

Package rotary-vane pump RZ 6 +FO +VS 16 +Set DCP+VSP 3000

[Link to the website](#)

Product description

These powerful rotary vane pumps feature an unusually 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. The two-stage rotary vane pump RZ 6 is also available as a package including pump, oil mist filter, isolation valve and Pirani gauge set DCP + VSP 3000.

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	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

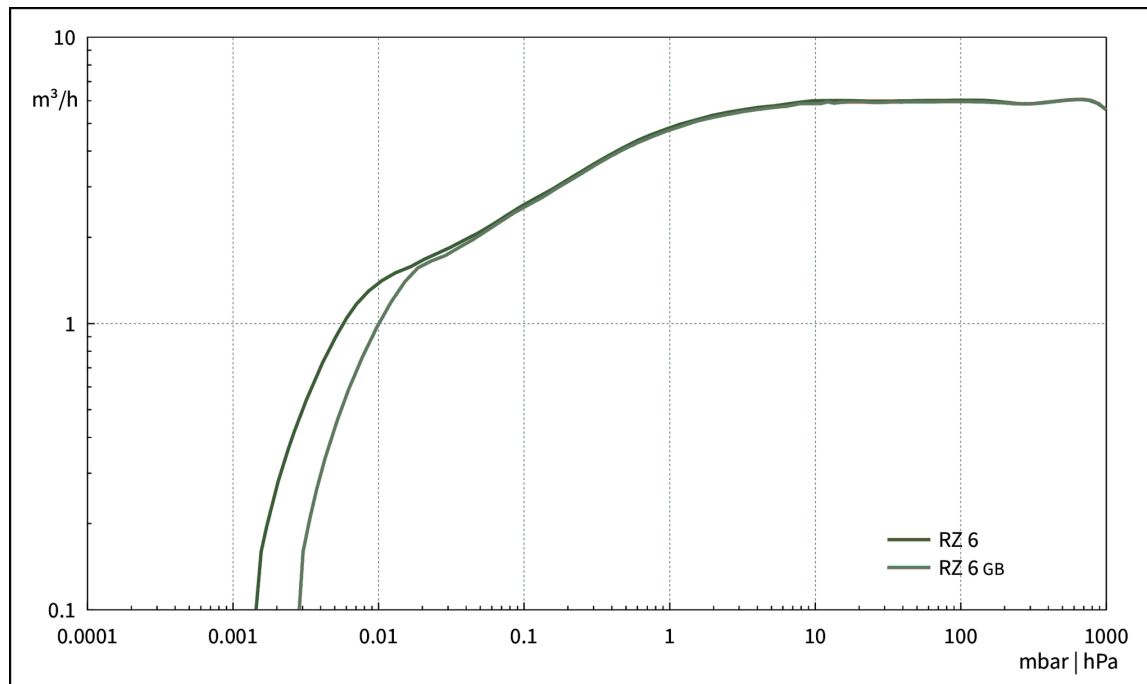
Accessories

- 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)

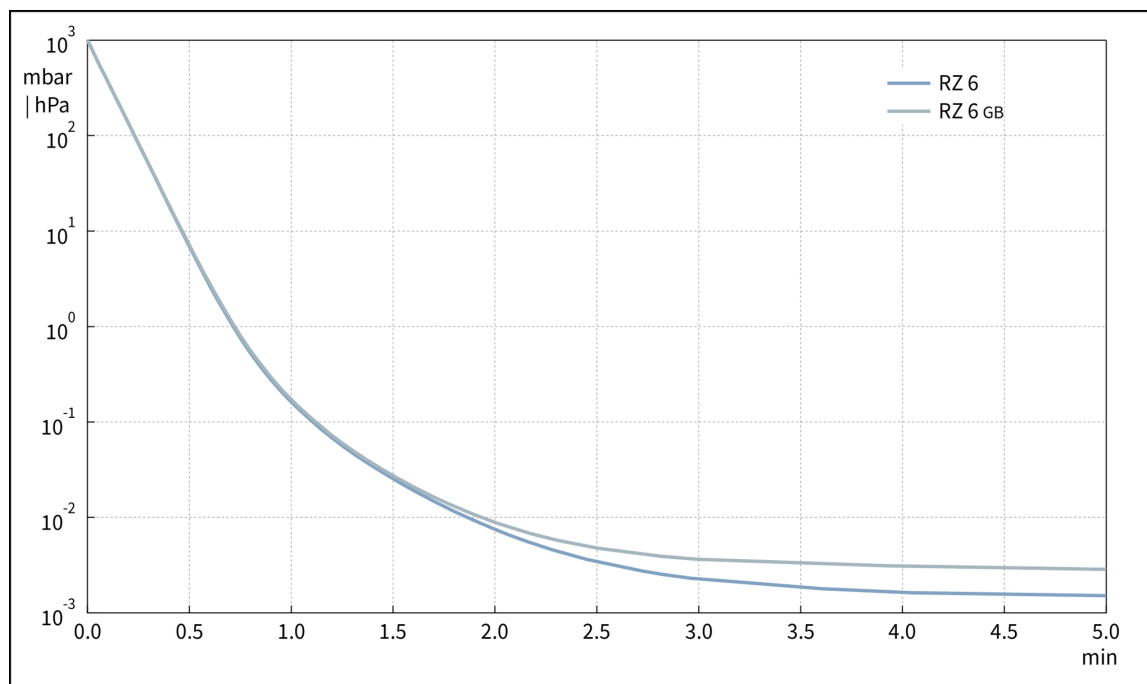
Technical data

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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