

Rotary vane pump RZ 6 +FO +VS 16 +Set DCP+VSP 3000

[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 +FO +VS 16 +Set DCP+VSP 3000	230 V 50-60 Hz	CEE	20798150
RZ 6 +FO +VS 16 +Set DCP+VSP 3000	230 V 50-60 Hz	CH, CN	20798151

Items supplied

Pump oil filled and completely mounted, ready for use, with manual, with oil mist filter FO, valve VS 16 and Pirani vacuum gauge DCP 3000 +VSP3000

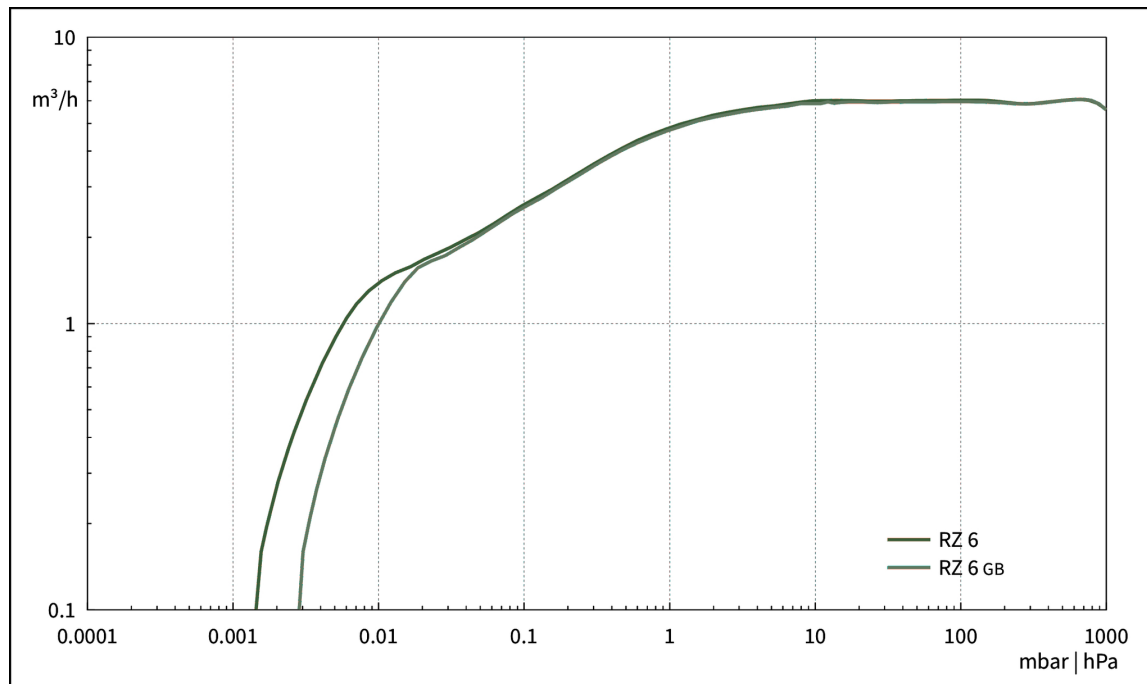
Accessories

- Rubber vacuum tubing DN 10 mm (20686002)
- Metal vacuum tubing with small flanges KF DN 16 (20673336)
- Separator inlet side AK for RE/RZ 5/6/2.5 (20698006)
- Maintenance kit RE 2.5 - RZ 6 (20648977)

