Guardair Corporation warrants the Machine Vac NED to be free from defects in materials and workmanship for as long as the original end-user purchaser owns the product, except as provided below. Guardair will, at its option, repair or replace with comparable product, any product, part, or component, which fails under normal use as a result of such defect. This warranty does not apply to damage caused by the carrier; normal wear and tear; deterioration due to solvents, corrosives, environmental conditions or harsh vacuumed material; scaling, saturation, or perforation of filters or exhaust silencers; consumable components; modifications to the product; attachments to the product not sold by Guardair; or any product not installed, used, or maintained in accordance with the foregoing and other published Guardair instructions and warnings.

Guardian's sole obligation and the end-user purchaser's exclusive remedy under this warranty shall be limited to the repair or replacement, at the sole discretion of Guardair, of product or components. In no event shall Guardair be responsible for special, consequential or incidental damages arising out of a claim for defective product or failure of warranty. All labor and material costs of repair or replacement under this warranty shall be the responsibility of Guardair. Shipping costs to and from the purchaser associated with repair or replacement under this warranty shall be the responsibility of Guardair for a period of one year from the date of sale, and shall be the responsibility of the purchaser thereafter.

This warranty applies to purchasers within and products used within the United States and Canada only.

To obtain service under this warranty, within 30 days of the discovery of the defect, the end-user purchaser must contact the dealer or distributor from whom the product was purchased, or contact Guardair at the address shown below. The purchaser must provide a reasonable opportunity for inspection and investigation of the claim, prior to any repairs or alteration to the product. Until the claim is resolved, the purchaser must discontinue use of the product if continued use creates or exacerbates problems associated with, or incidental to, the defect.

Guardair will determine whether to provide replacement parts, provide repair service or replace the product. Written approval from Guardair must be obtained before any warranty work is performed. Any repairs performed by persons other than Guardair or its authorized dealers or distributors will void this warranty.

QUESTIONS? Contact Guardair with any questions concerning application, operation, and performance of the Guardair Machine Vac NED, regardless of the original purchase date.
Congratulations, you have purchased a Guardair Machine Vac NED (MV-NED)! This lightweight, rugged 5.5 gallon pneumatic vacuum runs on standard shop compressed air and mounts on any vertical surface, thus saving floor space. Machine Vac NED has no electrical motor to burn out, generates no sparks, and has no power cords to trip over. Maintenance is low and it’s engineered for wet/dry applications with a liquid shutoff and canister drain. Emptying the polyethylene canister is quick and easy and the cartridge filter is simple to replace.

For Your Safety
Make sure all compressed air connections to the compressed air supply are secure and the air line is turned off at the nearest valve. Disconnect compressed air connections only after the compressed air supply has been turned off and the air line had been vented by opening the valve on the vacuum head. NEVER disconnect a pressurized compressed air line. Always wear eye and ear protection when operating air tools and related equipment.

Air Supply
Adequate compressed air supply is essential to the proper performance of the Machine Vac NED. Compressed air requirements include a 1/2" ID air line equipped with a 1/4" FNPT compatible connector capable of supplying a minimum of 21 cfm.

NOTE: These requirements are for compressed air volume, not pressure. The recommended operating pressure for Machine Vac NED is 80-120 psi, although the unit will operate at lower pressures with a corresponding reduction in performance.

Set-Up and Operation
Mount the mounting plate as close as practical to the work area and hang the vac unit on the plate. Make sure the vacuum head is securely attached, with the other end of the cable attached to an approved grounding location such as a metallic water pipe system, earthing electrode, or structural steel (if grounded). Always verify approved grounding locations. Always verify electrical bonds with a multimeter. Guardair sells high performance grounding cables, see REPLACEMENT PARTS for more information.

Emptying Collection Canister
To empty waste from the canister, turn the shut-off valve to off position, disconnect air line, remove unit from the mounting plate, and set on a flat surface. Unfasten latches, lift the vacuum head off the canister, and empty the debris. For liquids, loosen the drain valve, and drain into another container.

WARNING: Do not loosen latches and remove canister while unit is mounted on mounting plate.

