry hands when operating.
2. If an electrical shock is felt when touching the hood, disconnect the power immediately and call Cadco Technical Service for assistance or service.
3. If the power cord is frayed or the plug damaged, DO NOT PLUG INTO THE ELECTRICAL POWER RECEPTACLE. IF IT IS ALREADY PLUGGED IN, SHUT OFF THE MAIN CIRCUIT BREAKER, LOCATED IN THE BREAKER BOX, THEN DISCONNECT THE PLUG.
4. DISCONNECT THE POWER CORD BEFORE ATTEMPTING ANY REPAIRS TO THE HOOD AND/OR CLEANING THE UNIT.
(REPAIRS TO THIS UNIT MUST BE PERFORMED BY QUALIFIED PERSONNEL.)
5. DO NOT SPRAY WITH WATER HOSE OR SUBMERGE THE HOOD. ELECTRICAL COMPONENTS AND WIRING PRESENT A HIGH SHOCK HAZARD WHEN WET.
6. NEVER USE THE HOOD WITHOUT FRONT FILTERS

Safety Precautions

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

When using electrical appliances basic safety precautions should be adhered to, including the following:

1. Read all the instructions before use.
2. To avoid electric shock, do not immerse the power cord, or any part of the unit, in any liquid.
3. Unplug appliance from the electrical outlet when not in use, and before cleaning. Allow appliance to cool before installing or removing any parts or accessories, and before cleaning.
4. Do not operate any appliance with a damaged cord or plug, or if appliance should sustain damage, or malfunction in any way. (Please see warranty on page 13 for service and repair)
5. Do not allow the power cord to hang over the edge of a table or counter, or to be exposed to hot surfaces, as damage may occur.
6. To disconnect an appliance, **first** turn all controls to the 'off' position then unplug the power cord from the wall outlet.
7. Do not use appliance other than for its intended use.



CAUTION: BURN HAZARD

Exposed metal surfaces can be hot to the touch and may cause burns.



WARNING: ELECTRIC SHOCK HAZARD

All servicing requiring access to non-insulated components must be performed by qualified service personnel. DO NOT open any access panel that requires the use of tools. Failure to heed this warning may result in severe electric shock.

Disconnect this appliance from electrical power before performing any maintenance or servicing.



WARNING: RISK OF FIRE

Before using the appliance make sure that there aren't any non-compliant object (instruction manuals, plastic bags or other) in the oven cavity; likewise, make sure that the smoke exhaust is free of obstructions and that no flammable materials are in its vicinity.

UNPACKING AND INSPECTION

1. Remove the hood from shipping carton, ensuring that all packing materials and protective plastic have been removed from the unit.
2. If the unit shows signs of damage please read our FREIGHT DAMAGE PROCEDURE
3. Read operation instructions completely.
4. Vent Hood should be cleaned before use. See CLEANING INSTRUCTIONS on page 9 of this manual.

Cadco strives to ensure the appliance is received in good working condition. To prevent shipping damage, the appliance is shipped from the factory and must only be transported using pallets supplied by Cadco. Each unit has been carefully inspected before it was packaged and consigned to a shipper/installer.

IMPORTANT NOTES

DO NOT DISCARD the carton or other packing materials until you have inspected the appliance for hidden damage and checked it for proper operation.

FREIGHT DAMAGE PROCEDURE

NOTE

For your protection, please note that equipment in this shipment was carefully inspected and packaged by skilled personnel before leaving the factory. Upon acceptance of this shipment, the transportation company assumes full responsibility for its safe delivery.

IF SHIPMENT ARRIVES DAMAGED:

1. **VISIBLE LOSS OR DAMAGE:** . If the unit gets damaged during shipment and Cadco is picked the carrier Cadco will file the claim. If the dealer picks a 3rd party carrier you will need to file a claim.
2. **CONTACT CADCO OR DEALER CLAIM FOR DAMAGE IMMEDIATELY**
3. **CONCEALED DAMAGE:** If the outside packaging looks damaged you need to sign concealed damage on the bill of lading. If the shipment looks like it was damaged you will need to sign refuse shipment on the bill of lading. If you find concealed damage report within 48 hours to Cadco pictures of what was damaged.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This hood is equipped with a cord that has a grounding wire with a grounding plug, which must be plugged into an outlet that is properly installed and grounded. DO NOT use an extension cord.

WARNING—Improper use of the grounding can result in a risk of electric shock.

Consult a qualified electrician or service agent if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

Power Cord Replacement or Removal

If the power cord is damaged, it must be replaced by the manufacturer, or its approved service agent.