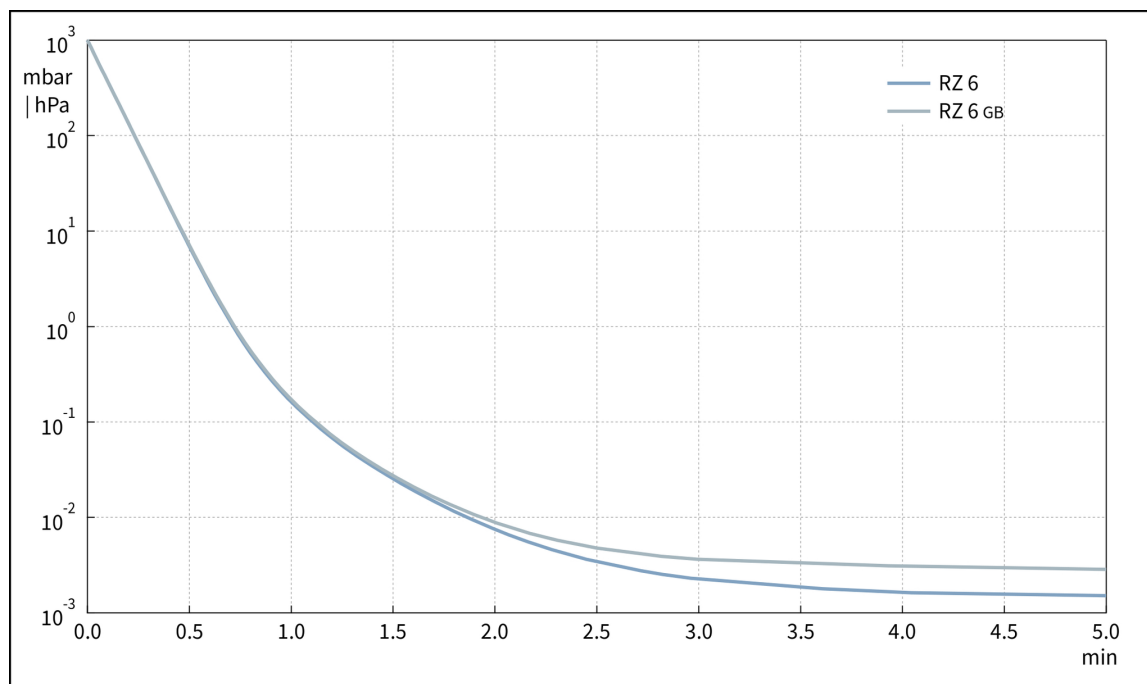
Technical data

Max. pumping speed 50 Hz (m³/h)	5.7 m³/h
Max. pumping speed 60 Hz (cfm)	4.0 cfm
Ultimate vacuum	2×10^{-3} mbar / 1.5×10^{-3} torr
Ultimate vacuum with gas ballast	1×10^{-2} mbar / 0.75×10^{-2} torr
Ultimate partial vacuum without gas ballast	4×10^{-4} mbar / 3×10^{-4} torr
Water vapor tolerance	40 mbar / 30 torr
Number of stages	2
Vacuum controller	DCP 3000 / VSP 3000
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 / hose nozzle DN 10 mm
Outlet connection	Hose nozzle DN 8-10 mm
Rated motor power	0.18 kW
Rated speed 50/60 Hz	1500/1800 min ⁻¹
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	420 mm x 230 mm x 240 mm
Weight	17.8 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

