Product-Information

TURBOVAC 600 C ClassicLine
Turbomolecular Pumps with Mechanical Rotor Suspension without Compound Stage
Cat. No.: 800150V0015

Product-Description

Typical Applications

• Load locks and transfer chambers
• Flat panel displays
• Optical coating
• R & D

Technical Features

• Compact design
• Operation in any orientation
• Oil-free pump for generating clean high- and ultrahigh-vacuum conditions

Advantages to the User

• Installation in any orientation
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- Highly reliable due to hybrid ceramic ball bearings
- Life time lubrication and maintenance-free
- Convection cooling • Option: Purge gas facility

Recommended Fore Vacuum Pumps

11276
TRIVAC D 25 B, 3-ph, 230/400 V 50 Hz; 250/440 60 Hz

11286
TRIVAC D 40 B, 3-ph, 230/400 V 50 Hz; 250/440 60 Hz

13302
SCROLLVAC SC 30 D, 1-ph, 200/230 V AC 50/60 Hz

13304
SCROLLVAC SC 30 D, 1-ph, 100/115 V AC 50/60 Hz

133102
SCROLLVAC SC 30 D, 3-ph, 380/415 V AC 50; 200/230 V, 460 V 60 Hz

DN 160 ISO-K/DN 40 KF, water-cooled
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<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression ratio He</td>
<td></td>
<td>2E4</td>
</tr>
<tr>
<td>Compression ratio N2</td>
<td></td>
<td>&gt; 1E9</td>
</tr>
<tr>
<td>Fore vacuum connection</td>
<td>DN</td>
<td>40 KF</td>
</tr>
<tr>
<td>High vacuum connection flange</td>
<td>DN</td>
<td>160 ISO-K</td>
</tr>
<tr>
<td>Max continuous inlet pressure, water cooled</td>
<td>mbar</td>
<td>1E-2</td>
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<tr>
<td>Max. fore vacuum pressure for N2</td>
<td>mbar</td>
<td>1E-1</td>
</tr>
<tr>
<td>Max. gas throughput Ar</td>
<td>mbar x l x s-1</td>
<td>&lt; 4</td>
</tr>
<tr>
<td>Max. gas throughput N2</td>
<td>mbar x l x s-1</td>
<td>&lt; 4</td>
</tr>
<tr>
<td>Power consumption at ultimate pressure</td>
<td>VA</td>
<td>480</td>
</tr>
<tr>
<td>Pumping speed H2 according to PNEUROP</td>
<td>l/s</td>
<td>570</td>
</tr>
<tr>
<td>Pumping speed He according to PNEUROP</td>
<td>l/s</td>
<td>600</td>
</tr>
<tr>
<td>Pumping speed N2 according to PNEUROP</td>
<td>l/s</td>
<td>560</td>
</tr>
<tr>
<td>Purge / Vent port</td>
<td>DN</td>
<td>10 KF</td>
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<tr>
<td>Recommended fore vacuum pump</td>
<td></td>
<td>TRIVAC D 25 B / TRIVAC D 40 B</td>
</tr>
<tr>
<td>Run-up time to 95%</td>
<td>min</td>
<td>4</td>
</tr>
<tr>
<td>Speed</td>
<td>1/min</td>
<td>36000</td>
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<tr>
<td>Weight</td>
<td>kg</td>
<td>17</td>
</tr>
</tbody>
</table>
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Saugvermögenskurve
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Maßwerte-Tabelle

Technische Zeichnung

Top view

* drawn offset by 45°