Installation & Start- Up

NOTE:

The technical content of this manual, including any wiring diagrams, schematics, parts breakdown illustrations and/or adjustment procedures, is intended for use **ONLY** by qualified technical personnel. **If your unit came factory installed please proceed to the next section.**

The Varikwik™ Ventless hood (VK-VH1 & VK-VH2) is designed to improve the environment for kitchen staff and patrons by removing particulates and odors from the air. It only works with Varikwik™ models. The VK-VH1 operates from a 115V outlet, and draws .61A. It comes with a preinstalled NEMA 5-15P cord. The VK-VH2 operates from a 230V outlet, and draws .30A. It comes with a preinstalled NEMA 6-20P cord.

The air filtering system consists of the following three filters.

- Washable grease filter
- Disposable electrostatic particulate filter
- Disposable activated charcoal smoke filter

INSTALLATION CODES AND STANDARDS

Installations within the United States, must follow:

- 1.State and local codes.
- 2.National Electrical Code (ANSI/NFPA No.70, latest edition) available from the National Fire Protection Association, Batterymarch Park, Quincy, MA 02269.
- 3.Vapor Removal from Cooking Equipment, (NFPA-96, latest edition) available from NFPA.

Installations within Canada, must follow:

1. Local codes.
- 2.Canadian Electrical Code (CSA C22.2 No.3, latest edition) available from the Canadian Standards Association, 5060 Spectrum Way, Mississauga, Ontario, Canada L4W5N6.

The appliance is very heavy and may require the use of moving equipment. Do not lift or move the appliance without adequate help. Heavy lifting, over 51 pounds (23 kg), may result in personal injury. Make sure the appliance is not in danger of tipping over during transportation.

Before positioning the appliance, check the measurements and the exact position of the electrical, plumbing, and exhaust connections. Check for proper clearance with shut off valves and drain line hook ups.

The installation site must be able to withstand the maximum weight of the fully loaded appliance. Make sure the unit fits through all doors, corridors, passageways, or other openings required to reach the installation site.

Installation:

The VK Hood is shipped fully assembled. Remove from packing materials and make sure the unit is complete and undamaged. The Varikwik™ Oven with Hood must be installed on a level surface, away from sources of excessive heat and moisture. Insure that nothing is blocking the air exhaust ports.

REMOVING THE PROTECTIVE FILM

Slowly remove the protective films from the appliance. Clean any glue residue with appropriate solvents without using tools, abrasive detergents or acids that could spoil the surfaces. The film is potentially dangerous and must be kept out of the reach of children and animals, and correctly disposed of in compliance with local regulations.

Smoke and odours coming from the oven cavity are evacuated through the hood smoke flues. External evacuation can be performed in 1 of 2 manners:

1. Direct evacuation in the oven installation area.

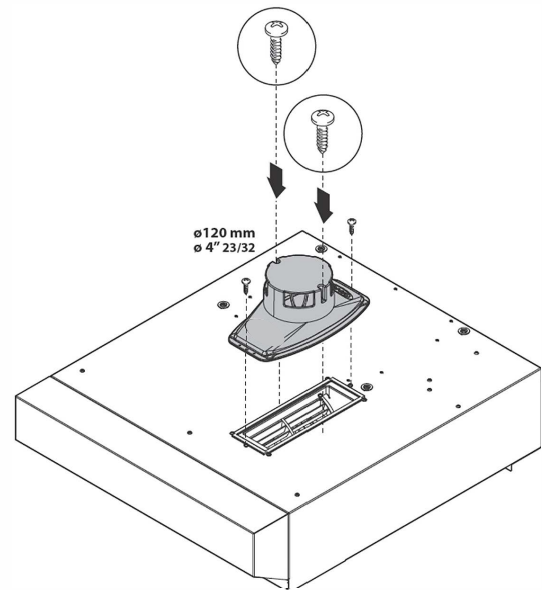
Make sure that there are no objects or materials obstructing the flue or which may be damaged by the temperature or fumes. Do not leave flammable materials near the smoke exhausts.

2. Evacuation through an efficient ventilation flue.

The Cadco smoke flue, available as an optional, must be installed. The flue must preferably have the same diameter (0 4" 23/32 inches - 120mm) throughout the entire length of the oven's exhaust pipe connection.

FITTING THE FLUE COVER

We recommend a flue cover be installed on top of the external end of the flue, to prevent rainwater from getting into the oven and to minimise pressure drops caused by the Venturi effect, which can occur during strong air currents.



