

# Rotary vane pump RZ 6

[Link to the website](#)



## Product description

These powerful rotary vane pumps feature a particularly compact design and low weight for pumps of this capacity. They are the ideal solution for a wide range of laboratory and process applications that require low ultimate vacuum at medium to increased gas flow rate. Various packages including pump, oil mist filter, etc. are available. Drehschieberpumpen werden für ein Prozessvakuum von wenigen mbar bis  $10^{-3}$  mbar eingesetzt. Typische Anwendungen sind Entgasen, Gefriertrocknung, Feinvakuumdestillation und Trockenschränke.

## Performance features

- 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 6	230 V   50-60 Hz	CEE	20798130
RZ 6	230 V   50-60 Hz	CH	20798131
RZ 6	230 V   50-60 Hz	UK, IN	20798132
RZ 6	220-230 V   50-60 Hz 100-115 V   50-60 Hz	US	20798136
RZ 6	230 V   50-60 Hz	CEE/CN	20798138

## Items supplied

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

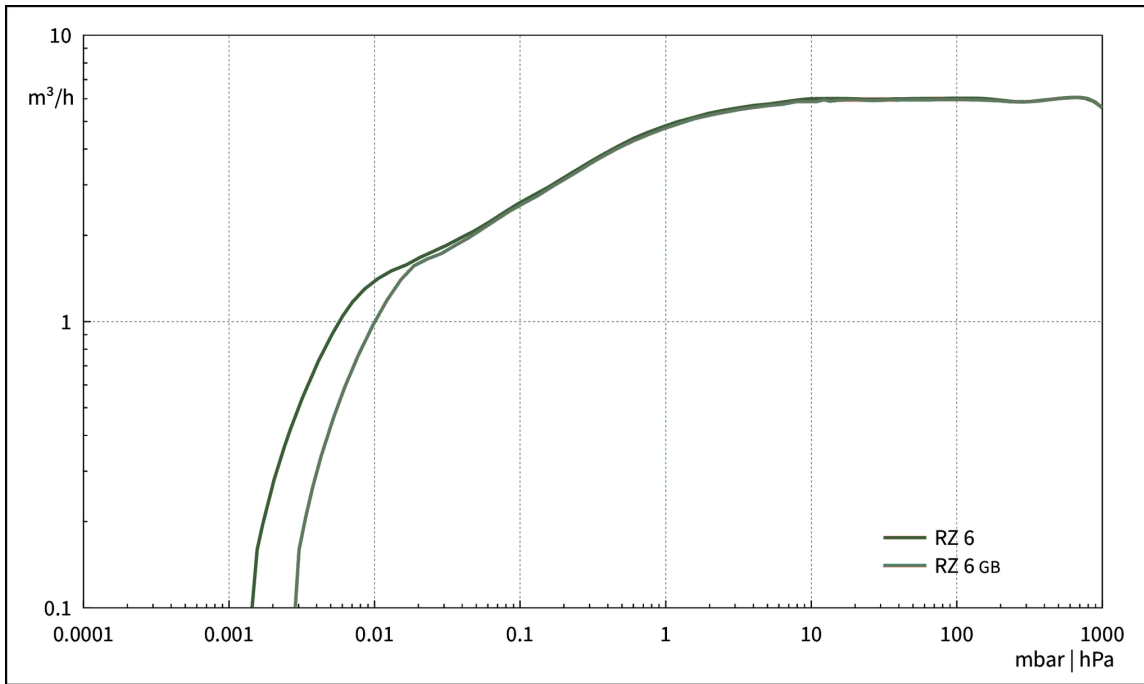
## Accessories

- Metal vacuum tubing with small flanges KF DN 16 (20673336)
- Separator inlet side AK for RE/RZ 5/6/2.5 (20698006)
