



USER MANUAL

AUTOMATIC DUST VACUUMS

MODELS

UR500VAC

UR480VAC

UR500VAC-E

UR480VAC-E

UR500VAC-A

UR500VAC-J



UNI-RAM CORPORATION • ONTARIO • CANADA

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CONTENTS

| | |
|---------------------------------------|---|
| INTRODUCTION | 3 |
| CAUTIONS AND WARNINGS | 3 |
| PREPARATION | 4 |
| NOTES ON USE AND OPERATION | 4 |
| ACCESS TO THE MOTOR COMPARTMENT | 4 |
| MAINTENANCE AND TROUBLESHOOTING | 5 |
| FEATURES AND SPECIFICATIONS | 5 |
| REPLACEMENT PARTS | 6 |
| WARRANTY | 7 |

INTRODUCTION

Uni-ram holds many patents on designs used in its innovative products. Every machine is rigorously tested for compliance with stringent Quality Assurance standards. Follow the notes on preparation, use and operation to operate this machine safely and effectively. Ensure that this manual is readily available to the operator at all times. If you have any questions about the operation of this machine, contact:

North America:
Uni-ram Technical Service
1-800-417- 9133
Other Continents:
Contact Your Supplier

CAUTIONS AND WARNINGS

- Wear safety glasses and follow all local safety regulations.
- Do not use as a vacuum cleaner: use only with Pneumatic Power Tools that have vacuum return capability.
- Do not leave the unit unattended when plugged in. Unplug from outlet when not in use and before servicing.
- To reduce the risk of electric shock, do not use outdoors or near water or wet surfaces.
- Do not use with a damaged Power Cord or Plug. If the unit is not working as it should or if it has been dropped, damaged, left outdoors or immersed into water, contact Uni-ram for service instructions.
- Keep the Power Cord away from heat.
- Keep all openings free of objects, dust, hair, lint etc to prevent reduction of the air flow.
- Keep hair and clothing away from openings and moving parts.
- Do not use without a filter.
- Turn off the Power Switch before unplugging.
- The electric models must be plugged into a properly installed, grounded outlet.
- The filter is water resistant and washable in water. Do not use high pressure air or solvents to clean it. Cleaning with a soft brush is recommended.
- Do not operate the unit without a Vacuum Hose attached.

PREPARATION

Note: Item numbers given below refer to the parts listing on page 6.

1. Check for transportation or handling damage.
2. Make sure all parts and accessories are included.
3. Release the two Rim Clamps on the unit and remove the Vacuum Head Assembly.
4. Make sure no packing material is left inside.
5. Check to make sure the Filter is seated firmly. If not, tighten the Round Cap Nut at the base of the filter unit.
6. Remove the Vacuum Hose Assemblies from the bag (one for the UR480VAC and two for the UR500VAC). The Air Hose (the smaller of the two) protrudes at both ends and is longer than the Vacuum Hose.
7. Connect the Quick Coupler male end to the Air Inlets located on the Vacuum Head Assembly.
8. For easy tool changes, install a Female Quick Coupler (not supplied) to the 1/4" NPT connector provided at the other end of the Air Hose and a compatible Male Quick Coupler (not supplied) to the air tool.
9. Lift the Vacuum Inlet covers and insert the Vacuum Hoses.
10. Connect the air supply to the Air Inlet Fitting (1/4" NPT female threads) located at the back of the Vacuum Head just above the Power Cord. The air pressure should be adjusted according to the pressure requirements of the air tools. Do not exceed 150 PSI (10.3 kg/cm²). Some pressure drop is normal due to the length of the hoses. **Air pressure 20-30 PSI (1.5-2.0 kg/cm²) higher than what is specified for the air tool is recommended. To protect this unit and the air tools, an air line moisture filter/lubricator and a pressure regulator are also recommended.**
11. When the power supply is connected, the Pilot Lamp on the Vacuum Head will come on. Make sure the correct voltage is being supplied.
12. Install a Dust Collector Bag inside the Main Body (bottom portion) by overlapping the top edge of the Bag around the top of the base container. Make sure that the Vacuum Balance Tube (square tube) protrudes through a hole in the Bag (see the picture on Page 5).
13. Return the Vacuum Head to the unit and lock in position with the Rim Clamps.

NOTES ON USE AND OPERATION

1. The vacuum system is controlled by the on/off switch on the air tool. However, to clear the hose after use, the vacuum will continue for a few seconds after the air tool is turned off.
2. The Vacuum Motor will momentarily come on when the air tool is connected to the unit.
3. A Power Switch on the Vacuum Head Assembly overrides the on/off control by the air tool. This switch should be turned off during regular usage.
4. The top of the Vacuum Head is designed to be used as a shelf to hold tools, sandpaper etc.

ACCESS TO THE MOTOR COMPARTMENT

Service work must be performed by a qualified service technician.

