

# 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.

## 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.

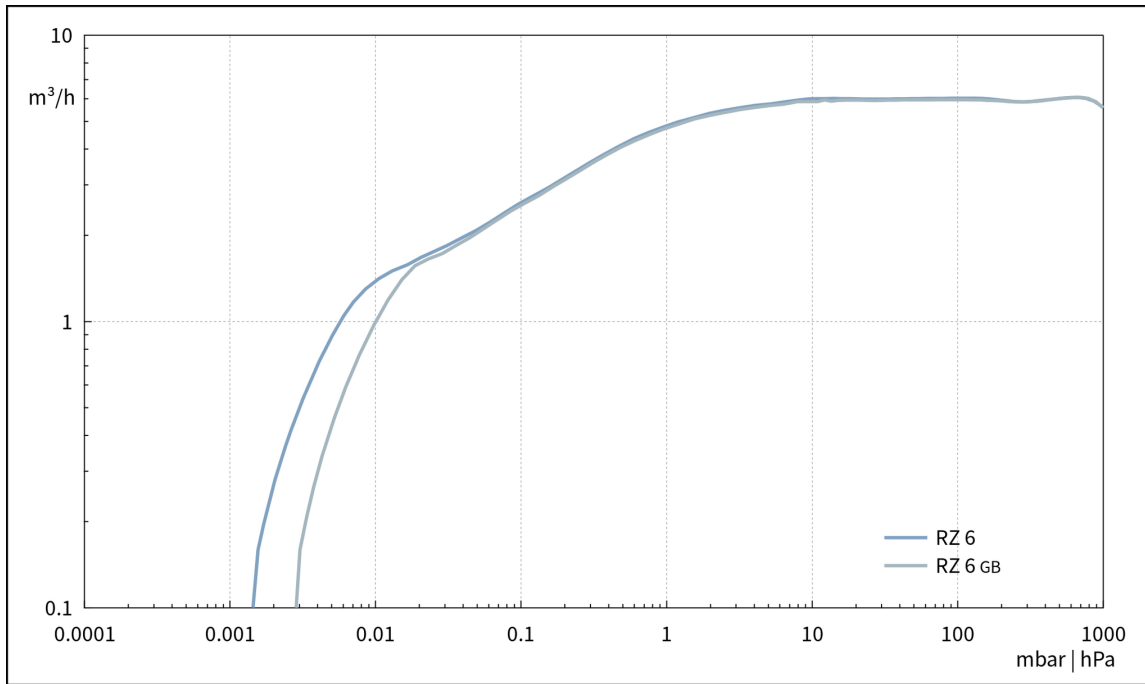
## Accessories

- 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)
- Rubber vacuum tubing DN 8 mm (20686001)
- Small flange with hose nozzle KF DN 16 / DN 10 mm (20662806)