- Oil mist filter outlet side FO R 2/2.5/5/6 (20698003)
- Package fine vacuum control VACUU-SELECT + VACUU-VIEW extended, KF DN 16 (20700100)
- Package fine vacuum control VACUU-SELECT + VSP 3000, KF DN 16 (20700101)
- Vacuum tubing transparent DN 8 mm (20686061)
- Small flange with hose nozzle KF DN 16 / DN 10 mm (20662806)
- Maintenance kit RE 2.5 - RZ 6 (20648977)
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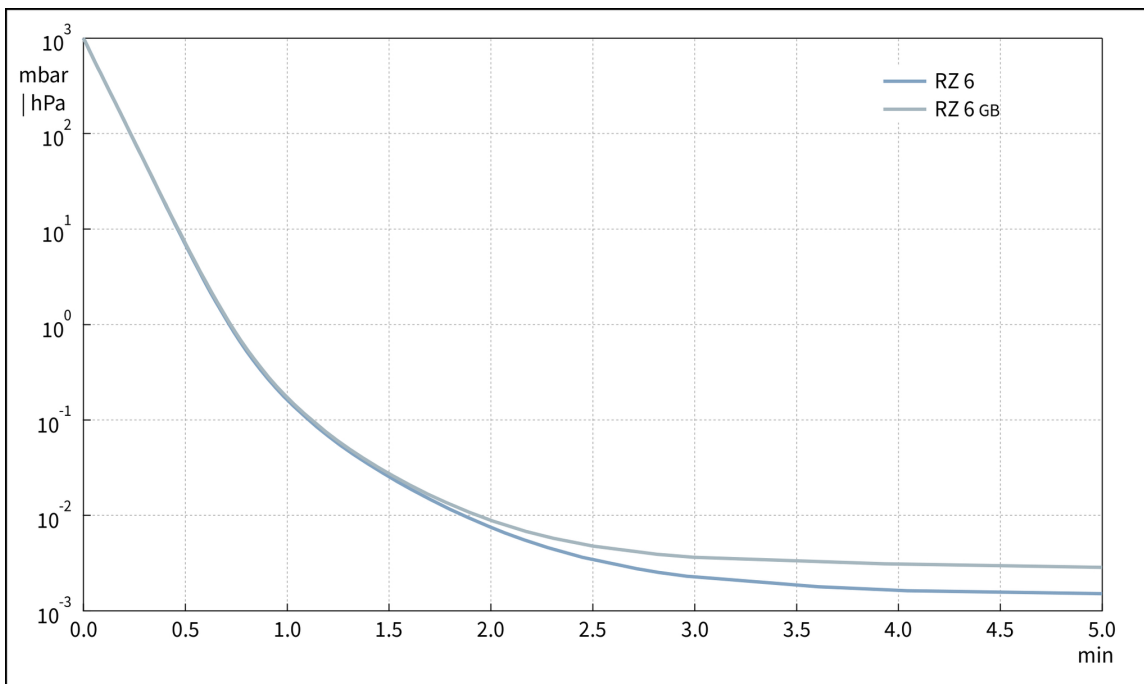
## Technical data

Max. pumping speed 50 Hz (m <sup>3</sup> /h)	5.7 m <sup>3</sup> /h
Max. pumping speed 60 Hz (cfm)	4.0 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)	12 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. outlet pressure (abs.)	1.1 bar
Oil capacity min./max.	0.34 / 0.73 l
Inlet connection	small flange KF DN 16
Outlet connection	Hose nozzle DN 8-10 mm
Rated motor power	0.18 kW
Rated speed 50/60 Hz	1500/1800 min <sup>-1</sup>
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	420 mm x 156 mm x 240 mm
Weight	17.0 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU-PURE®)	50 dBA
NRTL certification	No

