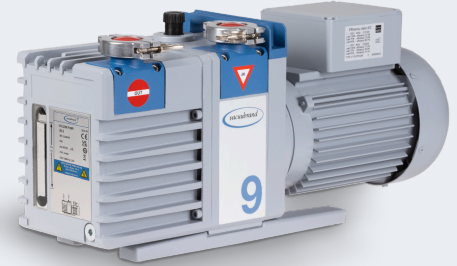


# Rotary vane pump RZ 9

[Link to the website](#)



## Product description

The RZ 9 is a two-stage powerful rotary vane pump for fast evacuation of vessels and at higher gas flow rates.

## Performance features

- very high flow rates even at vacuum levels approaching ultimate vacuum
- high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- vacuum-tight at switch-off; external anti-suckback valve not needed
- large oil volume: Long intervals between oil changes
- ease of maintenance due to telescopic design

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
RZ 9	230 V   50-60 Hz	CEE	20798140
RZ 9	230 V   50-60 Hz	CH, CN	20798141
RZ 9	230 V   50-60 Hz	UK, IN	20798142

## Items supplied

Pump oil filled and completely mounted, ready for use, with manual.

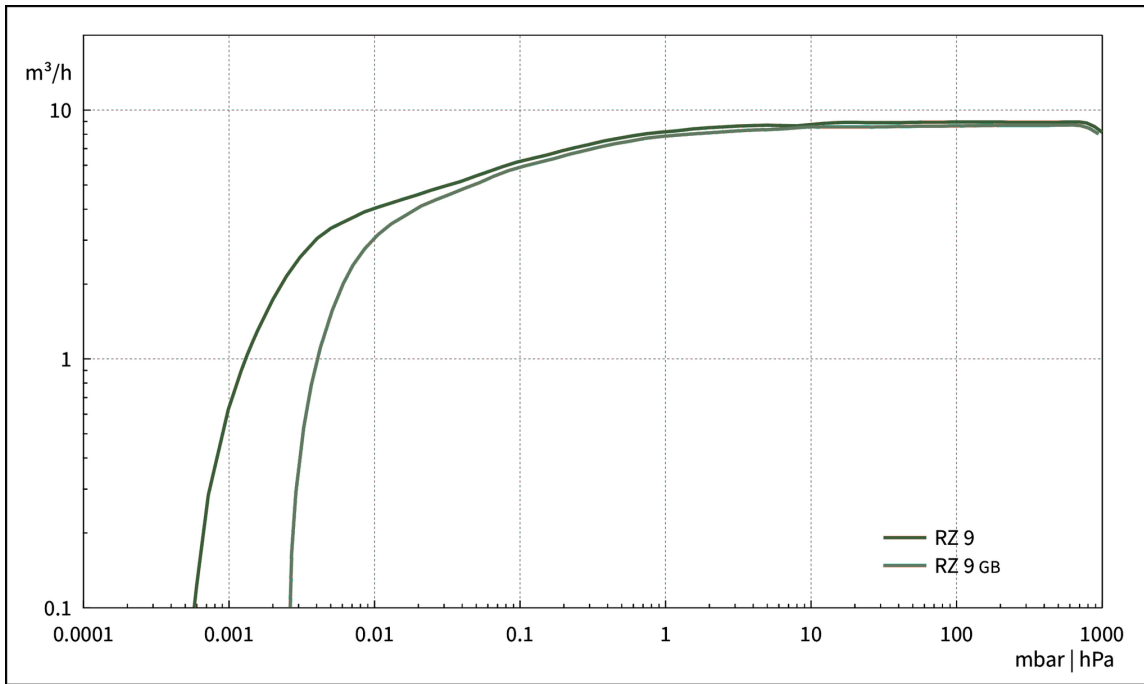
## Accessories

- Oil mist filter outlet side FO R 8/9/16 (20698017)
- Butterfly valve VS 25 (20665005)
- Clamping ring for small flange KF DN 20/25 (20660001)
- External centring ring for small flange KF DN 20/25 (20660196)
- Small flange with hose nozzle KF DN 25 / DN 10 mm (20662807)
- Metal vacuum tubing with small flanges KF DN 25 (20673337)
- Rubber vacuum tubing DN 10 mm (20686002)
- Maintenance kit RE 8 - RZ 16 (20649988)

