

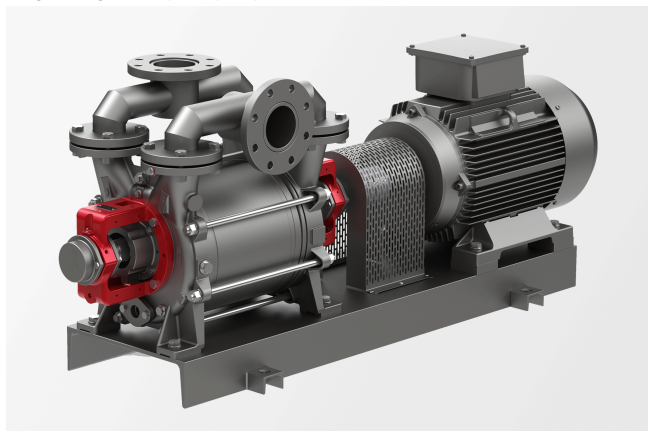
# Product data sheet

## Liquid ring vacuum pump

VU...0 series

Durable, tried-and-tested technology for low vacuums

Single-stage base plate pumps with mechanical seal



## Description

- » Liquid ring vacuum pump
- » Free-flying shaft
- » Single-acting mechanical seal, dual-acting mechanical seal
- » Developed for applications with operating points of over 200 mbar
- » Single-stage
- » Sizes 0020-0220 valveless, sizes 300-1600 with 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

## Get in touch with us!

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

### Make a non-binding enquiry

info@speck.de

## Markets and applications

### Chemical and pharmaceutical industry

- » Filtration
- » Condensate drainage

### Plastics processing

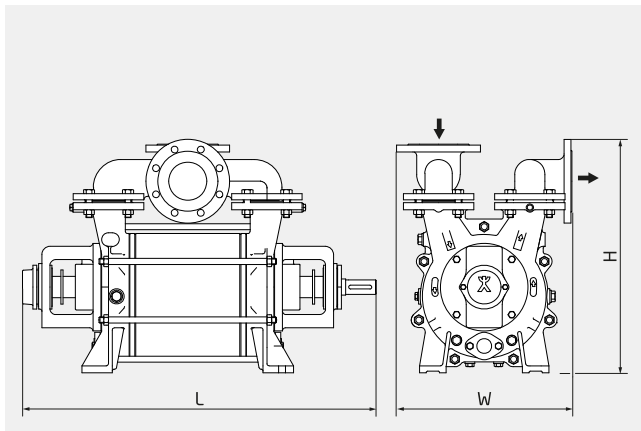
- » Manufacturing of PET

### Food and beverage industry

- » Degasification
- » Extraction

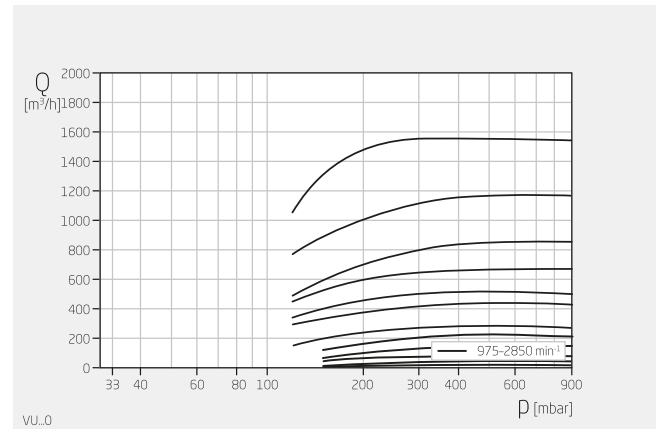
## Technical data

International system of units, alternating current 50 Hz



H	220-505 mm
W	180-385 mm
L	303-790 mm

Dimensions may vary depending on the design.