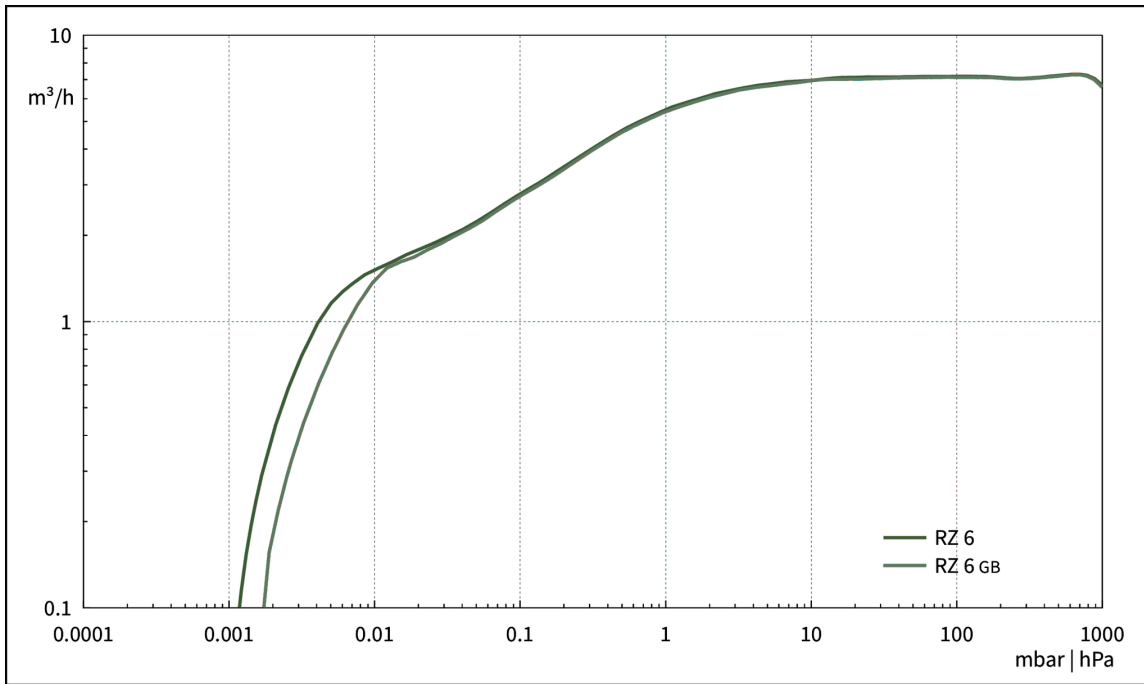
Pumping speed graph at 50 Hz



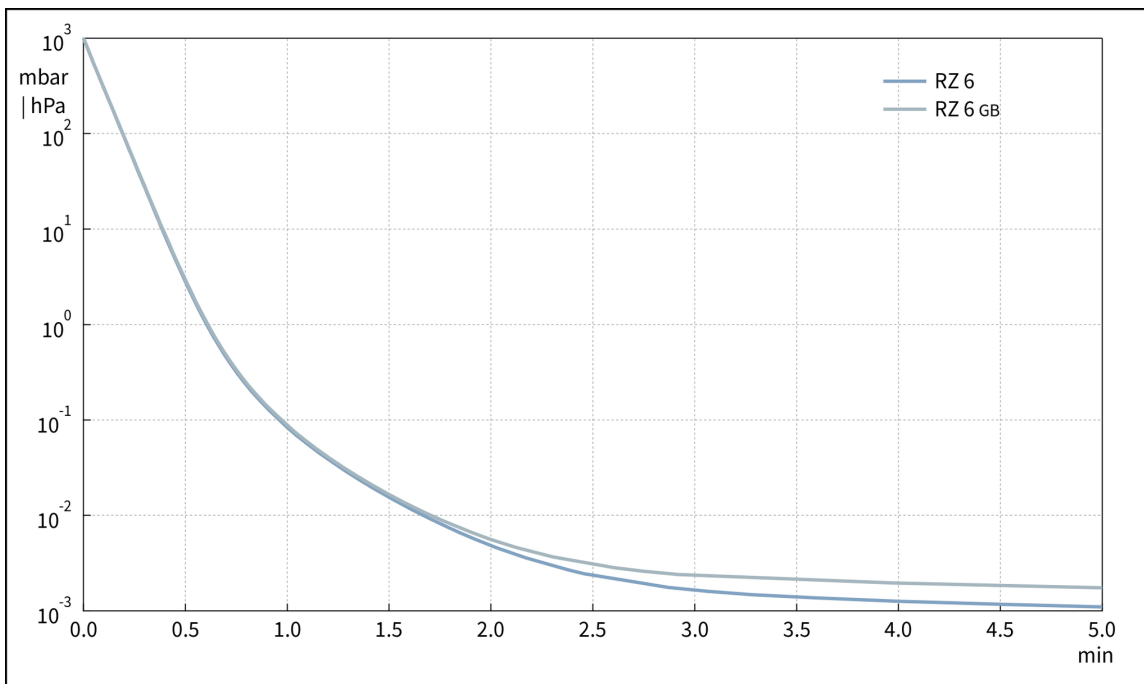
Pump down graph at 50 Hz (10 l volume)



