

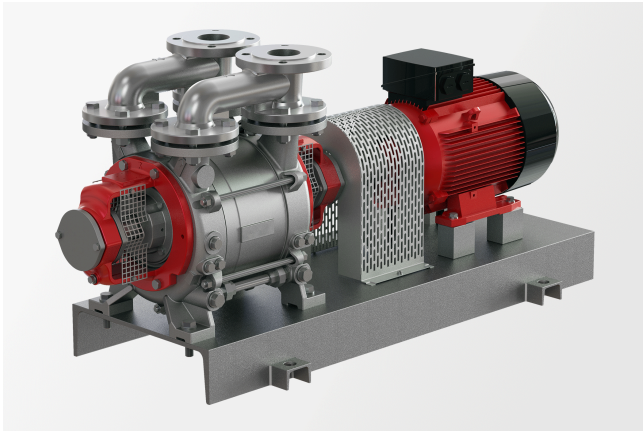
# Product data sheet

## Liquid ring vacuum pump

VU...1 series

Durable, tried-and-tested technology for a lower vacuum

Single-stage base plate pumps with mechanical seal



## Description

- » Liquid ring vacuum pump
- » Free-flying shaft
- » Single-acting mechanical seal, dual-acting mechanical seal
- » Single-stage
- » Valve flaps
- » Specially selected materials and seals for application-specific designs
- » Oil-free vacuum generation
- » Use of condensed process medium as the operating liquid
- » Liquid carry over at a constant vacuum

## Markets and applications

### Chemical and pharmaceutical industry

- » Filtration
- » Condensate drainage
- » Distillation
- » Evaporation
- » Degasification
- » Filling plants for paste media
- » Drying of loose bulk materials
- » Solvent recovery

### Plastics processing

- » Manufacturing of PET
- » Extruder degasification
- » Polystyrene moulded parts processing
- » Drying of plastic granulate
- » Decontamination in PET recycling systems

### Food and beverage industry

- » Degasification
- » Extraction
- » Aspiration
- » Sterilisers
- » Vacuum cutters
- » Beverage filling plants
- » Sous-vide cooking
- » Reverse osmosis systems

### Medical technology

- » Steam sterilisation systems

VU...1

**circutec**

## Get in touch with us!

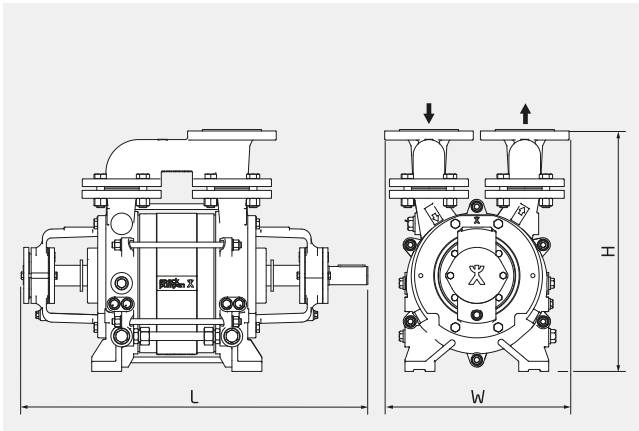
Speck Pumpen Vakuumtechnik GmbH  
Regensburger Ring 6-8  
91154 Roth  
Deutschland

**Make a non-binding enquiry**

[info@speck.de](mailto:info@speck.de)

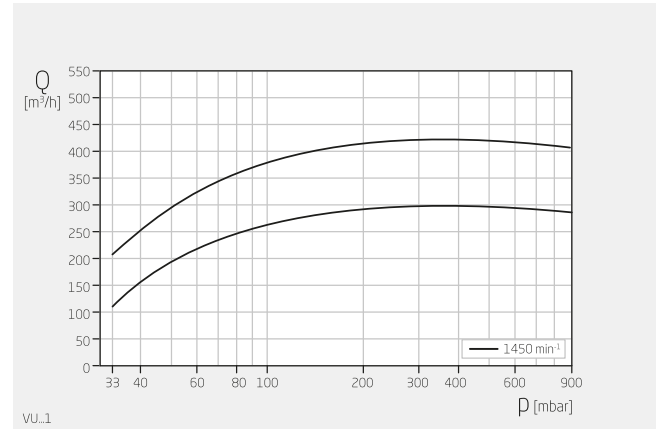
## Technical data

International system of units, alternating current 50 Hz



H	506 mm
W	385 mm
L	724-790 mm

Dimensions may vary depending on the design.

