

# Product data sheet

## Liquid ring vacuum pump

VG series

Valveless and low-maintenance

Single-stage close-coupled pumps with mechanical seal with reduced dead space



## Description

- » Liquid ring vacuum pump
- » Close-coupled pump, bracket pump available on request
- » Mechanical seal
- » Single-stage
- » Valveless
- » Reduced dead space
- » Threaded version and flange version (not all sizes)
- » 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

### Plastics processing

- » Manufacturing of PET (?)

### Food and beverage industry

- » Vacuum cutters
- » Aspiration
- » Milk collection vehicles

## Get in touch with us!

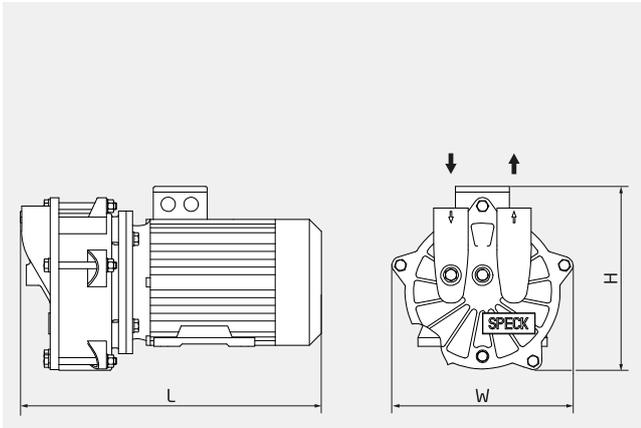
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### Make a non-binding enquiry

[sales@speckaustralia.com](mailto:sales@speckaustralia.com)

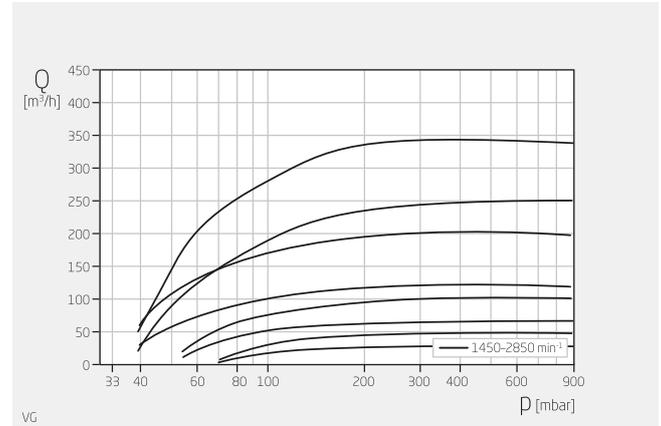
## Technical data

International system of units, alternating current 50 Hz



H	201-397 mm
W	150-365 mm
L	406-856 mm

Dimensions may vary depending on the design.

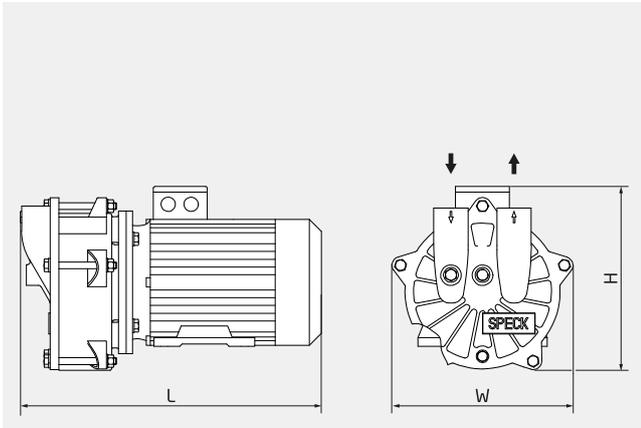


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	1
Shaft sealing	Mechanical seal
Pump design	Close-coupled pump Bracket pump available on request
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	40-800 mbar
Suction capacity	3.0-340.0 m³/h
Motor current type	3~
Type of motor	Asynchronous motor
Nominal motor power	1.1 - 5.5 kW
Nominal motor speed	1450 rpm, 2850 rpm
Suction-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1" - G 2½", DN 40 - DN 50
Pressure-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1" - G 2½", DN 40 - DN 50
Material designs	Grey cast iron Stainless steel Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/G