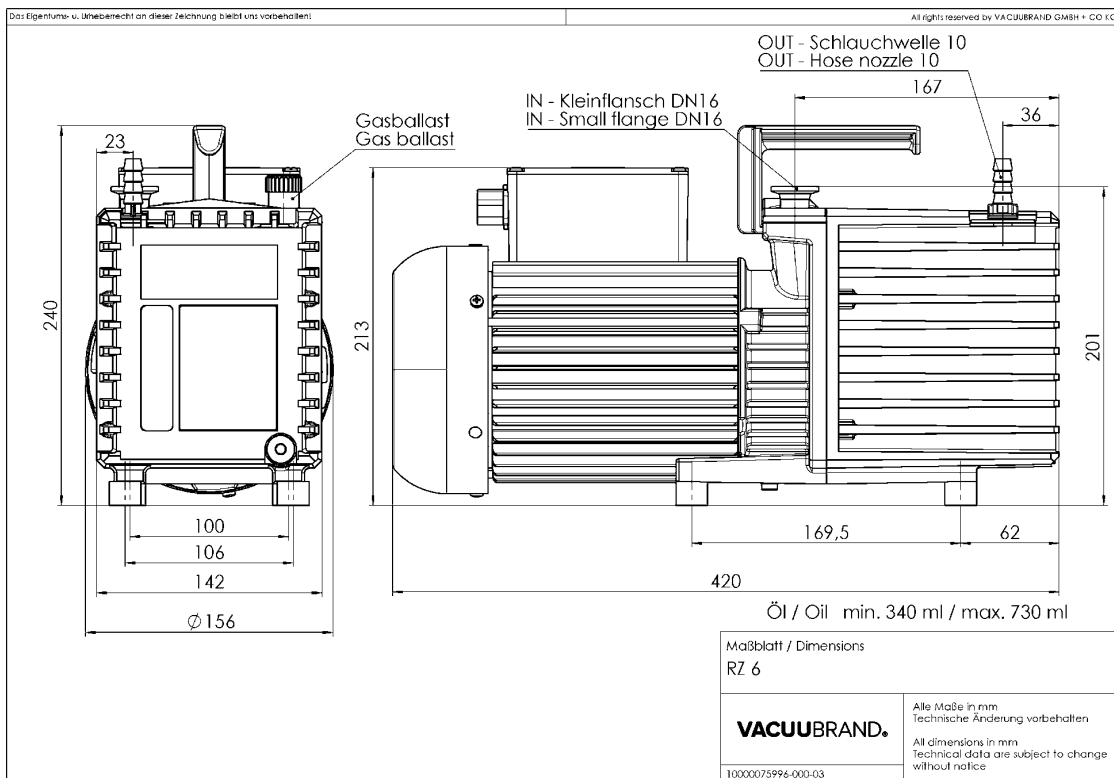
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 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