

Rotary vane pump RZ 6 +FO +VS 16

[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 | 230 V 50-60 Hz | CH, CN | 20798009 |
| RZ 6 +FO +VS 16 | 230 V 50-60 Hz | CEE | 20798039 |
| RZ 6 +FO +VS 16 | 230 V 50-60 Hz | UK | 20798059 |

Items supplied

Pump oil filled and completely mounted, ready for use, with manual. With oil mist filter FO and isolation valve VS 16

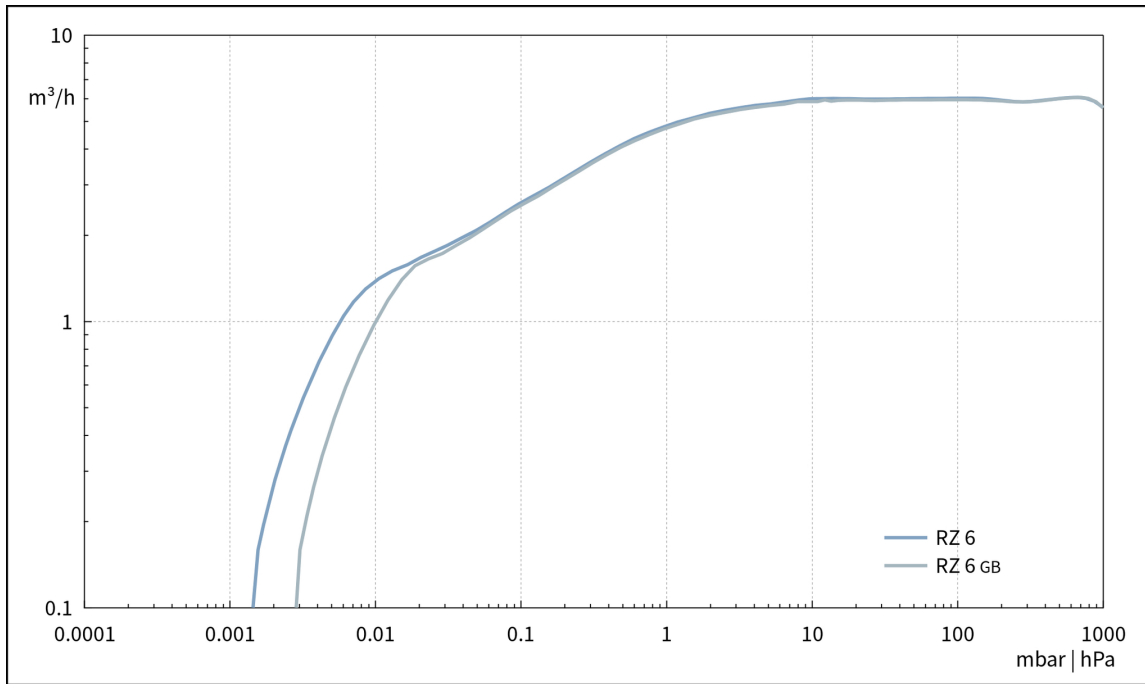
Accessories

- 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)