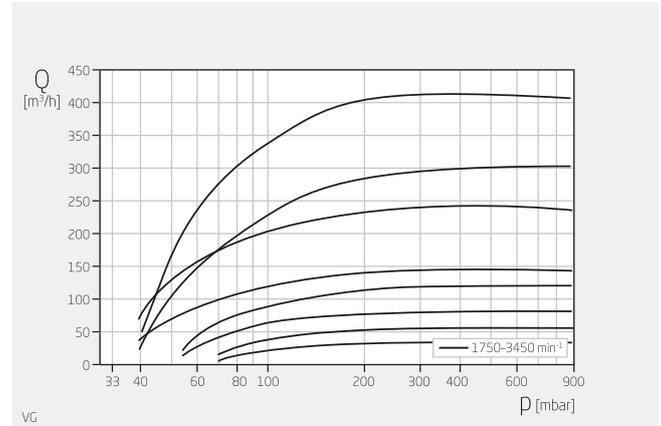
## Technical data

International system of units, alternating current 60 Hz



H	201-397 mm
W	150-365 mm
L	406-856 mm

Dimensions may vary depending on the design.

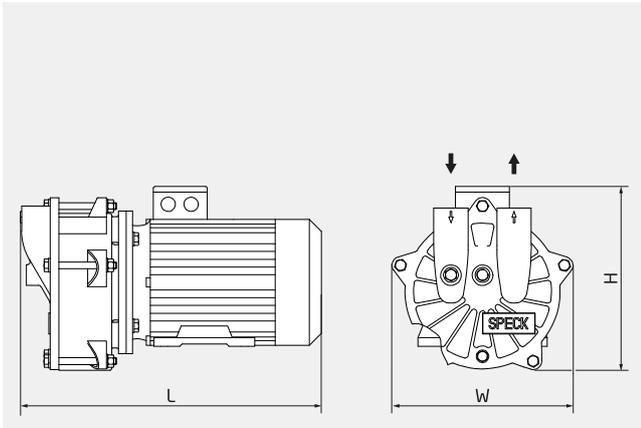


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	1
Shaft sealing	Mechanical seal
Pump design	Close-coupled pump Bracket pump available on request
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	40-800 mbar
Suction capacity	5.0-410.0 m³/h
Motor current type	3~
Type of motor	Asynchronous motor
Nominal motor power	1.5 - 8.2 kW
Nominal motor speed	1750 rpm, 3450 rpm
Suction-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1" - G 2½", DN 40 - DN 50
Pressure-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1" - G 2½", DN 40 - DN 50
Material designs	Grey cast iron Stainless steel Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/G

## Technical data

Anglo-American system of measurement, alternating current 60 Hz

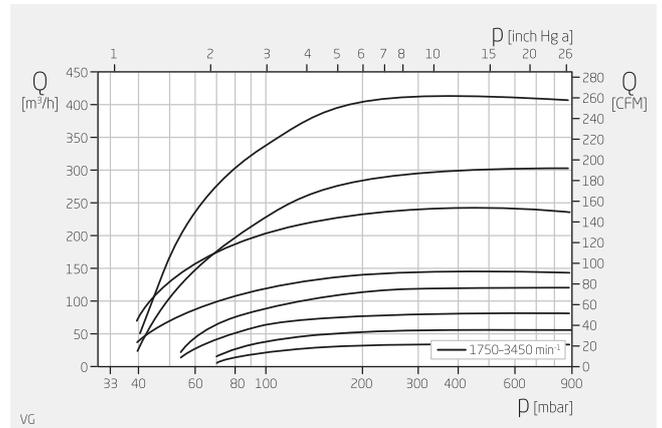


H 7,91–15,63 inch

W 5,91–14,37 inch

L 15,98–33,70 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	1
Shaft sealing	Mechanical seal
Pump design	Close-coupled pump Bracket pump available on request
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	1.2–23.6 inHg
Suction capacity	2.9–241.3 CFM
Motor current type	3~
Type of motor	Asynchronous motor
Nominal motor power	2.0–11.0 HP
Nominal motor speed	1750 rpm, 3450 rpm
Suction-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1" – G 2½", DN 40 – DN 50
Pressure-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1" – G 2½", DN 40 – DN 50
Material designs	Grey cast iron Stainless steel Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/G