

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	UK, IN	20798142

Items supplied

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

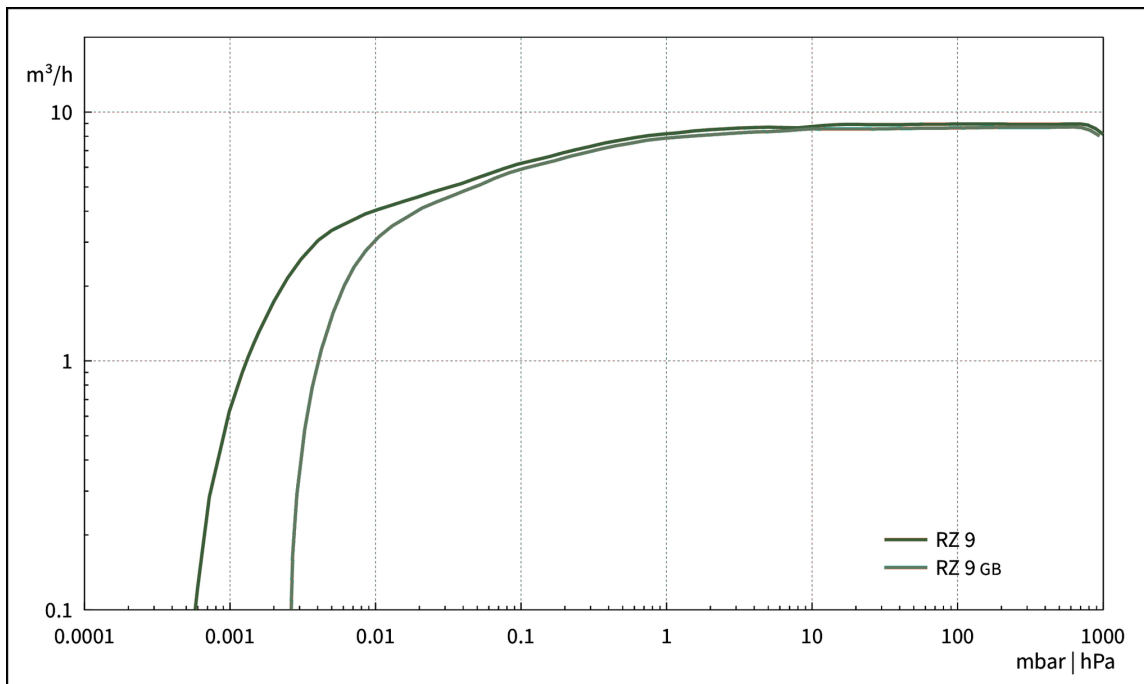
Accessories

- 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)