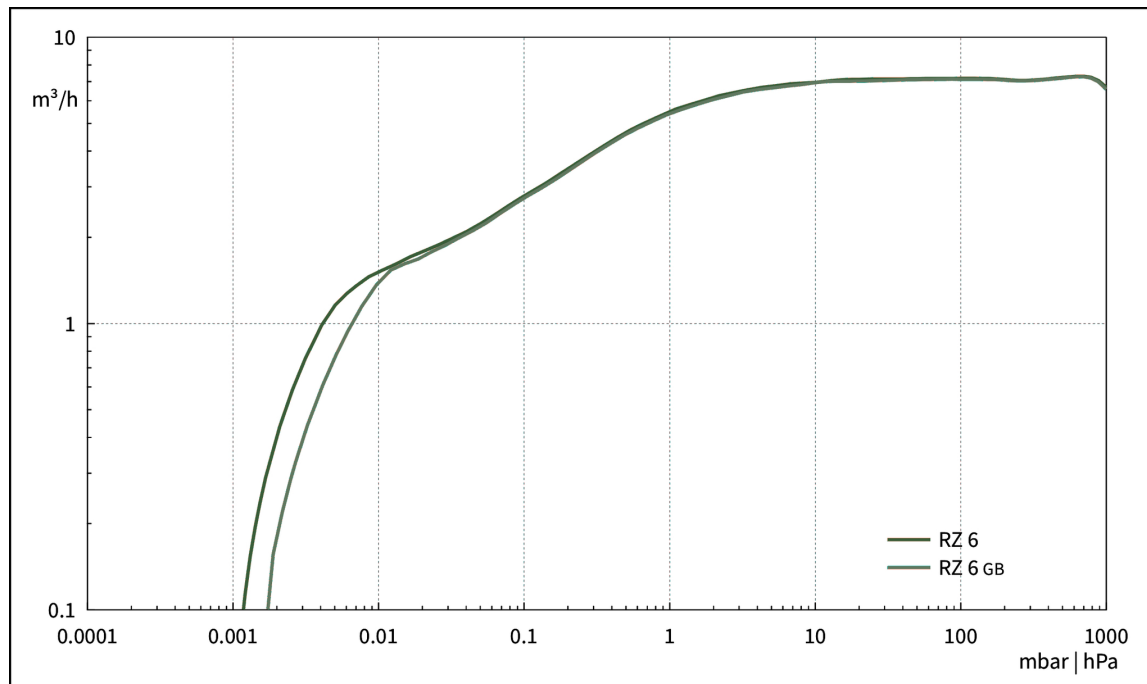
Pumping speed graph at 50 Hz



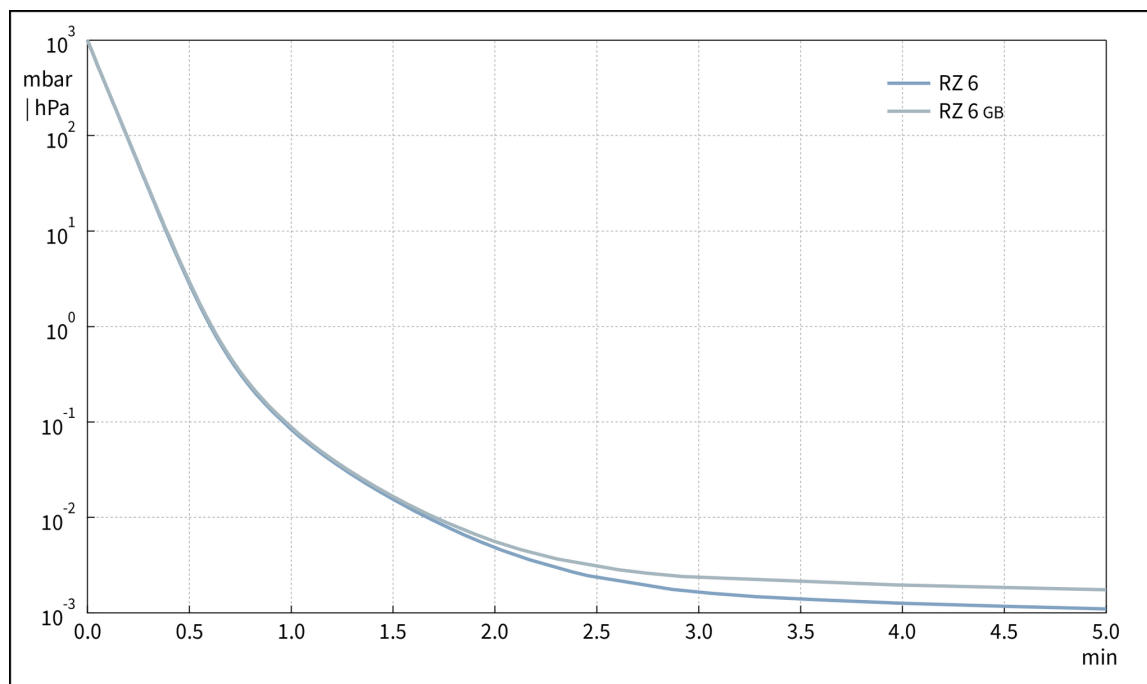
Pump down graph at 50 Hz (10 l volume)



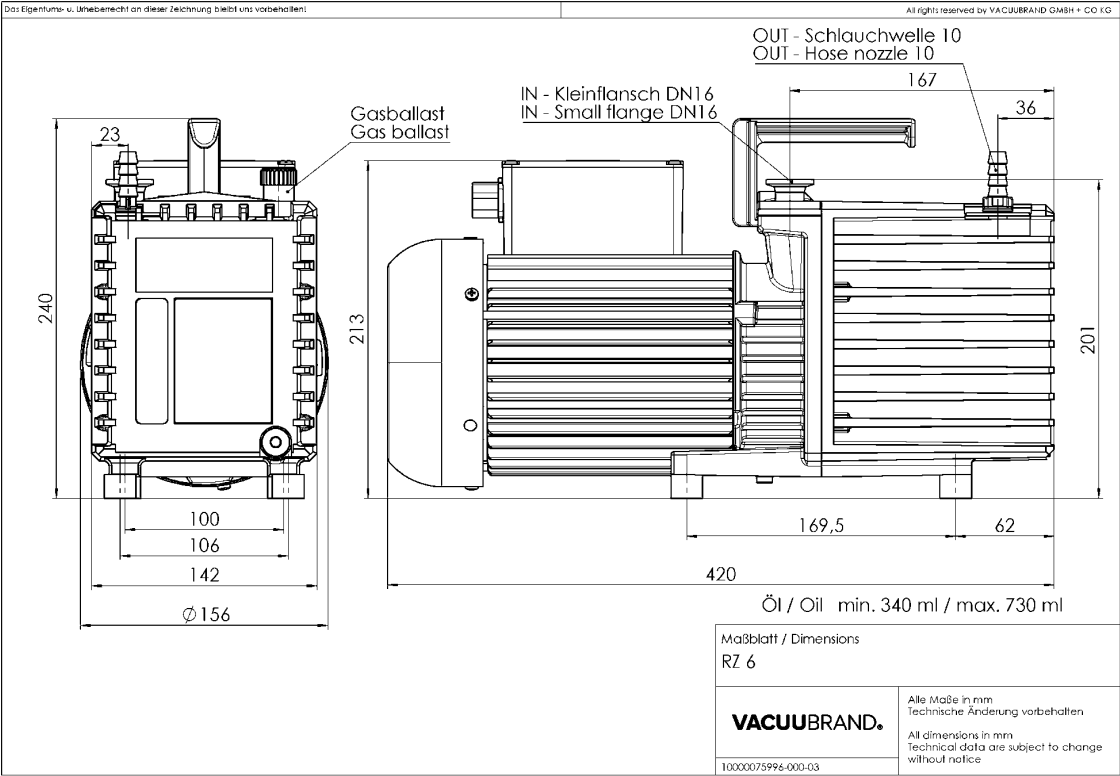
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



Dimension sheet



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