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Safety Notices

CAUTION

A CAUTION notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a CAUTION notice until the indicated conditions are fully understood and met.

WARNING

A WARNING notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood and met.
Oil Mist Eliminator KF25
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1

Instructions for Use

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  Specification  9
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Original Instructions
**General Description**

It is assembled at the outlet of rotary pumps and the main purpose is to purify the exhaust gases from oil mists.

The use is advised for pumps which have to work for a long time at intake pressures exceeding 10 mbar, or with the ballasting tap open.

In the event that the exhaust gases also contain condensable vapours, to avoid their return into the pump it is necessary to mount a condensate separator between the exhaust port and the filter.

The oil mist filter is provided with a relief valve to protect the pump from overloads caused by excessive resistance on the exhaust line.

In case of saturation of the filtering element, it is possible to simply remove and replace it.
Technical Specification

Specification

| Table 1 |
|-----------------|-----------------|
| Part number     | 949-9395        |
| Weight          | 140 g           |
| Pneurop fitting | KF 25           |
| Material        | Nylon 30VF      |

Replacement Parts:

Cartridge (⌀ 25,4): P/N 949-9394

Use:

Fits on outlet port of oil bath rotary pump with a maximum displacement of 30 m³/h.

Required for installation:

- one centering ring DN 25 with gasket: CK25AB
- one clamping collar DN 25: KQ25AWP

Before installation

- Remove flap valve (if any) from pump outlet port
- Find the end through which the white cartridge is visible and mount this end on the pump.
1  Instructions for Use

Technical Specification

Maintenance:

Excessive mist means that the cartridge is saturated and must be replaced. The same is true in the case of oil spraying out: this also indicates saturation of the cartridge, which must be replaced.

Disassembly (see drawing):

Remove assembly screws A;

Disassemble:

- Upper casing B
- Spring C
- Valve D
- Cartridge E
- O-ring F.

Clean with a dry cloth and degrease with a water soap solution and rinse with clean water.
Reassembly

Install a new cartridge in the lower casing (B), pressing gently to be sure it is firmly seated.

Install valve D with polished side toward cartridge, center spring C over valve D, fit gasket F in its groove, and cover entire assembly with the second casing B.

Tighten the two casings 8, using assembly screws A.

After changing the cartridge several times, it may be necessary to replace the gasket OR 3212 as well as the centering ring gasket.

Figure 1  Exhaust flange of the rotary pump
Disposal

*Meaning of the "WEEE" logo found in labels*

The following symbol is applied in accordance with the EC WEEE (Waste Electrical and Electronic Equipment) Directive.

This symbol *(valid only in countries of the European Community)* indicates that the product it applies to must NOT be disposed of together with ordinary domestic or industrial waste but must be sent to a differentiated waste collection system.

The end user is therefore invited to contact the supplier of the device, whether the Parent Company or a retailer, to initiate the collection and disposal process after checking the contractual terms and conditions of sale.
Dear Customer,

Thank you for purchasing an Agilent vacuum product. At Agilent Vacuum Products Division we make every effort to ensure that you will be satisfied with the product and/or service you have purchased.

As part of our Continuous Improvement effort, we ask that you report to us any problem you may have had with the purchase or operation of our products. On the back side you find a Corrective Action request form that you may fill out in the first part and return to us.

This form is intended to supplement normal lines of communications and to resolve problems that existing systems are not addressing in an adequate or timely manner.

Upon receipt of your Corrective Action Request we will determine the Root Cause of the problem and take the necessary actions to eliminate it. You will be contacted by one of our employees who will review the problem with you and update you, with the second part of the same form, on our actions.

Your business is very important to us. Please, take the time and let us know how we can improve.

