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# ***IDP Series Vibration Isolation Kit***

*INSTRUCTION MANUAL*

Part No. 699904401

Rev. B

July 2009

# ***IDP Series Vibration Isolation Kit***

# Warranty

Products manufactured by Seller are warranted against defects in materials and workmanship for twelve (12) months from date of shipment thereof to Customer, and Seller's liability under valid warranty claims is limited, at the option of Seller, to repair, replacement, or refund an equitable portion of the purchase price of the Product. Items expendable in normal use are not covered by this warranty. All warranty replacement or repair of parts shall be limited to equipment malfunctions which, in the sole opinion of Seller, are due or traceable to defects in original materials or workmanship. All obligations of Seller under this warranty shall cease in the event of abuse, accident, alteration, misuse, or neglect of the equipment. In-warranty repaired or replaced parts are warranted only for the remaining unexpired portion of the original warranty period applicable to the repaired or replaced parts. After expiration of the applicable warranty period, Customer shall be charged at the then current prices for parts, labor, and transportation.

When products are used with toxic chemicals, or in an atmosphere that is dangerous to the health of humans, or is environmentally unsafe, it will be the responsibility of the Customer to have the product cleaned by an independent agency skilled and approved in handling and cleaning contaminated materials before the product will be accepted by Varian, Inc. for repair and/or replacement.

Reasonable care must be used to avoid hazards. Seller expressly disclaims responsibility for loss or damage caused by use of its Products other than in accordance with proper operating procedures.

Except as stated herein, Seller makes no warranty, express or implied (either in fact or by operation of law), statutory or otherwise; and, except as stated herein, Seller shall have no liability under any warranty, express or implied (either in fact or by operation of law), statutory or otherwise. Statements made by any person, including representatives of Seller, which are inconsistent or in conflict with the terms of this warranty shall not be binding upon Seller unless reduced to writing and approved by an officer of Seller.

## Warranty Replacement and Adjustment

All claims under warranty must be made promptly after occurrence of circumstances giving rise thereto, and must be received within the applicable warranty period by Seller or its authorized representative. Such claims should include the Product serial number, the date of shipment, and a full description of the circumstances giving rise to the claim. Before any Products are returned for repair and/or adjustment, written authorization from Seller or its authorized representative for the return and instructions as to how and where these Products should be returned must be obtained. Any Product returned to Seller for examination shall be prepaid via the means of transportation indicated as acceptable by Seller. Seller reserves the right to reject any warranty claim not promptly reported and any warranty claim on any item that has been altered or has been returned by non-acceptable means of transportation. When any Product is returned for examination and inspection, or for any other reason, Customer shall be responsible for all damage resulting from improper packing or handling, and for loss in transit, notwithstanding any defect or non-conformity in the Product. In all cases, Seller has the sole responsibility for determining the cause and nature of failure, and Seller's determination with regard thereto shall be final.

If it is found that Seller's Product has been returned without cause and is still serviceable, Customer will be notified and the Product returned at its expense; in addition, a charge for testing and examination may be made on Products so returned. 3/1/00

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# Preface

## Documentation Conventions

This manual uses the following documentation conventions:

**WARNING**



*Warnings indicate a particular procedure or practice, which if not followed correctly, could lead to serious injury.*

**CAUTION**



*Cautions indicate a particular procedure or practice, which if not followed, could cause damage to the equipment.*

**NOTE**



*Notes contain important information.*

Before operating or servicing equipment, read and thoroughly understand all operation/maintenance manuals provided by Vacuum Technologies. Be aware of the hazards associated with this equipment, know how to recognize potentially hazardous conditions, and how to avoid them. Read carefully and strictly observe all cautions and warnings. The consequences of unskilled, improper, or careless operation of the equipment can be serious.

In addition, consult local, state, and national agencies regarding specific requirements and regulations. Address any safety, operation, and/or maintenance questions to your nearest Vacuum Technologies office.

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# IDP Series Vibration Isolation Kit

Varian's vibration reduction kit for IDP series scroll pumps significantly reduces vibration levels in all three directions as transmitted to the surface on which a pump sits.

**Table 1-1 IDP Series Vibration Isolation Kit, P/N: IDP3VIBISOKIT, IDP2VIBISOKIT**

Part Name	Qty
Anti-vibratory mount	4
Rubber pad	4
Locknut w/ toothed washer M6	4

## Installation

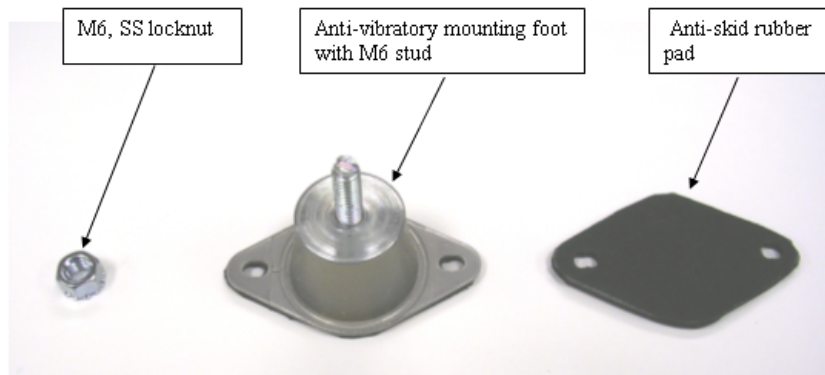


*To ensure proper operation, and to prevent damage, the kit must be installed and operated only as specified.*

To install:

1. Peel off the protective paper to expose the adhesive layer on the rubber pad, and stick it to the metal bottom of the mount.
2. Position the mount with the round surface against the pump base, such that the stud faces up through the base slot while the rubber faces the ground.
3. Tighten the M6 lock nut using a 10 mm wrench.

