

Package rotary-vane pump RZ 6 +FO +VS 16 +VACUU·VIEW extended

[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. The two-stage rotary vane pump RZ 6 is also available as a package including pump, oil mist filter FO, valve VS 16 and vacuum gauge VACUU·VIEW extended.

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 +VACUU-VIEW extended | 230 V 50-60 Hz | CH | 20798161 |

Items supplied

Pump oil filled and completely mounted, ready for use, with manual, with oil mist filter FO, valve VS 16 and vacuum gauge VACUU-VIEW extended.

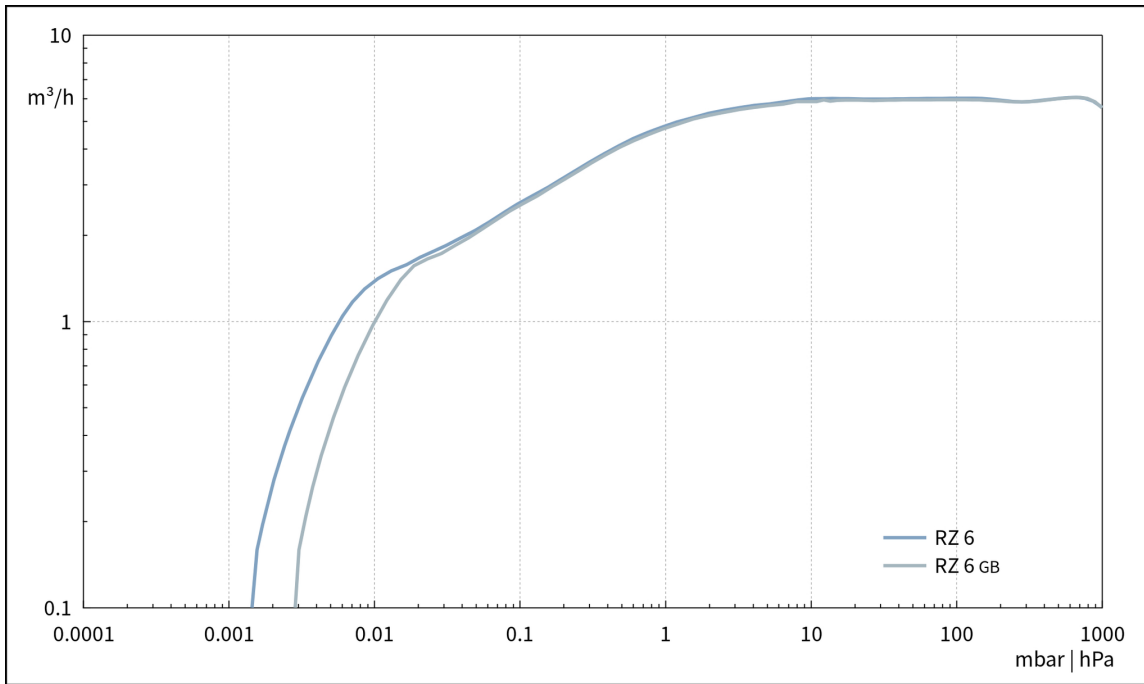
Accessories

- 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)

