

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

Air discharge opening

Separator

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

Direct discharge of exhaust air into the environment

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

	Туре	Stages of the vacuum pump	Q _{max} (50Hz) [m ³ /h]	p _{min} [mbar]	Material design
	UniVac-10-1	1	10	33	Non-ferrous metal
	UniVac-30-1*	1	24		Cast iron
	UniVac-30-2	2	28		
	UniVac-50-1*	1	50		
	UniVac-50-2	2	49		
	UniVac-100-2	2	94		

^{*} on request

UniVac vacuum units are perfect for the following applications

Plastics industry: Degasification and extrusion
Pharma: Degasification, drying and destillation
Food industry: Degasification, cooking processes





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