



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NILFISK SS MERCURY VACUUM. You'll find the answers to all your questions on the NILFISK SS MERCURY VACUUM in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual NILFISK SS MERCURY VACUUM
User guide NILFISK SS MERCURY VACUUM
Operating instructions NILFISK SS MERCURY VACUUM
Instructions for use NILFISK SS MERCURY VACUUM
Instruction manual NILFISK SS MERCURY VACUUM



Nilfisk SS Mercury Vacuum Instructions for Use



Caution: This Nilfisk vacuum cleaner, or any other vacuum cleaner, is not to be used in explosion hazardous areas as serious injury could result.

Your new Nilfisk SS Mercury Vacuum is a precision-engineered instrument designed expressly for the capture of inorganic mercury spills and the pickup of mercury compound dust. Ordinary vacuum cleaners do not have activated-carbon adsorbent filter cartridges for mercury vapors or HEPA* dust filters. They cannot be used for picking up liquid spills or finely ground hazardous mercury compound powders and dust. This Nilfisk machine is safe to use as a mercury droplet collector as long as certain precautions are taken. It is safe to use as a hazardous dust collector as long as other precautions are taken. Proper care of this cleaner is essential to the maintenance of its ultra-fine filtering capabilities.

Attention Employer: Please ensure that these **Instructions For Use** are made available and understood by your employees or any other person who may use this equipment.

Before Use: Do not attempt to operate this cleaner until you have installed its various components according to the following instructions.

ASSEMBLY AND USE

1. Remove the upper two-thirds of the cleaner by releasing the clips attaching the adsorbent filter cartridge to the lower container. Lift off this upper part, taking care when setting it down again that the HEPA pre-filter is not damaged or displaced.
2. Liquid Mercury Collection: Open a GORE-TEX® droplet collection bag (#017225-01) and slide the metal retaining clamp (#017036-01) around the collar of the bag. Slide the opening, seam side down, over the container's plastic inlet tube (photo 1). To secure the bag, tighten the metal retaining clamp around the inlet tube by pulling the ends together and screwing the clamp shut.



Mercury Dust and Other Dry Applications: Remove the inlet cap (#017262-02). Pierce the paper bag's perforation. Expand the paper bag (#816200) carefully and place it in the lower container. With both hands, pull the bag's collar over the suction inlet (photo 2). (The Gore-Tex bag can also be used for small dry applications.)



3. Replace the top two-thirds of the machine on the container bottom and secure clips. Be sure that all silicone rubber seals are seated properly to ensure that the seals are tight.

* HEPA - High Efficiency Particulate Air - Retains 99.97% of particles down to 0.3 microns in size.
® GORE-TEX is a registered trademark of W. L. Gore and Associates.



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Manual abstract:

Your new Nilfisk SS Mercury Vacuum is a precision-engineered instrument designed expressly for the capture of inorganic mercury spills and the pickup of mercury compound dust. Ordinary vacuum cleaners do not have activated-carbon adsorbent filter cartridges for mercury vapors or HEPA* dust filters. They cannot be used for picking up liquid spills or finely ground hazardous mercury compound powders and dust. This Nilfisk machine is safe to use as a mercury droplet collector as long as certain precautions are taken. It is safe to use as a hazardous dust collector as long as other precautions are taken. Proper care of this cleaner is essential to the maintenance of its ultra-fine filtering capabilities. Attention Employer: Please ensure that these Instructions For Use are made available and understood by your employees or any other person who may use this equipment. Before Use: Do not attempt to operate this cleaner until you have installed its various components according to the following instructions. ASSEMBLY AND USE I. Remove the upper two-thirds of the cleaner by releasing the clips attaching the adsorbent filter cartridge to the lower container.

@@@Mercury Dust and Other Dry Applications: Remove the inlet cap (#017262-02). Pierce the paper bag's perforation. Expand the paper bag (#816200) carefully and place it in the lower container. With both hands, pull the bag's collar over the suction inlet (photo 2). (The Gore-Tex bag can also be used for small dry applications.

) 3. Replace the top two-thirds of the machine on the container bottom and secure clips. Be sure that all silicone rubber seals are seated properly to ensure that the seals are tight. * HEPA High Efficiency Particulate Air Retains 99.97% of particles down to 0.

3 microns in size. ® GORE-TEX is a registered trademark of W.L. Gore and Associates. 2 4. Installing the Fixed Power Cord: At the rear of the motor, remove and discard the screws in either side of the plug inlet. Slide the gray cord fixer (illustration A) into the grooves on the power cord plug. Plug cord in and fasten cord fixer with the screws provided. A 5. Installing the optional HEPA Exhaust Filter: If the cleaner is to be used for the recovery of hazardous or toxic dust in a controlled environment, the HEPA exhaust filter must be installed (photo 3).

On either side of the motor are two large screws. Turn them 90 degrees either way to a vertical position and push down on the center of the motor handle. This will disengage the motor handle and motor diffuser. Replace them with the exhaust filter and its longer exhaust filter handle, then turn the screws 90 degrees back to their original horizontal position. The exhaust filter is now properly mounted. 6. Attaching the Accessories: For liquid mercury spills, install the clear Tygon hose (#017262). This hose features a tapered reinforced tip; no nozzles are needed. For dust applications, a variety of optional 1-1/4" diameter hoses, wands and nozzles is available. For added security, the canister is equipped with positive twist safety latches (photo 4).