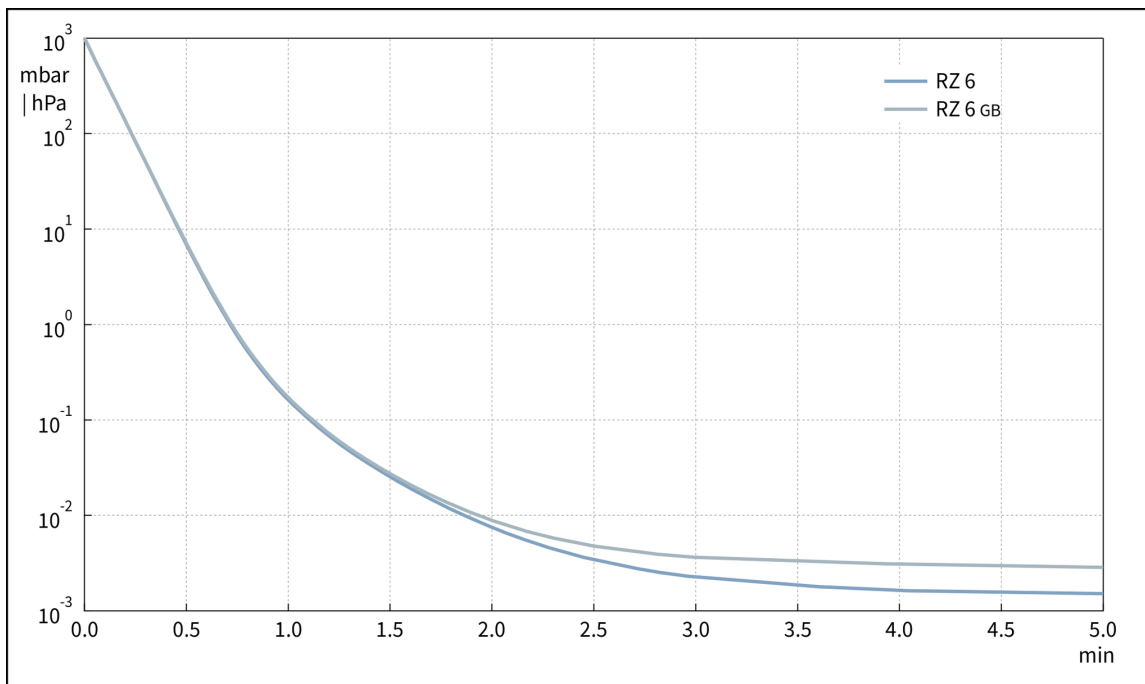
## Technical data

Max. pumping speed 50 Hz (mbar)	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