Maintenance
Machine Vac NED is rugged and practically maintenance free, however the Cartridge Filter (MV2000F1) will need cleaning or replacement when dirty. Periodically check the Gasket (MV2000G) and replace if worn or damaged. The Exhaust Bag (MV2000EB) provides added filter protection and serves as a muffler. Clean and replace if ripped or damaged. These parts can be purchased directly from Guardair or from your Machine Vac NED distributor. See REPLACEMENT PARTS for a complete list. Check proper ground connection periodically, inspect for clean, metal to metal mating surfaces and verify bond with a multimeter. Machine Vac NED hangs on the mounting plate by two steel knobs (fig 1). Rubber bumpers (included) space the plate away from the mounting surface so that the steel knobs can reach thru and slide into the two slots (fig 2).

The rubber bumpers can be screwed onto the mounting plate to any desired location (fig 3). As seen in (fig 4), holes are usually in pairs, allowing fasteners to be placed close to a bumper. Though not necessary, this practice will keep the mounting plate flat.

The thickness of the mounting plate plus the bumper is 4 x 1⁄16”. Recommended fasteners include:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART#</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MV2000P</td>
<td>Mounting Plate</td>
</tr>
<tr>
<td>2</td>
<td>MV2000G</td>
<td>Gasket</td>
</tr>
<tr>
<td>3</td>
<td>MV2000F1</td>
<td>Cartridge Filter — Includes Washer (A) and Wingnut (B)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>— MV2000F2</td>
</tr>
<tr>
<td>4</td>
<td>MV2000EB</td>
<td>Exhaust Bag — Includes Hose Clamp (C)</td>
</tr>
<tr>
<td></td>
<td>- 21004040ED</td>
<td>&quot;X&quot; x 20&quot; Static Conductive Air Supply Hose</td>
</tr>
<tr>
<td></td>
<td>- 21004260ED</td>
<td>1/2&quot; x 12&quot; Static Conductive Exhaust Hose</td>
</tr>
<tr>
<td></td>
<td>- N6731</td>
<td>Aluminum Center Rail</td>
</tr>
<tr>
<td></td>
<td>- 7480320</td>
<td>1/2&quot; Grounding Clamp—Assembly</td>
</tr>
<tr>
<td></td>
<td>- 7480403</td>
<td>3/4&quot; Grounding Clamp—Assembly</td>
</tr>
</tbody>
</table>

**TECHNICAL SPECS**
- VACUUM FLOW: 73 CFM
- VACUUM PERFORMANCE: 77% EFFICIENT @ 0.8 MICRONS
- AIR SUPPLY HOSE: 25’ 1/4” ID, LENGTH: 20’
- CAPACITY: WET: 4 GALLONS
- DRY: 3.5 GALLONS
- TOTAL WEIGHT: 16 LB
- AIR PRESSURE: 80-120 PSI
- AIR CONSUMPTION: 21 CFM
- FILTERATION: 77% EFFICIENT OD 0.8 MICRONS
- INLET: 3/4” FNPT
- VACUUM UNIT: STATIC CONDUCTIVE
- MOUNTING PLATE: STEEL
- VACUUM UNIT: 5.5 GALLONS
- MOUNTING PLATE: STEEL 2100A01NED
- MOUNTING PLATE: STEEL 2100A02NED
- MOUNTING PLATE: STEEL 14VA240 20’ Grounding Clamp Assembly
- MOUNTING PLATE: STEEL 14VA120 10’ Grounding Clamp Assembly
- N6731 Aluminum Center Rail
- 21004040ED "X" x 20" Static Conductive Air Supply Hose
- 21004260ED 1/2" x 12" Static Conductive Exhaust Hose
- N6731 Aluminum Center Rail
- 7480320 1/2" Grounding Clamp-Assembly
- 7480403 3/4" Grounding Clamp-Assembly

**ITEM DESCRIPTION**
- 1 MV2000P Mounting Plate
- 2 MV2000G Gasket
- 3 MV2000F1 Cartridge Filter — Includes Washer (A) and Wingnut (B)
- 4 MV2000EB Exhaust Bag — Includes Hose Clamp (C)