If the mount has a tendency to rotate, hold the top of the stud with a screwdriver while tightening the locknut.



**Figure 1-1 IDP Series Vibration Isolation Kit: Components**

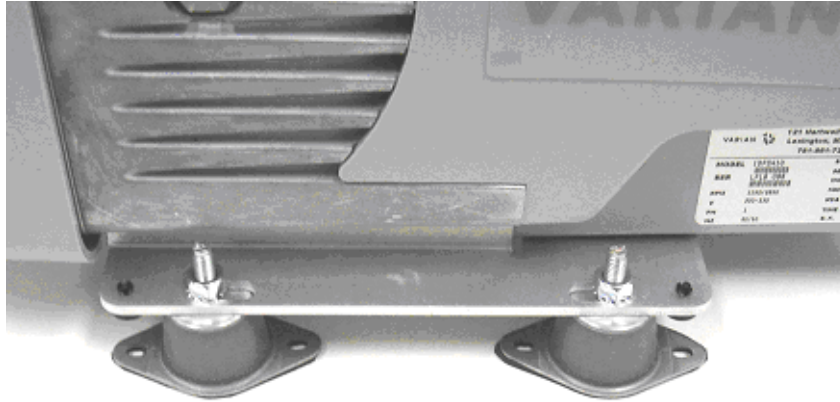
## IDP Series Vibration Isolation Kit

The two holes in the mount's flange can also be used to attach the mount to a surface with additional screws (not included in this kit).



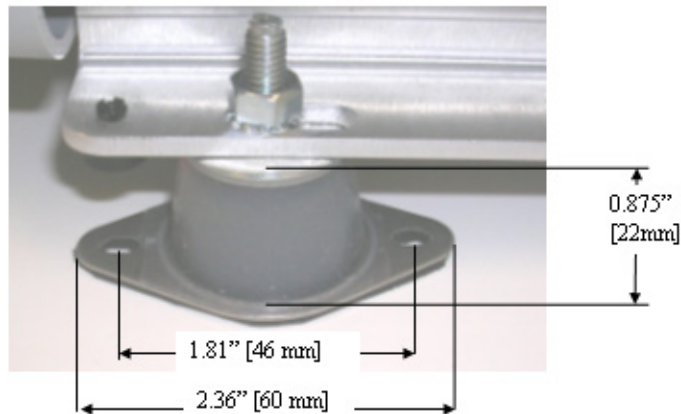
*Anti-vibratory mounts will increase pump height by 0.875" (22 mm).*

Figure 1-2 shows the kit installed.



**Figure 1-2 :IDP Series Vibration Isolation Kit Installed**

Figure 1-3 shows the kit dimensions.



**Figure 1-3 :Dimensions of IDP Series Anti-Vibratory, Non-skid Mount**

## Performance

Typical vibration reduction for IDP series, transmitted to a surface the pump sits on, is 45% on average for all three directions.





## IMPORTANT Instructions for returning products

Dear Customer,

Please follow these instructions whenever one of our products needs to be returned:

1. Complete the *Request for Return* form on our website ([www.varianinc.com](http://www.varianinc.com)) and send it to Varian (see below), taking particular care to identify all products that have pumped or been exposed to any toxic or hazardous materials.
2. After evaluating the information, Varian will provide you with a Return Authorization (RA) number via email or fax, as requested.

**Note:** Depending on the type of return, a Purchase Order may be required at the time the Request for Return is submitted. We will quote any necessary services (evaluation, repair, special cleaning, e.g.).

3. **Important steps for the shipment of returning product:**
  - Remove all accessories from the core product (e.g. inlet screens, vent valves).
  - Prior to shipment, drain any oils or other liquids, purge or flush all gasses, and wipe off any excess residue.
  - If ordering an Advance Exchange product, **use the packaging from the Advance Exchange to return the defective product.**
  - Seal the product in a plastic bag, and package the product carefully to avoid damage in transit. You are responsible for loss or damage in transit.
  - Varian, Inc. is not responsible for returning customer provided packaging or containers.
  - Clearly label package with the RA number.** Using the shipping label provided ensures the proper address and RA number are on the package. Packages shipped to Varian without an RA clearly written on the outside cannot be accepted and will be returned.
4. Return only products for which the RA was issued.
5. **Product being returned under an RA must be received within 15 business days.**
6. **Ship to the location specified on the printable label, which will be sent, along with the RA number, as soon as we have received all of the required information.** Customer is responsible for freight charges on returning product.
7. Return shipments must comply with all applicable **Shipping Regulations** (IATA, DOT, etc.) and carrier requirements.

Return the completed request for return form to your nearest location:

**North America:**

FAX: 1-781-860-9252  
Toll Free: 800-8VARIAN  
(800-882-7426)

[vtl.ra@varianinc.com](mailto:vtl.ra@varianinc.com)

**Europe:**

FAX: 00 39-011-9979125  
Fax Free: 00 800 345 345 00  
Toll Free: 00 800 234 234 00

[vtt.ra@varianinc.com](mailto:vtt.ra@varianinc.com)

**Pacific Rim:**

Please visit our website for individual office information.

<http://www.varianinc.com/vacuum>

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Italy  
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Fax: (39) 011 997 9 350

### Customer Support and Service:

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Tel: 1 (800) 882-7426 (toll-free)  
vtl.technical.support@varianinc.com

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### Worldwide Web Site, Catalog and On-line Orders:

www.varianinc.com

Representatives in most countries



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