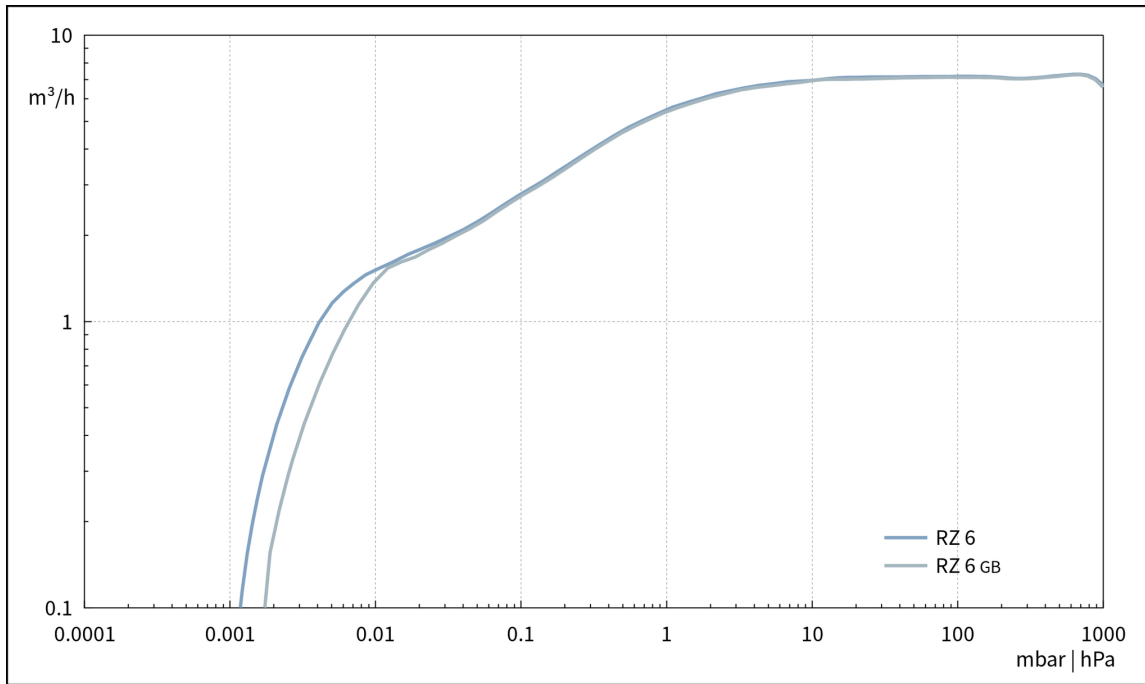
Pumping speed graph at 50 Hz



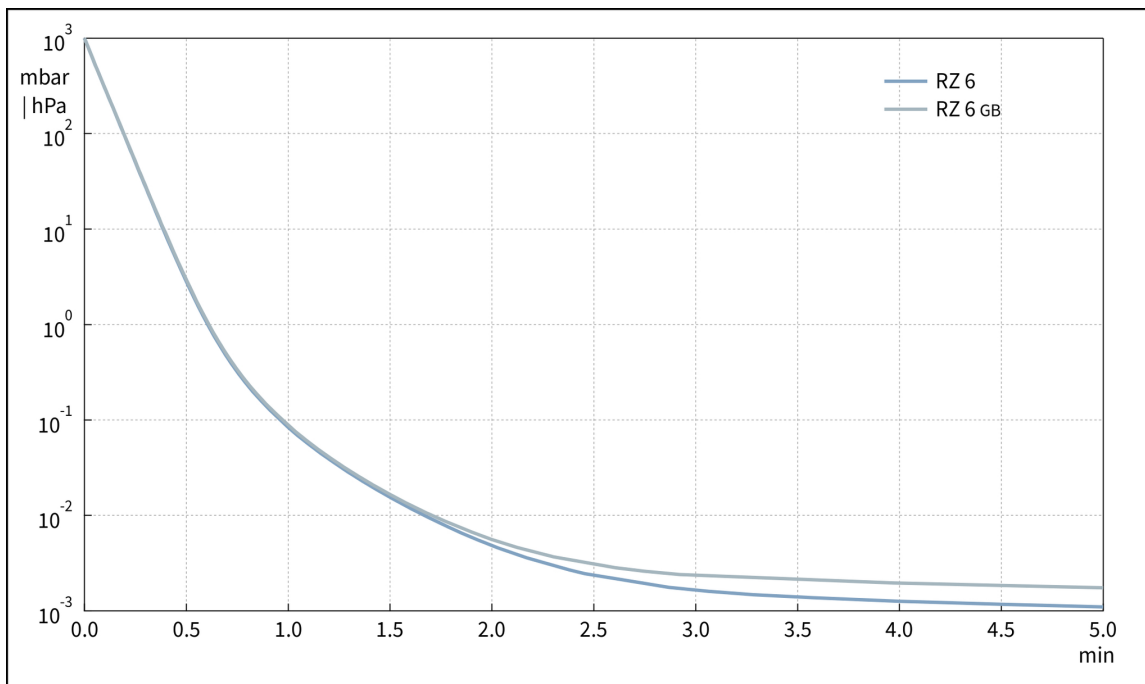
Pump down graph at 50 Hz (10 l volume)



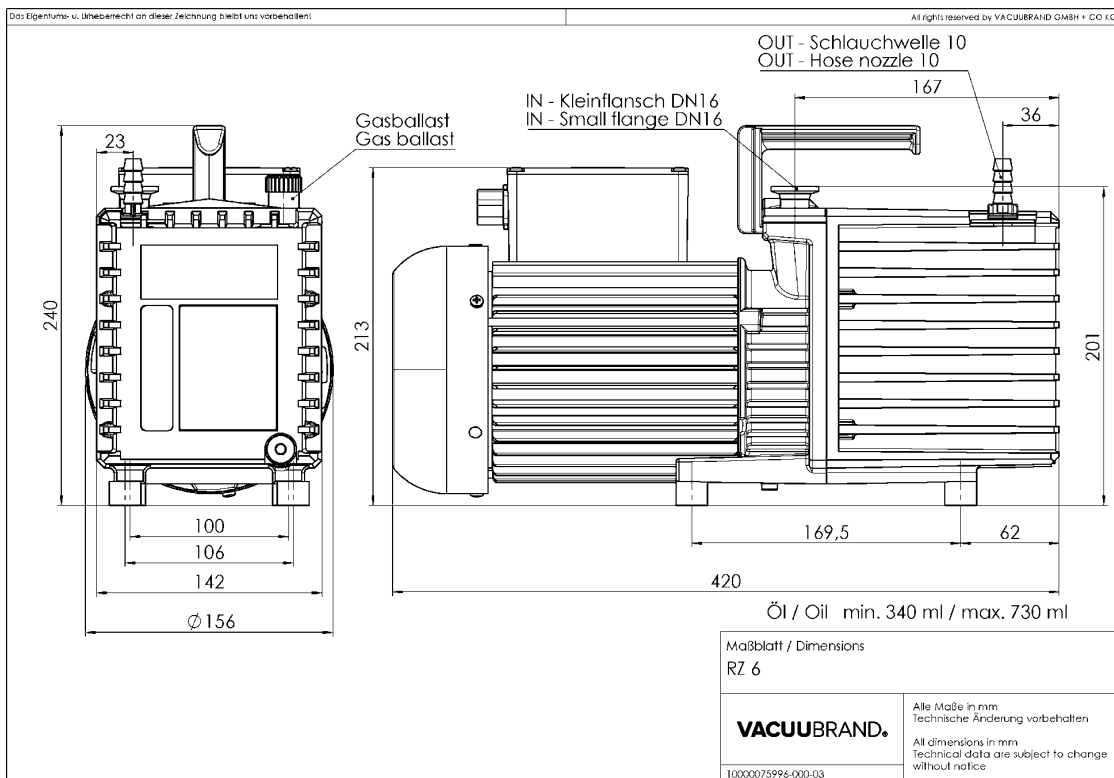
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



## Dimension sheet



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