Sincerely,

Giampaolo LEVI
Vice President and General Manager
Agilent Vacuum Products Division

Note: Fax or mail the Customer Request for Action (see backside page) to Agilent Vacuum Products Division (Torino) – Quality Assurance or to your nearest Agilent representative for onward transmission to the same address.
CUSTOMER REQUEST FOR CORRECTIVE / PREVENTIVE / IMPROVEMENT ACTION

TO: AGILENT VACUUM PRODUCTS DIVISION TORINO – QUALITY ASSURANCE

FAX N°: XXXX-011-9979350

ADDRESS: AGILENT TECHNOLOGIES ITALIA S.p.A. – Vacuum Products Division –
Via F.II Valian, 54 – 10040 Leini (TO) – Italy

E-MAIL: vpd-qualityassurance_pdi-ext@agilent.com

<table>
<thead>
<tr>
<th>NAME</th>
<th>COMPANY</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

ADDRESS:

TEL. N°: __________________ FAX N°: __________________

E-MAIL: __________________

PROBLEM / SUGGESTION:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

REFERENCE INFORMATION (model n°, serial n°, ordering information, time to failure after installation, etc.):

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

DATE __________________

CORRECTIVE ACTION PLAN / ACTUATION (by AGILENT VPD) LOG N° __________________

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

XXX = Code for dialing Italy from your country (es. 01139 from USA; 00139 from Japan, etc.)
Dear Customer:

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

1) Complete the attached Request for Return form and send it to Agilent Technologies (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, Agilent Technologies 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, eg).

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, please use the packaging from the Advance Exchange to return the defective product.
   - Seal the product in a plastic bag, and package product carefully to avoid damage in transit. You are responsible for loss or damage in transit.
   - Agilent Technologies is not responsible for returning customer provided packaging or containers.
   - **Clearly label package with RA number.** Using the shipping label provided will ensure the proper address and RA number are on the package. Packages shipped to Agilent without a 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 a 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:

<table>
<thead>
<tr>
<th>EUROPE:</th>
<th>NORTH AMERICA:</th>
<th>PACIFIC RIM:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax: 00 39 011 9979 330</td>
<td>Fax: 1 781 860 9252</td>
<td>please visit our website for individual office information</td>
</tr>
<tr>
<td>Fax Free: 00 800 345 345 00</td>
<td>Toll Free: 800 882 7426, Option 3</td>
<td><a href="http://www.agilent.com">http://www.agilent.com</a></td>
</tr>
<tr>
<td>Toll Free: 00 800 234 234 00</td>
<td><a href="mailto:vpl-ra@agilent.com">vpl-ra@agilent.com</a></td>
<td><a href="mailto:vpt-customercare@agilent.com">vpt-customercare@agilent.com</a></td>
</tr>
</tbody>
</table>

Pg 1/3
1) CUSTOMER INFORMATION

<table>
<thead>
<tr>
<th>Company Name:</th>
<th>Contact Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tel:</td>
<td>Email:</td>
</tr>
<tr>
<td>Fax:</td>
<td>Customer Ship To:</td>
</tr>
</tbody>
</table>

Europe only: VAT reg. Number: USA/Canada only: [ ] Taxable [ ] Non-taxable

2) PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Agilent P/N</th>
<th>Agilent S/N</th>
<th>Original Purchasing Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

3) TYPE OF RETURN (Choose one from each row) and supply Purchase Order if requesting a billable service

3A. [ ] Non-Billable [ ] Billable New PO # (hard copy must be submitted with this form):

3B. [ ] Exchange [ ] Repair [ ] Upgrade [ ] Consignment/Demo [ ] Calibration [ ] Evaluation [ ] Return for Credit

4) HEALTH and SAFETY CERTIFICATION

AGILENT TECHNOLOGIES CANNOT ACCEPT ANY PRODUCTS CONTAMINATED WITH BIOLOGICAL OR EXPLOSIVE HAZARDS, RADIOACTIVE MATERIAL, OR MERCURY AT ITS FACILITY.
Call Agilent Technologies to discuss alternatives if this requirement presents a problem.