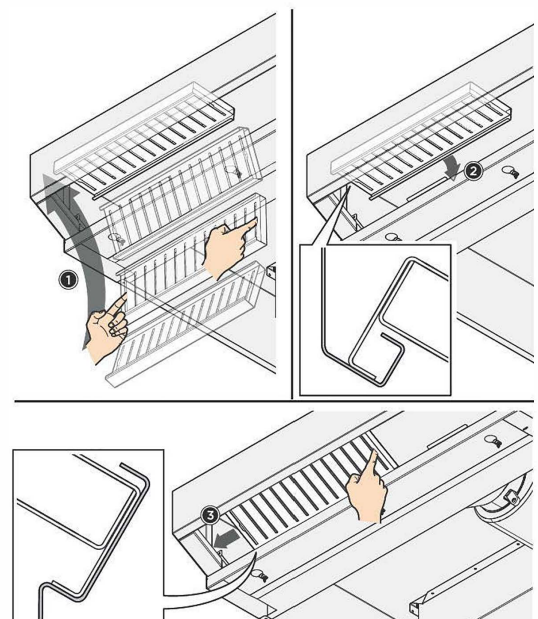
Never use the hood without the front filters.

INSTALLING THE FILTERS

Make sure filters are correctly positioned during installation (the filter with slots on both sides must be placed in correspondence with the oven handle, so that the steam is aspirated as soon as the oven door is opened).

EXTERNAL FRONT FILTERS

Wait for the filters to cool off. The front filters must be removed from time to time as shown in the figure and washed with soapy water or in the dishwasher. Make sure that they are completely dry before re-mounting them.



Specifications



VK-VH1 - 654796-54430-1

Ship wt: 46.75 lbs

Ship dims: **W** 27.5" x **H** 15" x **D** 35.5"

Cu. Ft: 4.3 ft³

Unit wt: 36.75 lb

Unit dims: **W** 22.6" x **H** 12" x **D** 30.34"

Voltage: 115V

Watts: 70W

Amps: .61A

NEMA 5-15P



VK-VH2 - 654796-54431-8

Ship wt: 46.75 lbs

Ship dims: **W** 27.5" x **H** 15" x **D** 35.5"

Cu. Ft: 4.3 ft³

Unit wt: 36.75 lb

Unit dims: **W** 22.6" x **H** 12" x **D** 30.34"

Voltage: 230V

Watts: 70W

Amps: .30A

NEMA 6-20P



Construction

Material: Stainless Steel

Finish: Charcoal

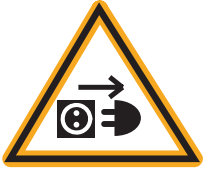
Filters Removable from Front Filter

1. Baffle grease filter, cleanable and reusable
2. Electrostatic material particulate filter to remove smaller particles in the air – disposable
3. Activated charcoal filter to treat odors – disposable

All warranty information listed on page 13-14.

Cleaning & Care

CAUTION: Unplug equipment and allow to cool before cleaning.



Disconnect appliance from electric power before cleaning.



Exposed surfaces can be hot to the touch and may cause burns. Allow appliance to cool before cleaning.



DO NOT spill or pour water into controls, control panel or wiring. Water damage is not covered by warranty.

Daily Cleaning:

1. Inspect grease cup; empty and wash with soap and water as necessary; reinstall.
2. Clean exterior of vent with soap and water or equivalent.

Weekly Cleaning:

1. Remove the front filter and the other filters. (Can be seen behind it)
2. Visually inspect filters.
3. If grease filter has accumulated grease, remove it and wash in pot sink or dishwasher.
4. Never expose the carbon filter to water!
5. Wipe any visible residue from the filter area, with a cloth dampened with soap and water or equivalent.
6. Be sure filters are dry before replacing them in the unit.
7. Reinstall front panel by reversing the above procedure.

Periodically:

1. Unplug unit from power source.
2. Remove front filters as explained above.
3. Replace carbon and particulate filters when contaminant level impairs efficiency.
4. Replace filters.

CAUTION: Cleansers, detergents, degreasers, sanitizers, or bleaching agents that contain chlorides or phosphates will cause permanent damage to stainless steel products. The damage appears as pits, eruptions, voids, small holes, severe discoloration or dulling of the metal finish.

Water with high chloride content can also damage stainless steel. If unsure of your water quality, we recommend you have it tested. **THIS DAMAGE IS PERMANENT, COSTLY TO REPAIR, AND IS NOT COVERED BY THE WARRANTY.**

See the following page for tips on cleaning stainless steel.

RECOMMENDED TIPS FOR CLEANING STAINLESS STEEL

Purpose	Frequency	Cleaning Agent	Method of Application
Routine	Daily	Soap, Ammonia cleaning detergent and water	Sponge with cloth, rinse with clear water and wipe dry.
Smears/ Fingerprints	As needed	Stainless steel cleaner or similar products	Rub with soft cloth as directed on packages. Rub in direction of grain of stainless steel. Do not use in vinyl trim.
Stubborn spots and stains	Daily as needed	Any chloride - free or phosphate cleaner	Apply with damp sponge or cloth. Rub in direction of grain of stainless steel. Rinse thoroughly, especially if cleaner contains chlorine bleach; do not use on vinyl trim.

