NEW 8 l/s VACION® PUMP
and MAGNET PACKAGE

The reliable 8 l/s Vaclon pump is now available housed with magnet in one compact package that virtually eliminates any stray magnetic field. The new magnet and housing together weigh 9 lbs less than the old magnet alone.

palo alto vacuum division
611 hansen way
palo alto, california 94303

varian spa/via varian
10040 leini/torino, italy

varian GmbH, D-7000
stuttgart-vaehingen
breitwiesenstrasse 9/west germany
Features

VIRTUALLY NO STRAY MAGNETIC FIELD

The stray magnetic field is less than 1/2 gauss 3 inches from the pump flange.

LIGHTWEIGHT, COMPACT PACKAGE

The patented new magnet and housing together weigh approximately 9 lbs — half the weight of the previous design.

LONG LIFE

The 8 l/s pump works long, hard hours, pumping the equivalent of over 40,000 hours at $1 \times 10^{-6}$ Torr before end of life is reached. The pump’s long life is enhanced by —

- a high-voltage insulator with extremely reliable performance — the result of a 15-year rigorous design and testing program;
- cathodes that are staked at the centers to prevent their shorting to the anode and causing premature failure due to warping;
- a ConFlat® flange, the industry standard for reliability, used for the vacuum connection.

BROAD APPLICABILITY

Low stray magnetic field and light weight make this new combination ideal for instrumentation applications as well as tube processing.

LOW PRESSURE OPERATION

Element design stays "in strike" below $1 \times 10^{-8}$ Torr.

INEXPENSIVE

Lowest cost per unit speed of any appendage pump.
CONTROL UNIT

The compact half-rack Control Unit delivers the power to start and operate the pump.
SPECIFICATIONS

Pump Type: Diode
Speed: 8 l/s for nitrogen
Starting Pressure: $1 \times 10^{-2}$ Torr
Pressure Range: $10^{-4}$ to $10^{-11}$ Torr
Gauging: Accurate pressure indication from $10^{-4}$ to $10^{-8}$ Torr
Connection: 2½” OD Conflat® Flange. Mating flange
Bakeability: Pump 400°C Magnet Package 300°C
Material: Pump body: 304 stainless steel Magnet: Ferrite
Main Applications: General research, scanning electron microscopy, mass spectrometer pumping, tube processing

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>SHIPPING WT.</th>
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<tbody>
<tr>
<td></td>
<td>lb</td>
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<tr>
<td>Standard 8 l/s Vaclon Pump with (2 demountable magnet support brackets provided for use with old style magnet, 911-0001).</td>
<td>911-5005</td>
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<tr>
<td>Pump magnet package</td>
<td>911-0030</td>
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<tr>
<td>Control Unit</td>
<td>921-0062</td>
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<tr>
<td>Rack mount chassis kit, includes 1/2 blank panel and screws</td>
<td>921-0063</td>
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<tr>
<td>Control Unit. No log scale. Cabinet mounted. (Order cable assembly separately.)</td>
<td>921-0015</td>
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<tr>
<td>Multiple pump control kit, operates up to 10 pumps. (Order cable assembly separately.)</td>
<td>921-0014</td>
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<tr>
<td>Bakeable High Voltage Cable, Teflon-insulated stainless steel spiral-wrapped – 12’ long</td>
<td>924-0736</td>
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<tr>
<td>Polyinsulated High Voltage Cable – 10’ long</td>
<td>924-0750</td>
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Note: For a Vaclon Pump with the same low magnetic field, but much higher throughput, see the Hi-Q Pump Data Sheet, VAC 2440

HOW TO ORDER

Address orders or requests for additional information to the nearest Varian District Office or to Varian Associates, Palo Alto Vacuum Division, 611 Hansen Way, Palo Alto, California 94303. European orders should also be addressed to the nearest Varian District Office, to Varian GmbH, D-7000, Stuttgart-Vaihingen, Breitwiesenstrasse 9, West Germany, or to Varian SpA, Via Varian, 10040 Leini, Torino, Italy. Order all products by name and model number.