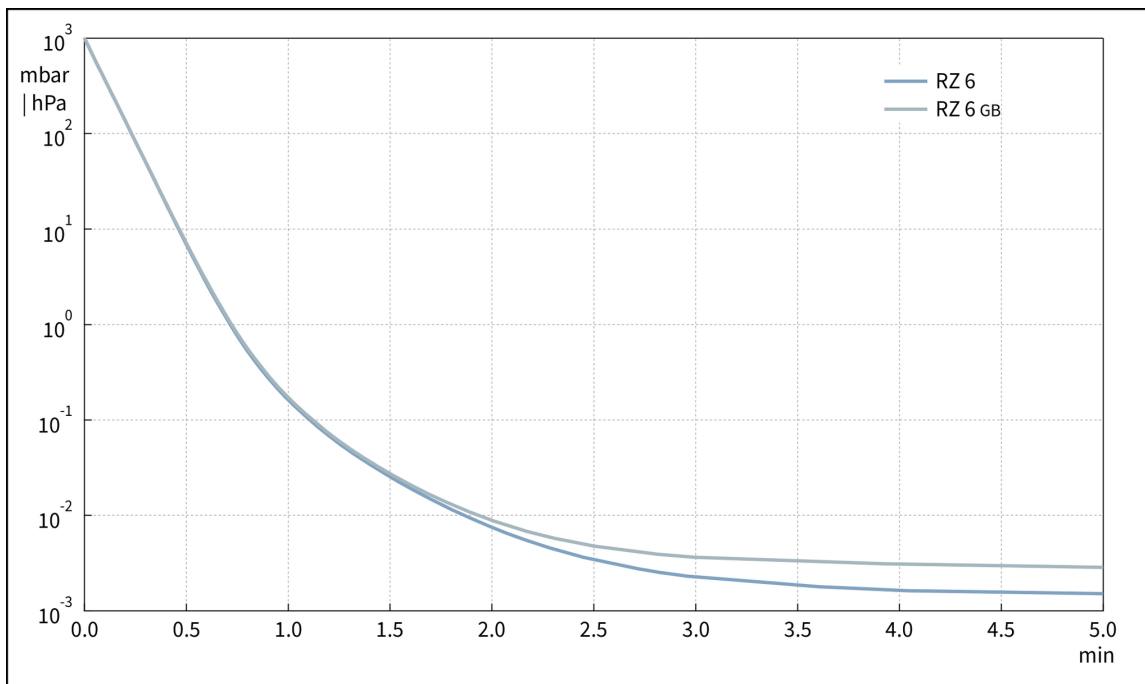
Technical data

| | |
|--|--|
| 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 |
| 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 |