7. To start and stop the motor, depress the gray switch on the front of the motor. CAUTION: IT IS IMPORTANT THAT SPILLS BE ATTENDED TO IMMEDIATELY. IT IS EQUALLY IMPORTANT THAT THEY BE CLEANED UP CAREFULLY, THOROUGHLY AND SLOWLY. 4 3 EMPTYING SINCE THIS VACUUM CLEANER IS USED TO COLLECT HAZARDOUS MERCURY LIQUID AND DUST, DO NOT ATTEMPT TO OPEN OR EMPTY ITS CONTENTS WITHOUT PERSONAL PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION.

1. @@@@The hose should then be sealed with the hose clamp provided. 2. @@@@3. @@@@Dispose of the paper bag in a sealable plastic bag. @@@@1. @@@@2. @@@@Do not attempt to reuse the disposable paper bag. Specify Nilfisk part number 816200 when reordering. 3. @@@@It cannot be renewed or restored. @@@@Remove the top one-third of the container and set it aside. @@@@With a screwdriver, unscrew the four screws from the HEPA cover. Remove the HEPA cover and set aside.

@@Remove both metal clamps and carefully remove the filter. @@Replace the two metal clamps and secure them with the four screws. @@@@Reassemble container. 4. @@For more information, please refer to the Special Notes section on Page 4. 5. Microfilter: This small white felt sock, which fits over the motor bottom, will require periodic inspection (photo 7). Dark colored dust will 7 2 discolor this white microfilter. Change the microfilter as soon as discoloration is easily noticeable. Frequency of replacement will depend on the amount of use the cleaner gets.

Do not shake these microfilters since this can cause liberation of potentially harmful microscopic dust into the air. Remove carefully and discard with collected debris in the sealable poly bag. Specify Nilfisk part number 616821 when reordering. 6. HEPA Exhaust Filter: If the microfilter is properly maintained, the glass fiber element in the exhaust filter should perform satisfactorily for at least one year (photo 8).

It cannot be renewed or restored by shaking. Locate the large gray screws on either side of the motor top. Turn them 90 degrees either way to a vertical position and push down on the exhaust filter handle. Once the exhaust filter is disengaged, remove the protective aluminum casing by removing the four Phillips head screws in the housing. (See pamphlet enclosed with filter cartridge for detailed replacement 8 instructions.

) Replace the cartridge (Nilfisk part number 017276-XX) and reassemble. Cartridges must be replaced if the cleaner has noticeably stronger suction with the cartridge removed than with it in place. CAUTION: Use only genuine Nilfisk replacement filter components. The use of substitute components could pose a grave risk of personal exposure and will cause all equipment warranties to be void. SPECIAL NOTES IMPORTANT! The oversize capacity of the Nilfisk mercury vapor adsorbent cartridge is designed to provide extended filter protection against accidental discharge of mercury vapor during spill cleanup. Although the activated-carbon is designed to have a service and/or shelf life of five years, the only way to ensure that your activated-carbon filter still has useful capacity is to perform regular periodic checks of the cleaner's exhaust with a mercury detection device. CAUTION: IN-LINE CLOCKS INDICATE ONLY MOTOR RUNNING TIME. THEY DO NOT NECESSARILY INDICATE FILTER EXPOSURE TIME. Mercury spills are seldom foreseen. As a precaution against large spills or difficulties in storing recovered mercury, we recommend a supply of airtight droplet recovery bottles with lids (#017257-02).

3 4 COLLECTION BAG AND HOSE Item 1 2 3 4 5 6 7 Description Collection Bag Bag Clamp Hose Complete Inlet Connector Tygon Tube Nozzle Cap, Nozzle Part # 017225-01 017036-00 017262-00 017262-01 017261-00 017261-01 017990-15 Qty. 1 1 1 1 1 1 1 WARRANTY The Nilfisk companies warrant that Nilfisk equipment will be free of defects in workmanship or material for a period of two years from the date of delivery. @@@@NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PRODUCTION, LOSS OF TIME, LOSS OF PROFITS OR OTHER SIMILAR INDIRECT LOSSES WHICH MIGHT OCCUR AS A RESULT OF DEFECTS, PARTIAL OR TOTAL FAILURE OF THE PRODUCT TO PERFORM AS SPECIFIED.



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Correction of non-conformities or defects in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of the Nilfisk companies to the customer, whether based on contract, negligence or otherwise with respect to, or arising out of such equipment. The remedies set forth herein are exclusive, and the liability of the Nilfisk companies with respect to this sale or anything done in connection therewith, whether in contract, in tort, under any warranty, or otherwise, shall not except as expressly provided herein, exceed the price of the equipment or part on which such liability is based. The warranty does not cover repairs due to normal wear and tear, accident, neglect, misuse or abuse, incorrect installation or use other than as described in the instruction booklet. Breaks in hoses and cables are not covered. This warranty is rendered void if the motor number plate is removed or defaced or if repairs are made or attempted by persons not authorized by the Nilfisk companies. 5 .



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