1. Remove Protector Molding from the top edge of the Vacuum Head Assembly and keep for reinstallation.
2. Remove the three mounting screws and lift off the Vacuum Head Cover.
3. Pull out the Separator Plate (Item 2, Page 6) by the handle.
4. To re-install the Separator Plate, push it down until it sits firmly on top of the motor.
5. Re-install the Vacuum Head Cover and Protective Molding.

MAINTENANCE AND TROUBLESHOOTING

1. The cartridge filter is water resistant and washable in water. Do not use high pressure air or solvents to clean it. Cleaning with a soft brush is recommended.
2. After each use, knock the dust off the filter and after one hour of continuous use, lift out the Vacuum Head and check for dust accumulation. Replace the Bag if necessary.
3. If there is a decrease in vacuum performance, check the filter and check the vacuum hoses for blockage.



PLASTIC BAG (PART NO.50-970)



FILTER PART NO.
27-175 STANDARD
27-177 HEPA

FEATURES AND SPECIFICATIONS

Uni-ram Automatic Dust Vacs are powerful turbine vacuuming systems that extract dust and debris at 100 CFM and greatly reduce sandpaper consumption.

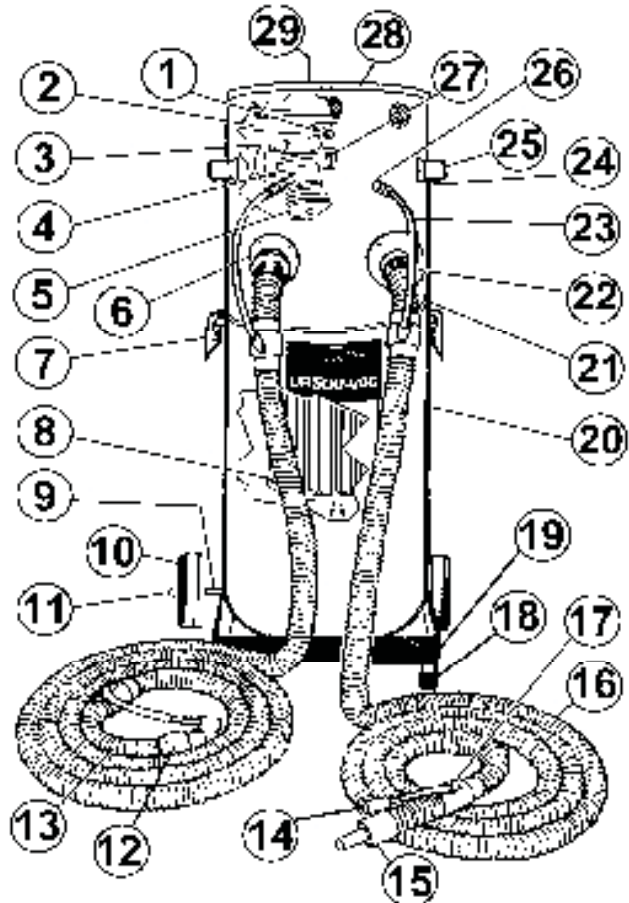
- Portable; for use with air powered vacuum assist tools
- Automatic activation by air tool
- Two stations/operators (UR500 series)
- Air flow: 100 CFM
- Air pressure: variable to 150 PSI
- Fume grade filter standard, HEPA available

| MODEL | UR500VAC | UR480VAC | UR500VAC-E | UR480VAC-E | UR500VAC-J | UR500VAC-A |
|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| WORK STATIONS | 2 | 1 | 2 | 1 | 2 | 2 |
| POWER (V/W) | 120/1350 | 120/1350 | 240/1350 | 240/1350 | 100/1350 | NON-ELECTRIC |
| SEALED VACUUM | 98.6" WATER | 98.6" WATER | 98.6" WATER | 98.6" WATER | 98.6" WATER | 98.6" WATER |
| STANDARD HOSE | 16 FT (4.88m) | 16 FT (4.88m) | 16 FT (4.88m) | 16 FT (4.88m) | 16 FT (4.88m) | 16 FT (4.88m) |
| DUST COLLECTION | PLASTIC BAG | PLASTIC BAG | PLASTIC BAG | PLASTIC BAG | PLASTIC BAG | PLASTIC BAG |
| FILTRATION | CARTRIDGE | CARTRIDGE | CARTRIDGE | CARTRIDGE | CARTRIDGE | CARTRIDGE |
| SHIP WEIGHT (LB/KG) | 54/24 | 50/23 | 54/24 | 50/23 | 54/24 | 54/24 |
| SHIP SIZE (WDH) | 19X19X44" | 19X19X44" | 19X19X44" | 19X19X44" | 19X19X44" | 19X19X44" |

