

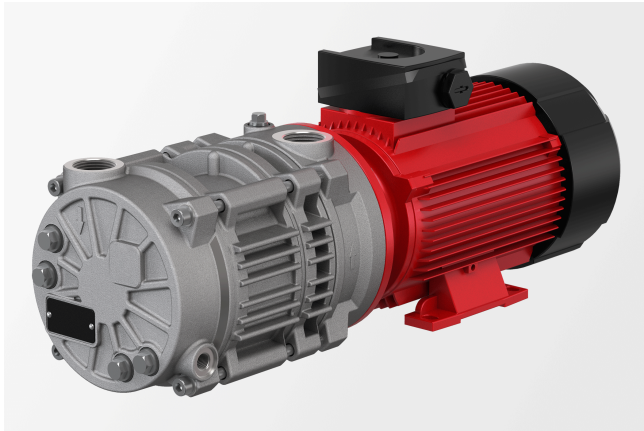
Product data sheet

Liquid ring vacuum pump

VZ series

Durable, quiet-running technology for a lower vacuum

Compact, two-stage close-coupled pumps with mechanical seal



Description

- » Liquid ring vacuum pump
- » Close-coupled pump
- » Mechanical seal
- » Mechanical seal
- » Two-stage
- » Valveless
- » Quiet-running
- » 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

Food and beverage industry

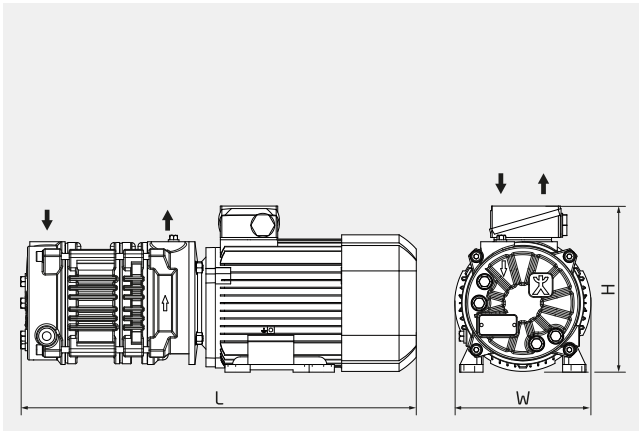
- » Sterilisers

Medical technology

- » Steam sterilisation systems
- » Lab autoclaves

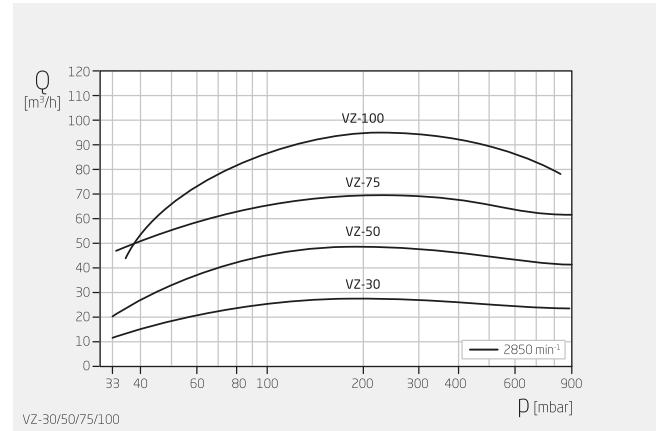
Technical data

International system of units, alternating current 50 Hz



H	202-260 mm
W	153-196 mm
L	481-571 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 Close-coupled pump