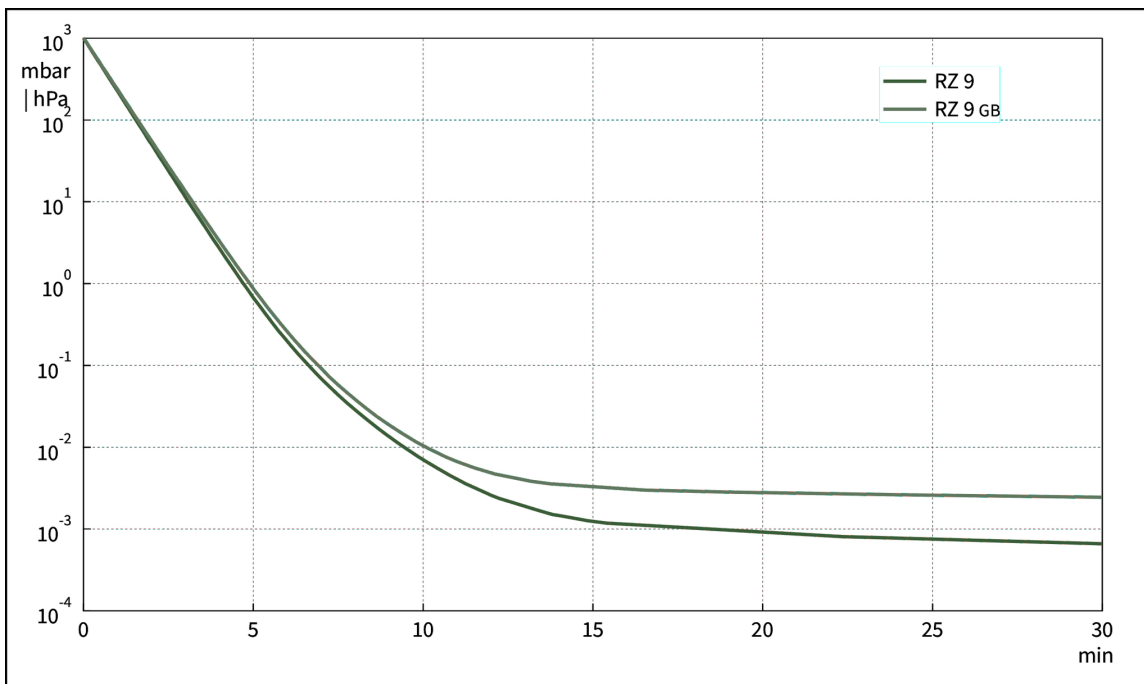
## Technical data

Max. pumping speed 50 Hz (m <sup>3</sup> /h)	8.9 m <sup>3</sup> /h
Max. pumping speed 60 Hz (cfm)	6.0 cfm
Ultimate vacuum	2 x 10 <sup>-3</sup> mbar / 1.5 x 10 <sup>-3</sup> torr
Ultimate vacuum with gas ballast	1 x 10 <sup>-2</sup> mbar / 0.75 x 10 <sup>-2</sup> torr
Ultimate partial vacuum without gas ballast	4 x 10 <sup>-4</sup> mbar / 3 x 10 <sup>-4</sup> torr
Water vapor tolerance	40 mbar / 30 torr
Number of stages	2
Permissible ambient temperature range (operation)	15 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. outlet pressure (abs.)	1.1 bar
Oil capacity min./max.	0.45 / 0.85 l
Inlet connection	small flange KF DN 25
Outlet connection	small flange KF DN 25
Rated motor power	0.30 kW
Rated speed 50/60 Hz	1500/1800 min <sup>-1</sup>
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	503 mm x 156 mm x 240 mm
Weight	24.8 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU-PURE®)	52 dBA
NRTL certification	No