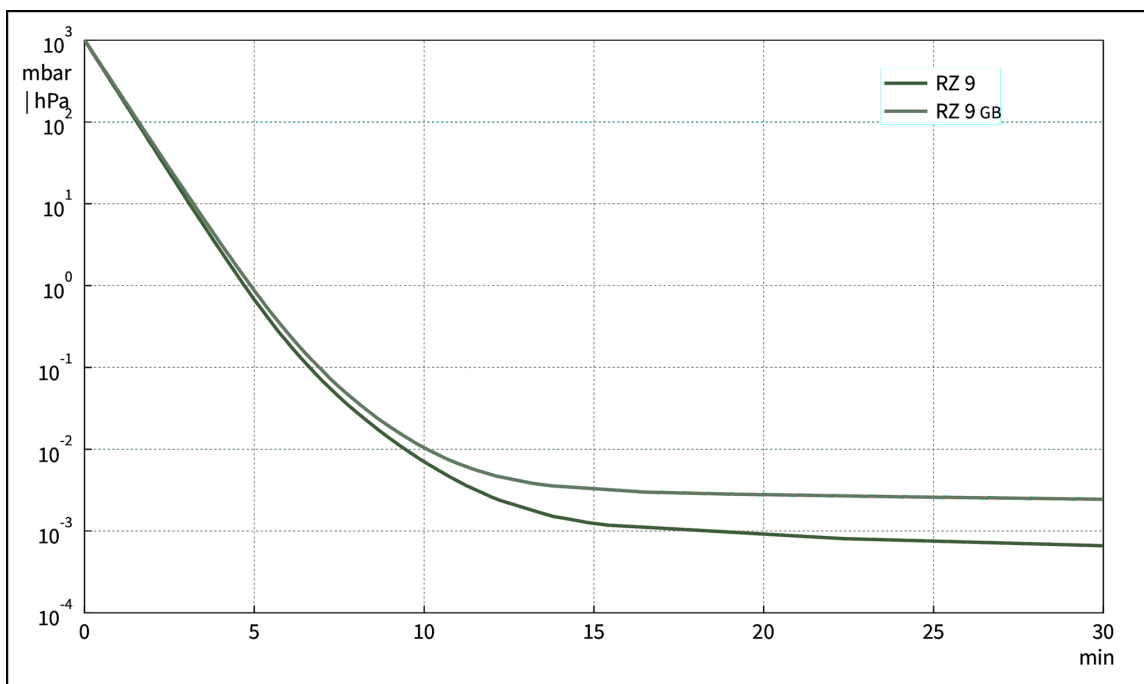
Technical data

Max. pumping speed 50 Hz (m ³ /h)	8.9 m ³ /h
Max. pumping speed 60 Hz (cfm)	6.0 cfm
Ultimate vacuum	2 x 10 ⁻³ mbar / 1.5 x 10 ⁻³ torr
Ultimate vacuum with gas ballast	1 x 10 ⁻² mbar / 0.75 x 10 ⁻² torr
Ultimate partial vacuum without gas ballast	4 x 10 ⁻⁴ mbar / 3 x 10 ⁻⁴ 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 ⁻¹
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

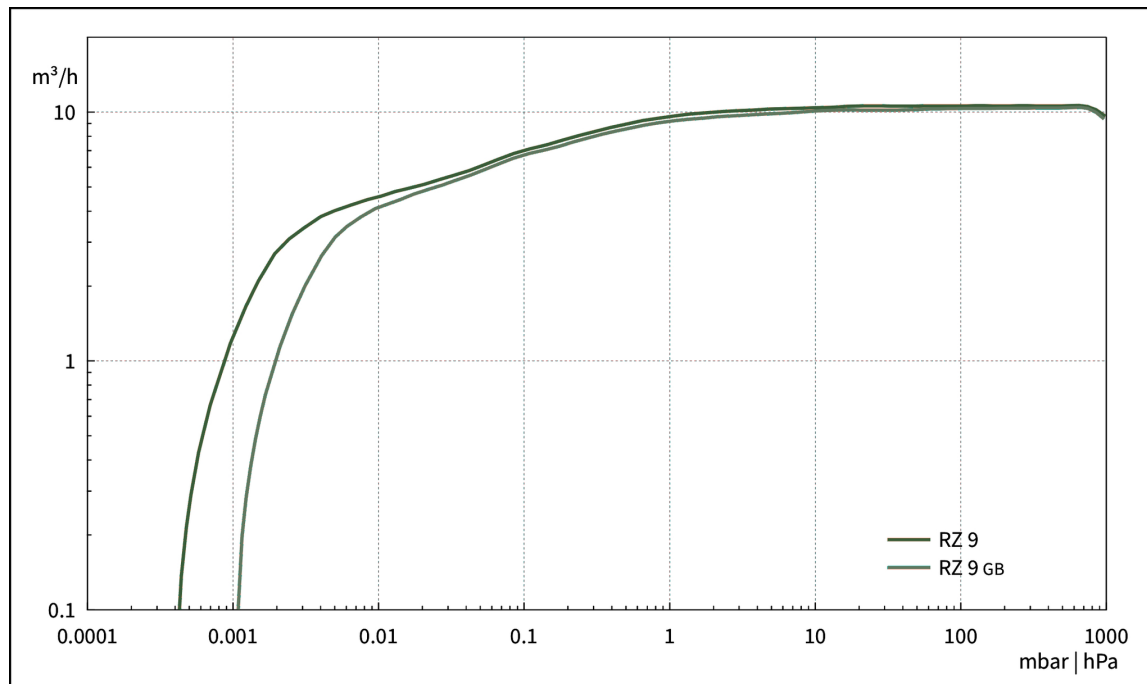
Pumping speed graph at 50 Hz



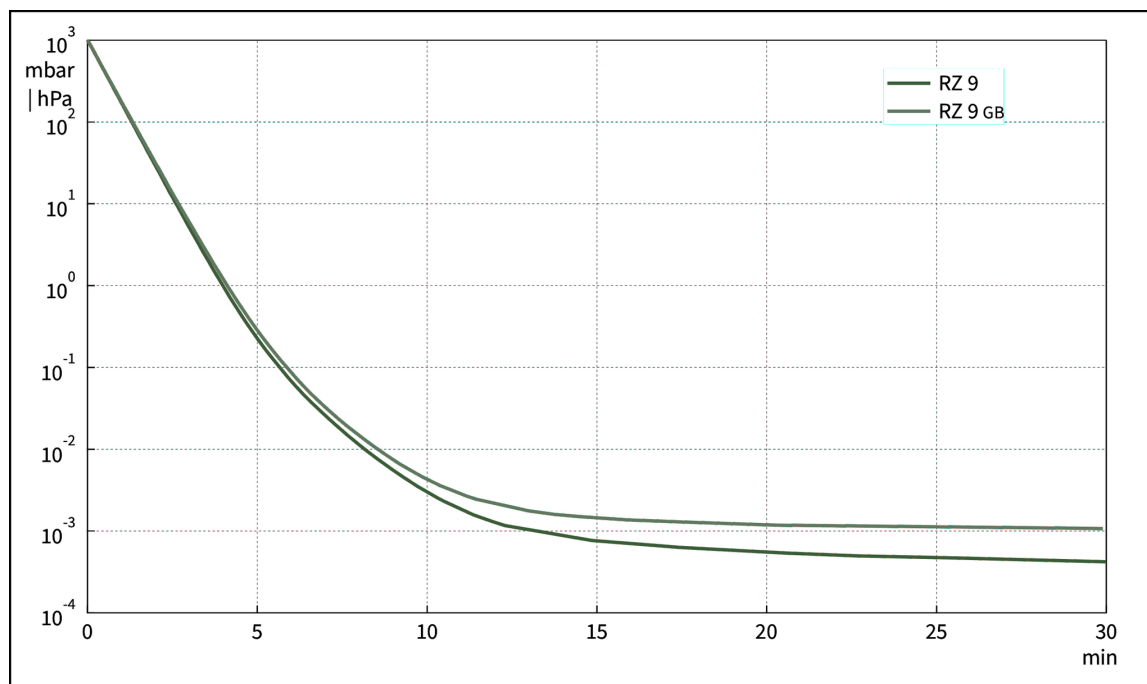
Pump down graph at 50 Hz (100 l volume)