Typical media Dry and moist gases

Variable speed Frequency-converter-compatible motor on request

Suction pressure ext. 33-800 mbar

Suction capacity 12.0-95.0 m³/h

Motor current type 3~

Type of motor Asynchronous motor

Nominal motor power 2.2 - 3.0 kW

Nominal motor speed 2850 rpm

Suction-side connection design Threaded

Suction-side connection size G 1

Pressure-side connection design Threaded

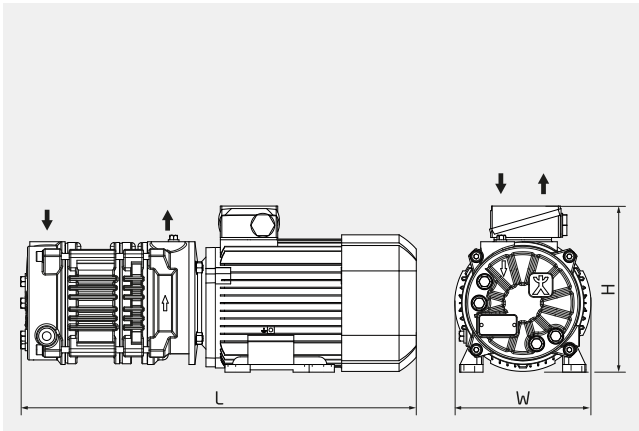
Pressure-side connection size G 1

Material designs Grey cast iron
Free of non-ferrous metals

Explosion protection None
II 3G, II 3D
II 2G, II 2D
II 2/2G

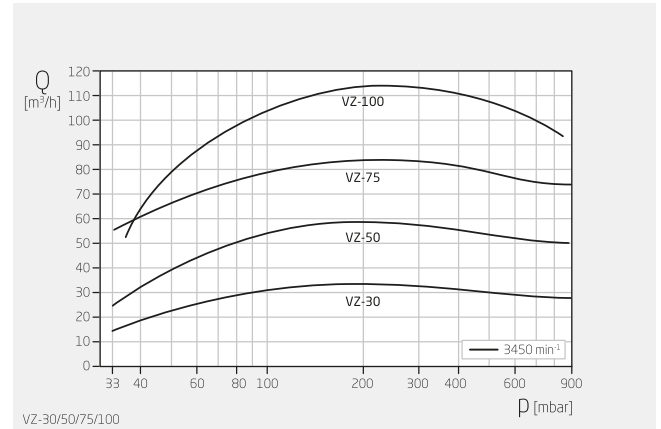
Technical data

International system of units, alternating current 60 Hz



H	202-260 mm
W	153-196 mm
L	481-571 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	Close-coupled pump
-------------	--------------------

Typical media	Dry and moist gases
---------------	---------------------

Variable speed	Frequency-converter-compatible motor on request
----------------	---

Suction pressure ext.	33-800 mbar
-----------------------	-------------

Suction capacity	15.0-110.0 m³/h
------------------	-----------------

Motor current type	3~
--------------------	----

Type of motor	Asynchronous motor
---------------	--------------------

Nominal motor power	3.0 - 4.0 kW
---------------------	--------------

Nominal motor speed	3450 rpm
---------------------	----------

Suction-side connection design	Threaded
--------------------------------	----------

Suction-side connection size	G 1
------------------------------	-----

Pressure-side connection design	Threaded
---------------------------------	----------

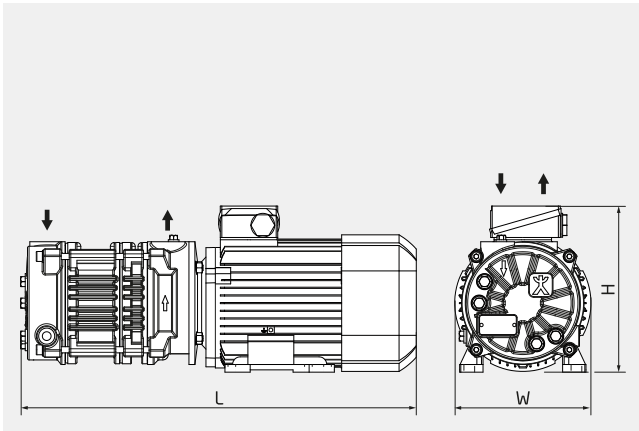
Pressure-side connection size	G 1
-------------------------------	-----

Material designs	Grey cast iron Free of non-ferrous metals
------------------	--

Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/2G
----------------------	---

Technical data

Anglo-American system of measurement, alternating current 60 Hz

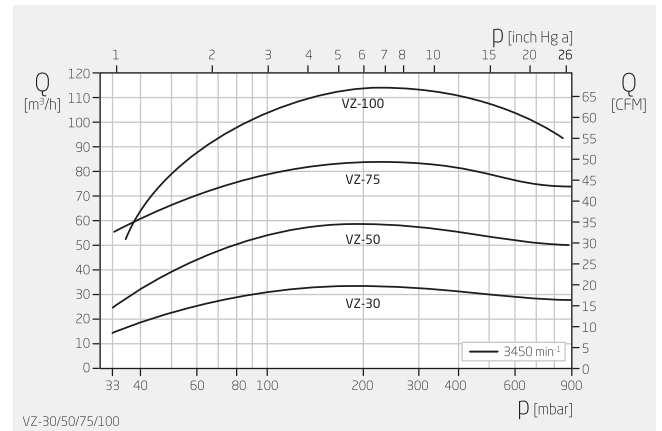


H 7,95-10,24 inch

W 6,02-7,72 inch

L 18,94-22,48 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 Close-coupled pump

Typical media Dry and moist gases

Variable speed Frequency-converter-compatible motor on request

Suction pressure ext. 1.0-23.6 inHg

Suction capacity 8.8-64.7 CFM

Motor current type 3~

Type of motor Asynchronous motor

Nominal motor power 4.1-5.4 HP

Nominal motor speed 3450 rpm

Suction-side connection design Threaded

Suction-side connection size G 1

Pressure-side connection design Threaded

Pressure-side connection size G 1

Material designs Grey cast iron
Free of non-ferrous metals

Explosion protection None
II 3G, II 3D
II 2G, II 2D
II 2/2G