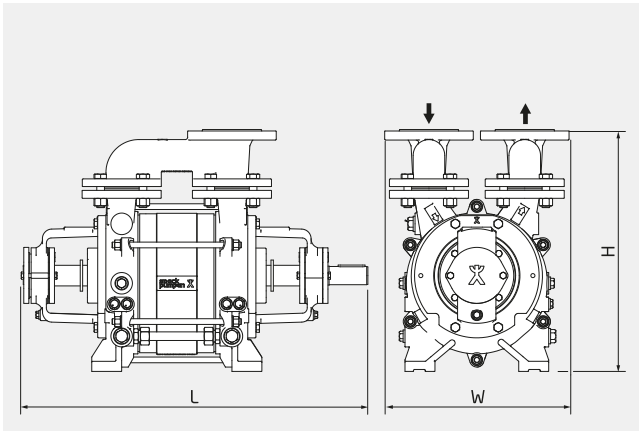


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing	Mechanical seal
Pump design	Free-flying shaft
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	33-800 mbar
Suction capacity	110.0-425.0 m³/h
Motor current type	3~
Nominal motor power	7.2 - 10.4 kW
Nominal motor speed	1450 rpm
Suction-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1¼"- DN 125
Pressure-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1¼"- DN 125
Material designs	Stainless steel Grey cast iron Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/2G II 1/2G II 1+H2/2G

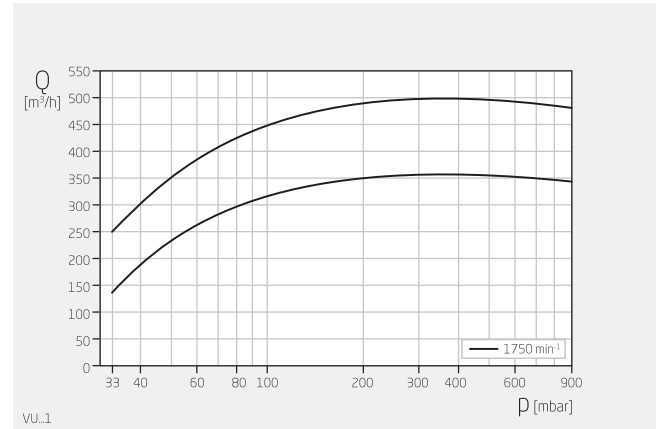
## Technical data

International system of units, alternating current 60 Hz



H	506 mm
W	385 mm
L	724-790 mm

Dimensions may vary depending on the design.

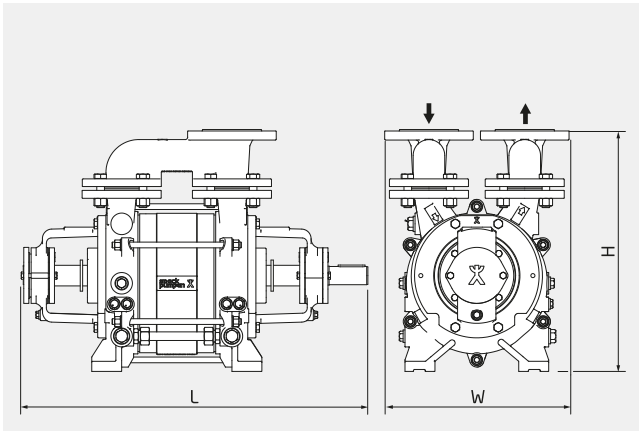


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing	Mechanical seal
Pump design	Free-flying shaft
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	33-800 mbar
Suction capacity	130.0-490.0 m³/h
Motor current type	3~
Nominal motor power	9.2 - 12.9 kW
Nominal motor speed	1750 rpm
Suction-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1¼"- DN 125
Pressure-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1¼"- DN 125
Material designs	Stainless steel Grey cast iron Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/2G II 1/2G II 1+H2/2G

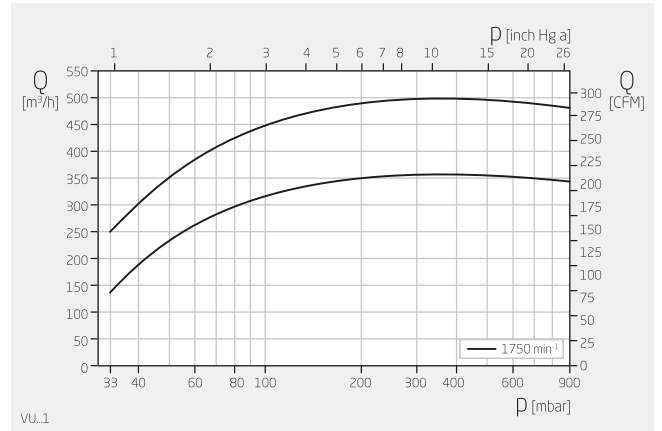
## Technical data

Anglo-American system of measurement, alternating current 60 Hz



H 19,92 inch  
 W 15,16 inch  
 L 28,50-31,10 inch

Dimensions may vary depending on the design.



Specifications apply for dry air at 68 °F at nominal speed and operating water at 59°F.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing	Mechanical seal
Pump design	Free-flying shaft
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	1.0-23.6 inHg
Suction capacity	76.5-288.4 CFM
Motor current type	3~
Nominal motor power	12.3-17.3 HP
Nominal motor speed	1750 rpm
Suction-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1¼"- DN 125
Pressure-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1¼"- DN 125
Material designs	Stainless steel Grey cast iron Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/2G II 1/2G II 1+H2/2G