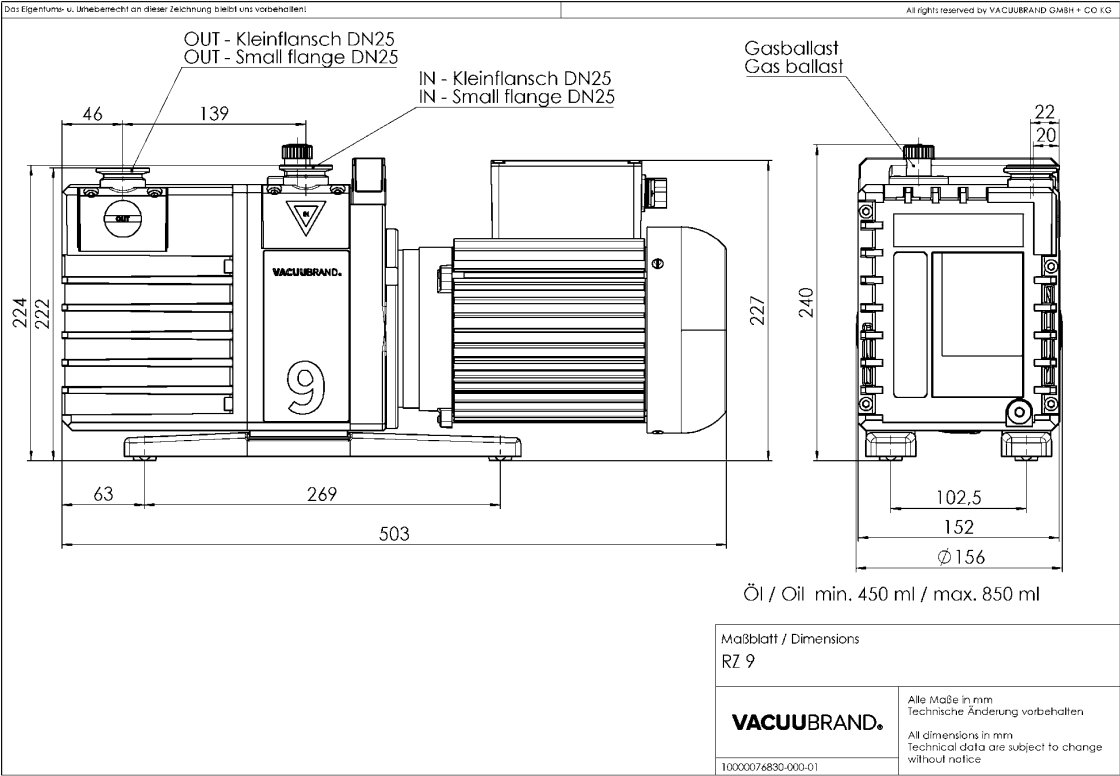
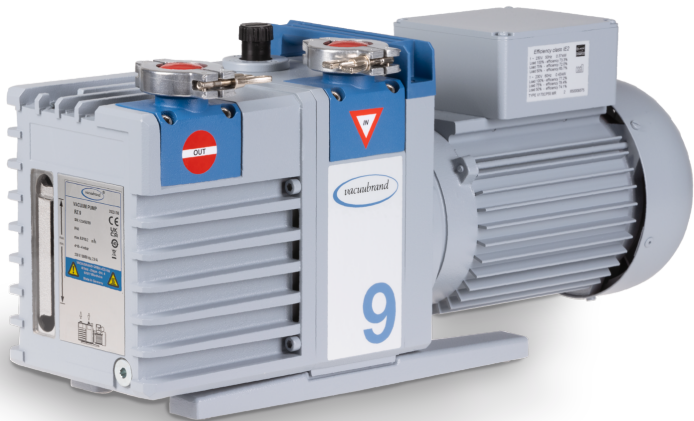
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (100 l volume)



Dimension sheet



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