The equipment listed above (check one):

[ ] HAS NOT pumped or been exposed to any toxic or hazardous materials. OR
[ ] HAS pumped or been exposed to the following toxic or hazardous materials. If this box is checked, the following information must also be filled out. Check boxes for all materials to which product(s) pumped or was exposed:

[ ] Toxic [ ] Corrosive [ ] Reactive [ ] Flammable [ ] Explosive [ ] Biological [ ] Radioactive

List all toxic/hazardous materials. Include product name, chemical name, and chemical symbol or formula:

[ ]

NOTE: If a product is received at Agilent which is contaminated with a toxic or hazardous material that was not disclosed, the customer will be held responsible for all costs incurred to ensure the safe handling of the product, and is liable for any harm or injury to Agilent employees as well as to any third party occurring as a result of exposure to toxic or hazardous materials present in the product.

Print Name: ____________________________ Authorized Signature: _________________ Date: ______________

5) FAILURE INFORMATION:

Failure Mode (REQUIRED FIELD. See next page for suggestions of failure terms):

Detailed Description of Malfunction: (Please provide the error message)

Application (system and model):

[ ]

I understand and agree to the terms of Section 6, Page 3/3.

Print Name: ____________________________ Authorized Signature: _________________ Date: ______________
Vacuum Products Division
Request for Return Form
(Health and Safety Certification)

Please use these Failure Mode to describe the concern about the product on Page 2.

<table>
<thead>
<tr>
<th>TURBO PUMPS and TURBO CONTROLLERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPARENT DEFECT/MALFUNCTION</td>
</tr>
<tr>
<td>- Does not start</td>
</tr>
<tr>
<td>- Does not spin freely</td>
</tr>
<tr>
<td>- Does not reach full speed</td>
</tr>
<tr>
<td>- Mechanical Contact</td>
</tr>
<tr>
<td>- Cooling defective</td>
</tr>
<tr>
<td>OPERATING TIME:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ION PUMPS/CONTROLLERS</th>
<th>VALVES/COMPONENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Bad feedthrough</td>
<td>- Main seal leak</td>
</tr>
<tr>
<td>- Vacuum leak</td>
<td>- Solenoid failure</td>
</tr>
<tr>
<td>- Error code on display</td>
<td>- Damaged flange</td>
</tr>
<tr>
<td></td>
<td>- Damaged sealing area</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LEAK DETECTORS</th>
<th>INSTRUMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Cannot calibrate</td>
<td>- Gauge tube not working</td>
</tr>
<tr>
<td>- Vacuum system unstable</td>
<td>- Communication failure</td>
</tr>
<tr>
<td>- Failed to start</td>
<td>- Error code on display</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SCROLL AND ROTARY VANE PUMPS</th>
<th>DIFFUSION PUMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Pump doesn’t start</td>
<td>- Heater failure</td>
</tr>
<tr>
<td>- Doesn’t reach vacuum</td>
<td>- Doesn’t reach vacuum</td>
</tr>
<tr>
<td>- Pump seized</td>
<td>- Vacuum leak</td>
</tr>
</tbody>
</table>

Section 6) ADDITIONAL TERMS

Please read the terms and conditions below as they apply to all returns and are in addition to the Agilent Technologies Vacuum Product Division – Products and Services Terms of Sale.

- Customer is responsible for the freight charges for the returning product. Return shipments must comply with all applicable Shipping Regulations (IATA, DOT, etc.) and carrier requirements.
- Customers receiving an Advance Exchange product agree to return the defective, rebuildable part to Agilent Technologies within 15 business days. Failure to do so, or returning a non-rebuildable part (crashed), will result in an invoice for the non-returned/non-rebuildable part.
- Returns for credit toward the purchase of new or refurbished Products are subject to prior Agilent approval and may incur a restocking fee. Please reference the original purchase order number.
- Units returned for evaluation will be evaluated, and a quote for repair will be issued. If you choose to have the unit repaired, the cost of the evaluation will be deducted from the final repair pricing. A Purchase Order for the final repair price should be issued within 3 weeks of quotation date. Units without a Purchase Order for repair will be returned to the customer, and the evaluation fee will be invoiced.
- A Special Cleaning fee will apply to all exposed products per Section 4 of this document.
- If requesting a calibration service, units must be functionally capable of being calibrated.