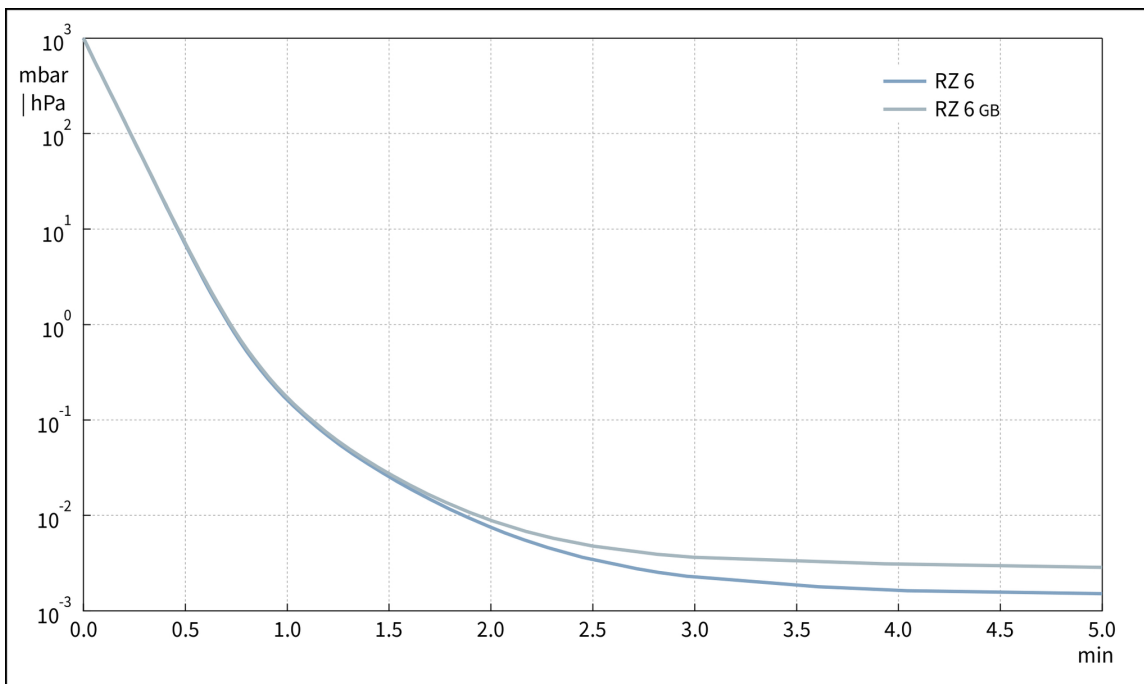
Technical data

| | |
|--|--|
| Max. pumping speed 50 Hz (mbar) | 5.7 m ³ /h |
| Max. pumping speed 60 Hz (cfm) | 4.0 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 |
| Vacuum controller | VACUU-VIEW extended |
| 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 |