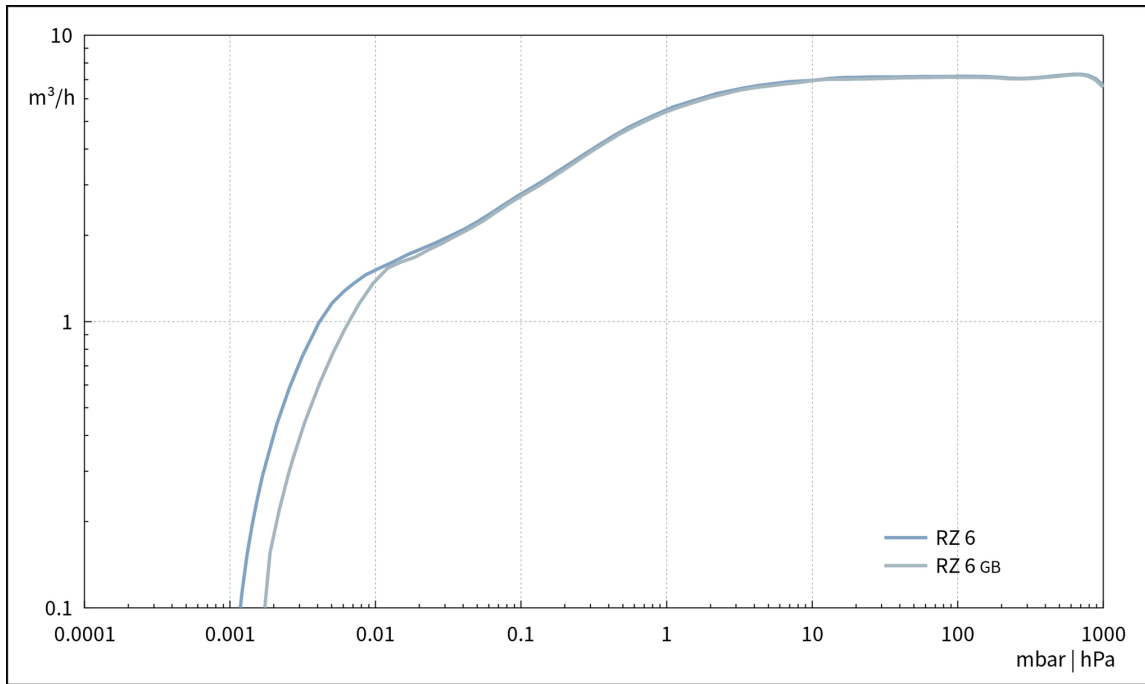
Pumping speed graph at 50 Hz



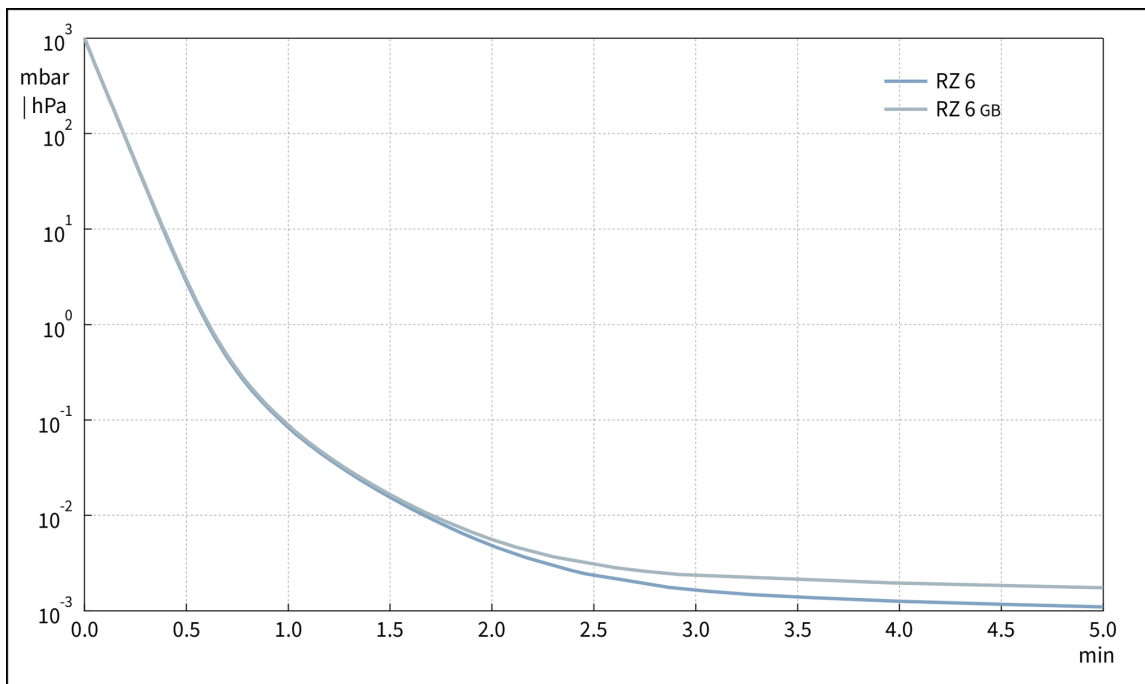
Pump down graph at 50 Hz (10 l volume)



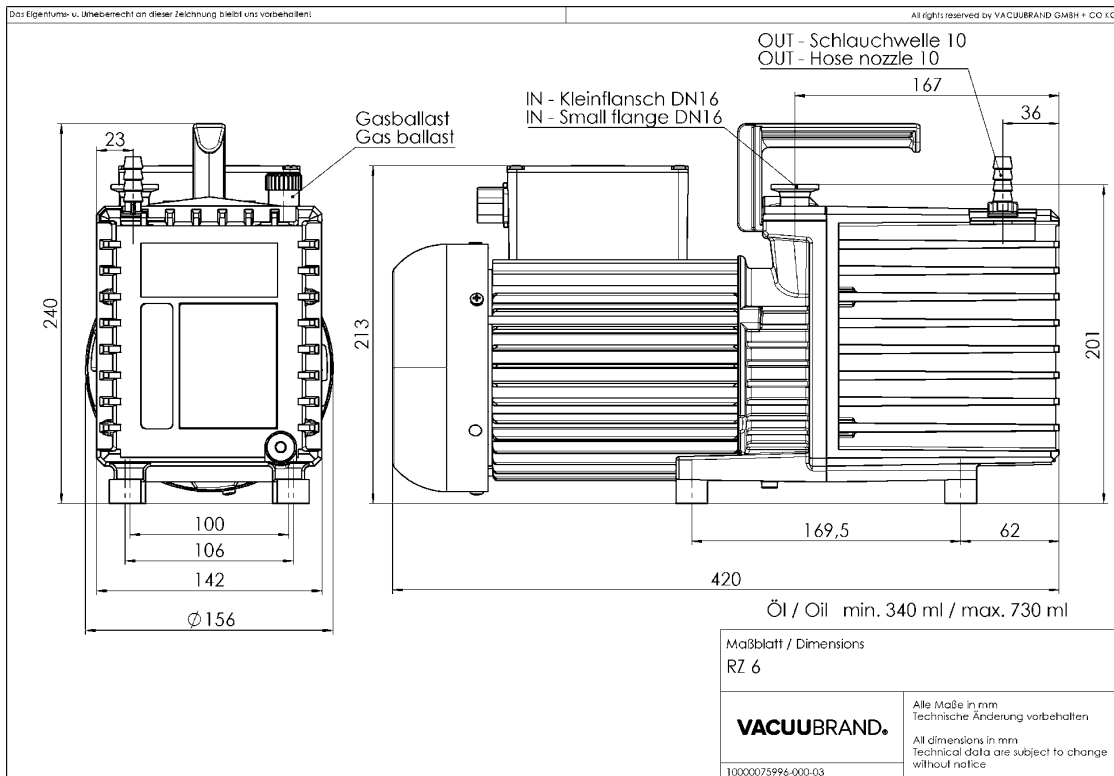
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



Dimension sheet



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