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Hard water spots

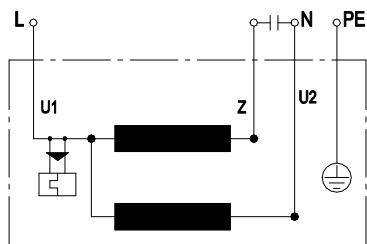
Daily as needed

Vinegar

Rub with soft cloth as directed on packages. Rub in direction of grain of stainless steel. Do not use in vinyl trim.

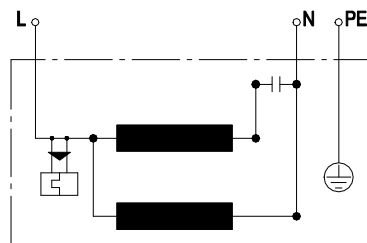
Diagram/Schematics

Schematics for VK-VH1



U1	blue	Z	brown	U2	black
PE	green/yellow				

Schematics for VK-VH2



L	blue	N	black	PE	green/yellow
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Service Expectations

Service Philosophy

For over twenty years, Cadco has earned a reputation for manufacturing dependable foodservice equipment that permits foodservice professionals serve better food products to more people, and thus, grow their business.

Our goal is not only to provide the best food service equipment for the price, but also to back it up with after-sale service that is fast, and professional. Cadco products are innovative and efficient. Although our products are reliable, they are designed to easily be repaired, if necessary.

We believe that a malfunction to a Cadco product should cause as little inconvenience to the customer as possible. Our goal is to provide the same day support response and strive to fix it the first time. We are dedicated to making every aspect of our customer service the standard by which others are judged.

End-User Responsibilities

While we all strive to serve our mutual customers as well as possible, we remind the end-user (and their employees) that they also have some responsibilities.

1. All shipping damage must be noted on the freight bill when the shipment is received. Any freight damages must be collected from the Freight Company, NOT Cadco.
2. The end-user should be advised beforehand to carefully unpack and inspect all products when they are received BEFORE SIGNING THE SHIPPER'S RECEIPT OF DELIVERY.
3. The end-user must provide a safe, dry, level surface for the equipment to be placed upon.
4. The end-user must provide the proper electrical supply. All in-wall electrical modifications are to be completed by a licensed electrician. All building modifications are the responsibility of the end-user. Specification literature changes frequently, please verify proper installation is possible.
5. The end-user must operate, clean and maintain the equipment in accordance with the procedures described in this Operation Manual.

6. Cadco is NOT responsible for any loss of the customer's income, loss of food product, extra labor charges, or any other incidental or consequential costs as a result of the malfunction of our product.

7. The end-user shall allow for on-premises repair of the equipment to be completed at a mutually convenient place and time.

Warranty Statement

WARRANTY SERVICE

1. This product has:
 - 1 year parts and labor
 - 1 year motor and fan
2. All service is to be initiated by authorized Cadco personnel only. The service provider is NOT authorized to change or extend any of the terms or conditions of our warranty.
3. This product was designed to be a hood for Varikwik™ Ovens only. Any other use will void your warranty.

CONFIDENTIALITY

1. The end user and all his employees and sub-agents shall protect and keep confidential Cadco's proprietary designs, information, and knowledge.
2. All literature and informational materials provided by Cadco are to be considered confidential; they remain Cadco's property; and are not to be reproduced without our prior approval.

NOTE:

The technical content of this manual, including any wiring diagrams, schematics, parts breakdown illustrations and/or adjustment procedures, is intended for use ONLY by qualified technical personnel.

Cadco Warranty:

Unless otherwise noted, Cadco, Ltd. warrants all products (in the U.S only) to be free from defects in material and workmanship for a period of one year from date of purchase.

(See product descriptions and warranty table for other warranty periods on specific models / parts) Warranty does not apply in cases of misuse, abuse, or damage from external service or repair attempts by unauthorized personnel.

Cadco national service number 877-603-7393 MUST be called first for authorization of any Warranty Service at any service location.

Service centers available throughout the U.S. can be found by visiting :

Cadco Service Locations page at www.cadco-ltd.com.

For Canadian service contact Cadco' number directly.

If returning a unit directly to Cadco, Ltd. for warranty repair, please call us first for a Return Authorization Number, which MUST be written on the outside of the carton to track the unit and avoid service delays.

The customer is responsible to ship or deliver carry-in service items to a Cadco authorized service center, or directly to Cadco. If shipping the unit, be sure to pack it securely and insure it for its original purchase price. Cadco is not responsible for damage or loss of unit in transit to us or a service center.

Please do not return units to the store where purchased for warranty repair.

WARRANTY PROCEDURES:

For the Cadco authorized US service agent nearest you, please contact:

Cadco, Ltd., 200 International Way, Winsted, CT 06098

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