REPLACEMENT PARTS

| ITEM | PART NO. | DESCRIPTION |
|------|------------|--------------------------------|
| 1 | 27-141 | Neon Lamp 100-120V |
| 1.1 | 27-142 | Neon Lamp 220V |
| 2 | 26-114 | Separator Plate |
| 3 | UFS25V-KIT | Flow Switch Assembly |
| 3.1 | 22-200 | Micro Switch Complete |
| 4 | 27-102 | Motor Holder Plate |
| 5 | KIT-26123* | Vac Motor Kit, 1350W, 120V |
| 5.1 | KIT-26127* | Vac Motor Kit, 1350W, 240V |
| 5.2 | KIT-26125* | Vac Motor Kit, 1350W, 100V |
| 6 | 26-270 | Vacuum Inlet Assembly, Left |
| 6.1 | 27-103 | Gasket Outlet Mount |
| 7 | 27-218 | Rim Clamp |
| 8 | 27-175 | Cartridge Filter, Large |
| 8.1 | 27-177 | HEPA Filter, Optional |
| 9 | 27-381 | Axle Shaft 1/2" x 18" ZP |
| 10 | 11-161 | Wheel, 6" Heavy Duty |
| 11 | 27-384 | Wheel Cap, 1/2" Axle |
| 12 | 26-721 | Hose Cuff 1.25" |
| 13 | 26-718 | Vacuum Hose, 1.25" ID, Short |
| 14 | QCM14MT | Quick Coupling, 1/4", MPT |
| 15 | 26-726 | Hose Cuff Reducer, 1.5-1.0" OD |
| 16 | 26-700 | Hose Assembly, Complete, 16' |
| 17 | 26-725 | Hose Connector |
| 18 | 10-168 | Leg Support Ferrule |
| 19 | 26-300-BK | Base Assembly |
| 20 | 26-200S | Main Body Assy, S. Steel |
| 21 | PEC14 | Seal Ring |
| 22 | 26-260 | Vacuum Inlet Assembly, Right |
| 23 | 26-751 | Air Hose, 3/8" ID |
| 23.1 | PET14X38 | Hose 3/8" OD, Per Foot |
| 24 | 26-111S | Vacuum Head S. Steel |
| 25 | NP-HAND572 | Handle, Chrome Plated |
| 26 | QCF38HB | Quick Coupling, 3/8", Female |
| 26.1 | QCM38HB | Quick Coupling, 3/8", Male |
| 27 | 27-131 | Power Switch 120V |
| 27.1 | 27-132 | Power Switch 240V |
| 27.2 | 27-133 | On-Off Plate Power Switch |
| 28 | 26-109 | Moulding, Vacuum Head |
| 29 | 26-101 | Vacuum Head Cover |
| | 27-217-CP | Tubular Handle Chrome Plated |

| ITEM | PART NO. | DESCRIPTION |
|--|----------|---------------------------------|
| | 27-151 | Power Cord Assembly 16' CSA |
| | 26-729 | Static Prevention Wire |
| | 26-100S | Vac Head Complete (Electric) |
| | 26-100A | Vac Head Complete (Air Powerex) |
| | 27-129* | Motor Brush |
| * For units purchased before 2005-12, call before ordering | | |



Full Product Warranty

These Uni-ram products have been engineered and manufactured to high performance standards. Each unit has been subjected to detailed factory testing before shipment.

This product comes with a one-year full warranty from the date of purchase. Uni-ram Corporation reserves the right to repair or replace the unit, free of charge, to the original purchaser if a part is found to be defective in material or workmanship as determined by factory service personnel. The items listed below under "Conditions of Warranty" as consumables are not covered.

Uni-ram reserves the right to direct the customer to ship the unit collect to the Uni-ram factory or to an approved Service Center for repair using the Uni-ram Return Goods Procedure or to repair the unit on-site. To prevent damage in transport, the purchaser must ship the unit in the original packaging or use alternate adequate packaging. All units must be shipped clean and free of solvent.

Conditions of Warranty:

As Uni-ram Corporation has no control over the working conditions or circumstances under which the purchaser stores, handles or uses the product, Uni-ram makes no warranty or claim, either expressed or implied with respect to this product's fitness for any purpose or the result to be obtained from its use. This condition applies to the sale of all products and no representative or distributor of Uni-ram Corporation has the authority to waive or change these conditions.

This warranty applies only to the original purchaser and does not apply if the unit has been misused, overloaded, neglected, altered or used for any purpose other than those specified in the operating and installation instructions. Deterioration due to normal wear is not covered by this warranty. Damage due to accident, transportation, fire, floods or acts of God is also not covered. Units whose serial numbers have been altered or removed are not covered. Unauthorized attempts at self-repair or alterations by the owner also invalidate this warranty. Interior or exterior finishes are not covered by this warranty.

Consumable Items are not covered by this warranty.

This warranty replaces all other warranties expressed or implied by statute or otherwise.

To make a claim, call Uni-ram Service at 1-800-417-9133 and quote the serial number of the unit.