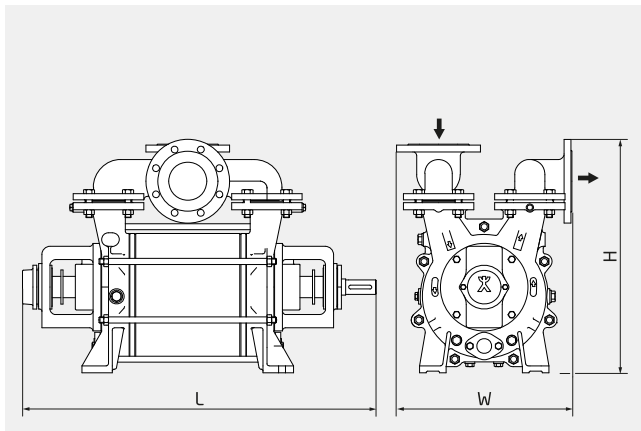


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

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.	120-800 mbar
Suction capacity	8.0-1552.0 m³/h
Motor current type	3~
Nominal motor power	0.8 - 28.4 kW
Nominal motor speed	975 rpm, 1450 rpm, 2800 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

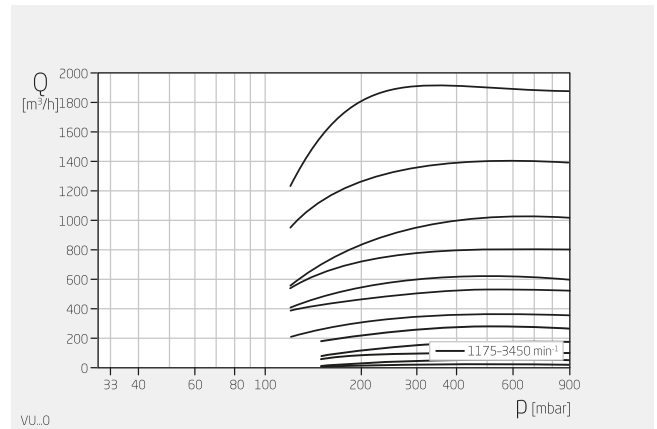
## Technical data

International system of units, alternating current 60 Hz



H	220-505 mm
W	180-385 mm
L	303-790 mm

Dimensions may vary depending on the design.

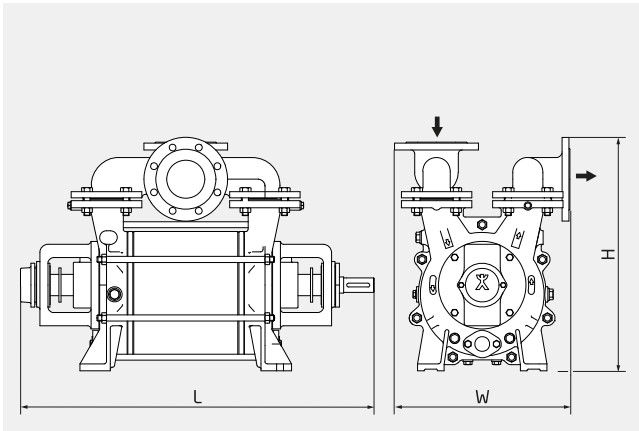


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

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.	120-800 mbar
Suction capacity	9.0-1900.0 m³/h
Motor current type	3~
Nominal motor power	1.1 - 38.5 kW
Nominal motor speed	1175 rpm, 1750 rpm, 3400 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

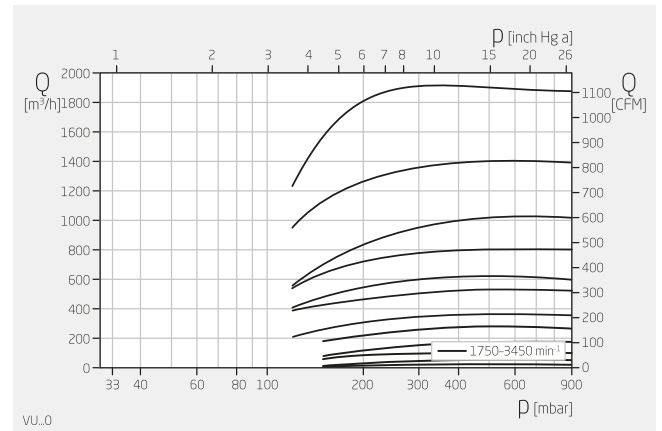


H 8,66-19,88 inch

W 7,09-15,16 inch

L 11,93-31,10 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.	3.5-23.6 inHg
Suction capacity	5.3-1118.3 CFM
Motor current type	3~
Nominal motor power	1.5-51.6 HP
Nominal motor speed	1175 rpm, 1750 rpm, 3400 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