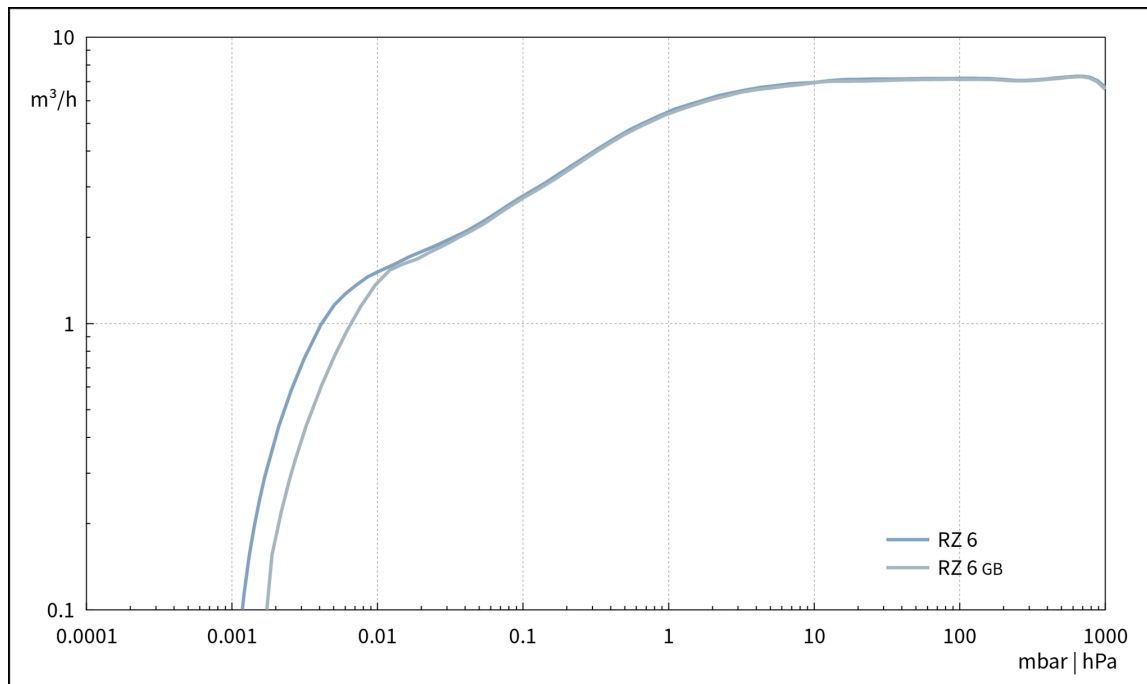
Pumping speed graph at 50 Hz



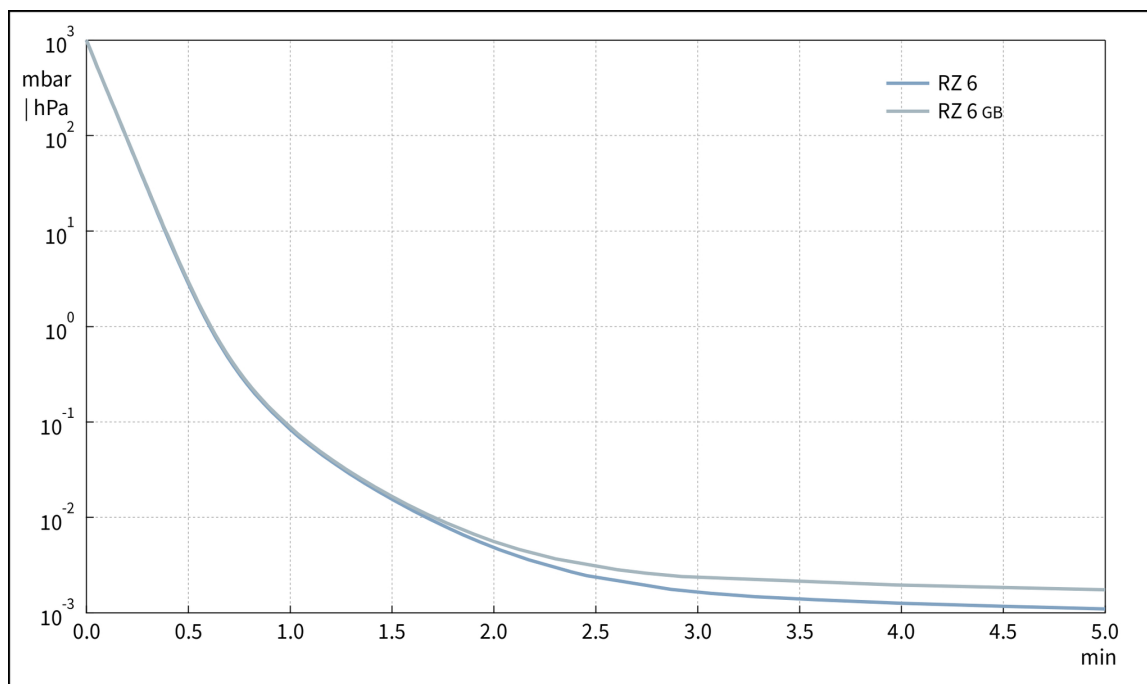
Pump down graph at 50 Hz (10 l volume)



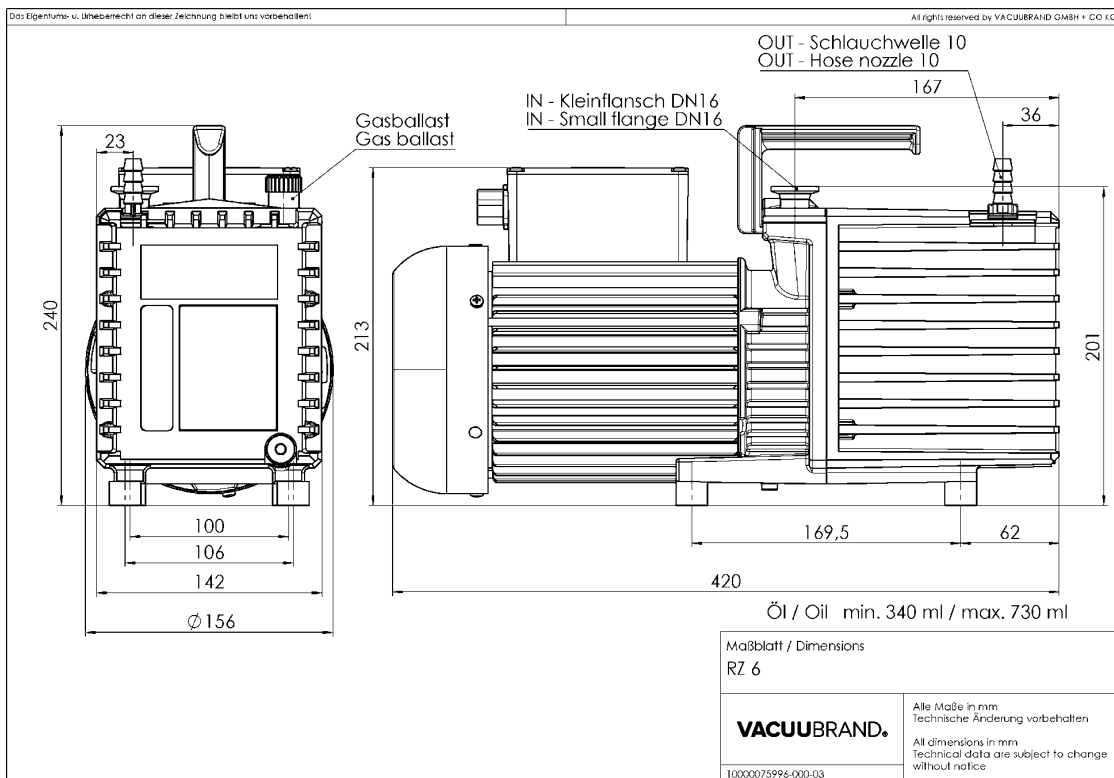
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



Dimension sheet



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