Plug-and-Play Vacuum Units

Vacuum units with liquid ring vacuum pump, separator and heat exchanger for quick and easy installation.
Preinstalled components in minimum space

Liquid ring vacuum pump
- Low-noise and tried-and-tested liquid ring vacuum pumps of the series V and VZ

Air discharge opening
- Direct discharge of exhaust air into the environment

Separator
- For separating the gas-liquid mixture from the process

Process fittings
- Suction connection
- Ventilation valve or sensor connection
- Inlet of heat exchanger cooling water
- Inlet of vacuum pump operating water

Heat exchanger (optional)
- For cooling of operating water
- Easy retrofitting or disassembly if required

Process fittings
- Outlet of heat exchanger cooling water
- Outlet of vacuum pump operating water

Quick installation and easy maintenance
All components, including vacuum pump, separator and heat exchanger, are already integrated in the UniVac vacuum unit. Time-consuming piping of individual parts from different suppliers is a thing of the past. Just install the UniVac vacuum unit, connect the process fittings and off you go – just plug-and-play. The heat exchanger can be replaced e.g. for maintenance without the need to disassemble any pipes. It could not be easier.

Intelligent and extremely compact design
UniVac vacuum compact units offer a lot of advantages:
- future option for retrofitting the heat exchanger
- exhaust process air can be discharged directly to the environment without any additional devices
- process reliability through integrated cavitation protection
- user-friendly due to low-noise operation
- minimum space is required

You have the choice between units with single-stage or double-stage vacuum pumps based on the tried-and-tested V and VZ series of Speck Pumpen.

Versions

<table>
<thead>
<tr>
<th>Type</th>
<th>Stages of the vacuum pump</th>
<th>( Q_{\text{max}} ) (50Hz) [ m^3/h ]</th>
<th>( p_{\text{min}} ) [mbar]</th>
<th>Material design</th>
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* on request

UniVac vacuum units are perfect for the following applications
- Plastics industry: Degasification and extrusion
- Pharma: Degasification, drying and distillation
- Food industry: Degasification, cooking processes

Speck Pumpen Vakuumtechnik GmbH
Regensburger Ring 6 – 8, 91154 Roth Germany
Phone: + 49 9171 809 0
Fax: + 49 9171 809 10
info@speck.de
www.speck.de

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