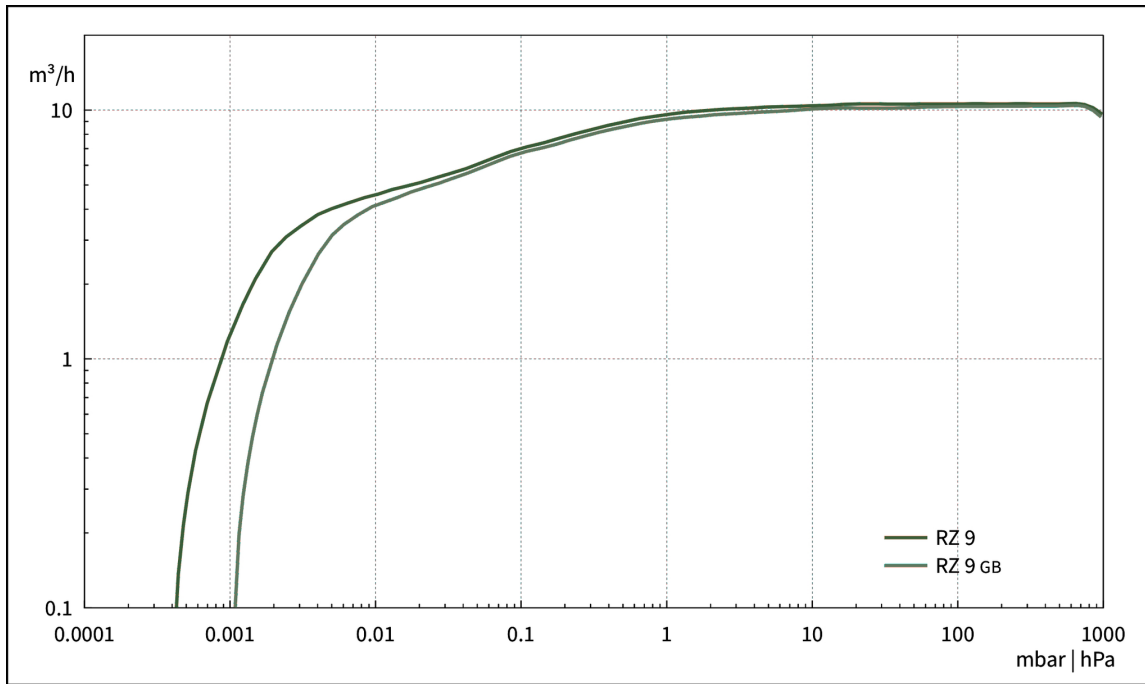
Pumping speed graph at 50 Hz



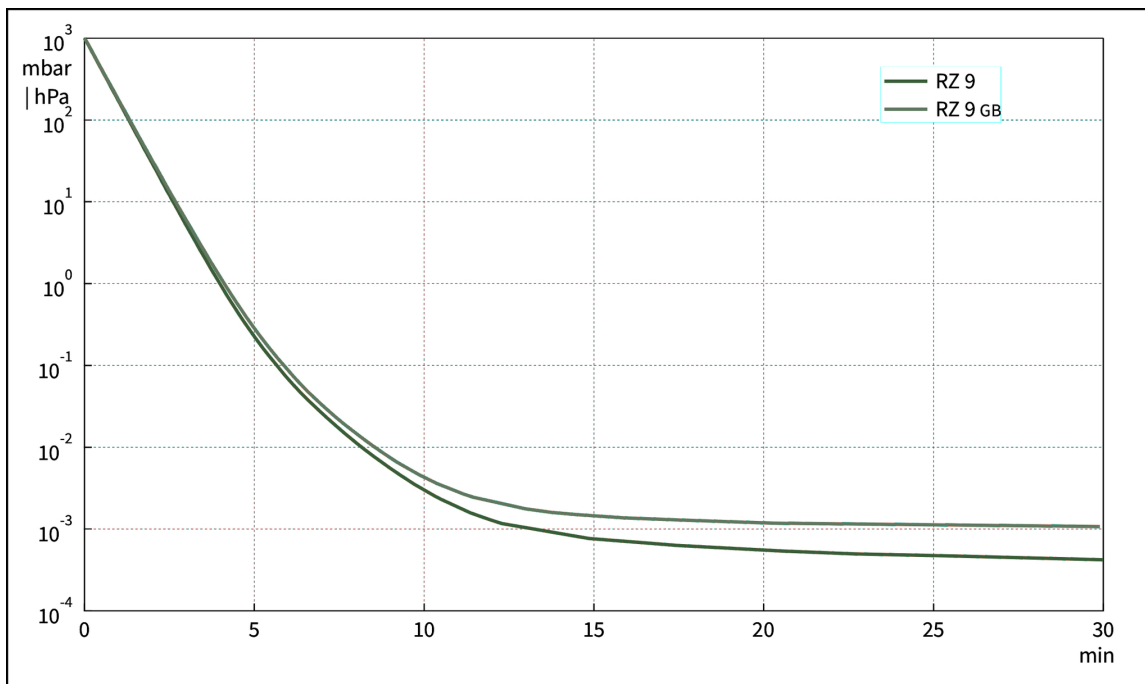
Pump down graph at 50 Hz (100 l volume)



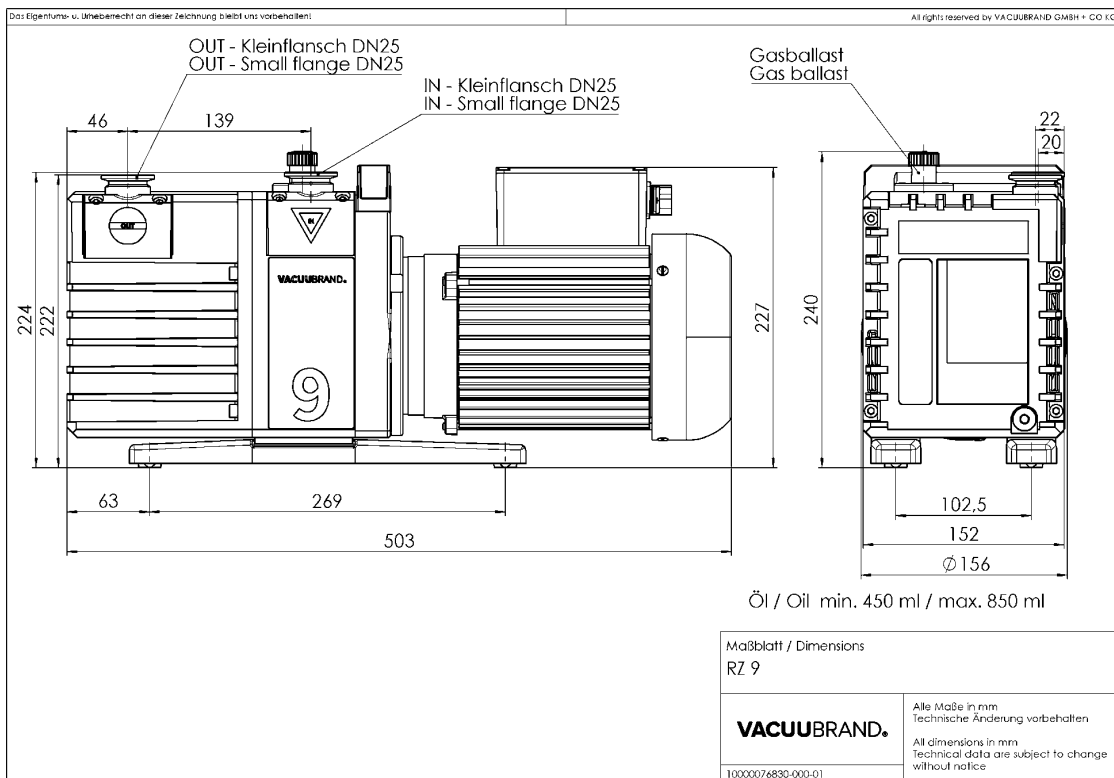
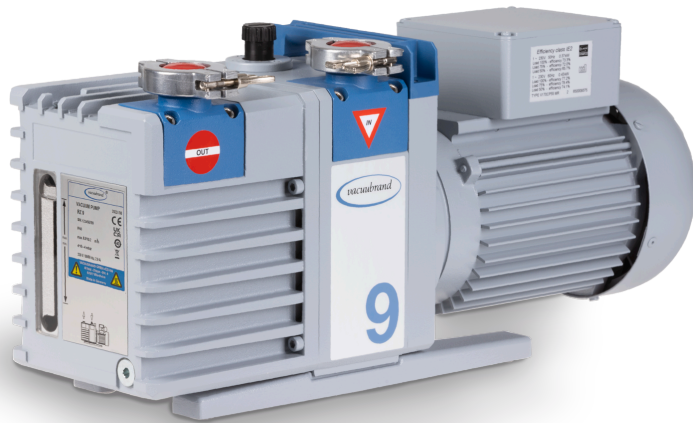
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (100 l volume)



## Dimension sheet



VACUUBRAND GMBH + CO KG  
P.O. Box 1664  
97877 Wertheim  
T +49 9342 808 5550  
F +49 9342 808 5555

info@vacuubrand.com  
www.vacuubrand.com

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BRAND (Shanghai) Trading Co., Ltd.  
Shanghai, China

T +86 21 6422 2318  
info@brand.com.cn  
china.brand.com.cn

BRAND Scientific Equipment Pvt. Ltd.  
Mumbai, India

T +91 22 42957790  
customersupport@brand.co.in  
www.brand.co.in

BRANDTECH® Scientific, Inc.  
Essex, CT. United States of America

T +1 860 767 2562  
info@brandtech.com  
www.brandtech.com