

# 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                        | CEE       | 20798160   |

## 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.

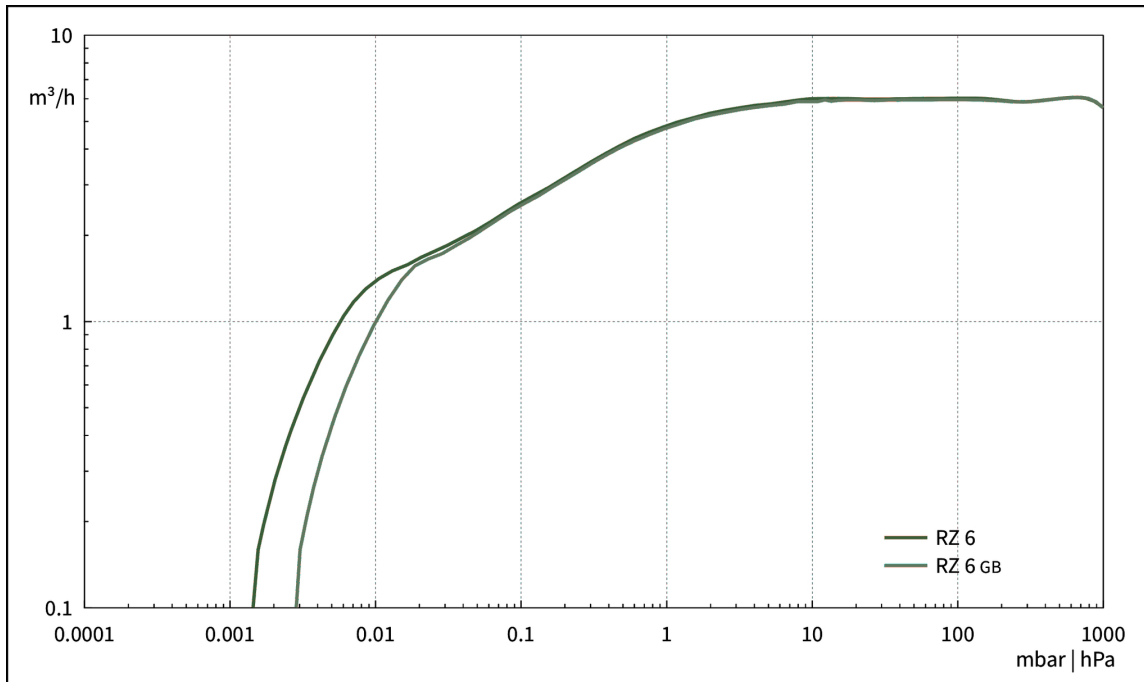
## Accessories

- 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)
- Maintenance kit RE 2.5 - RZ 6 (20648977)

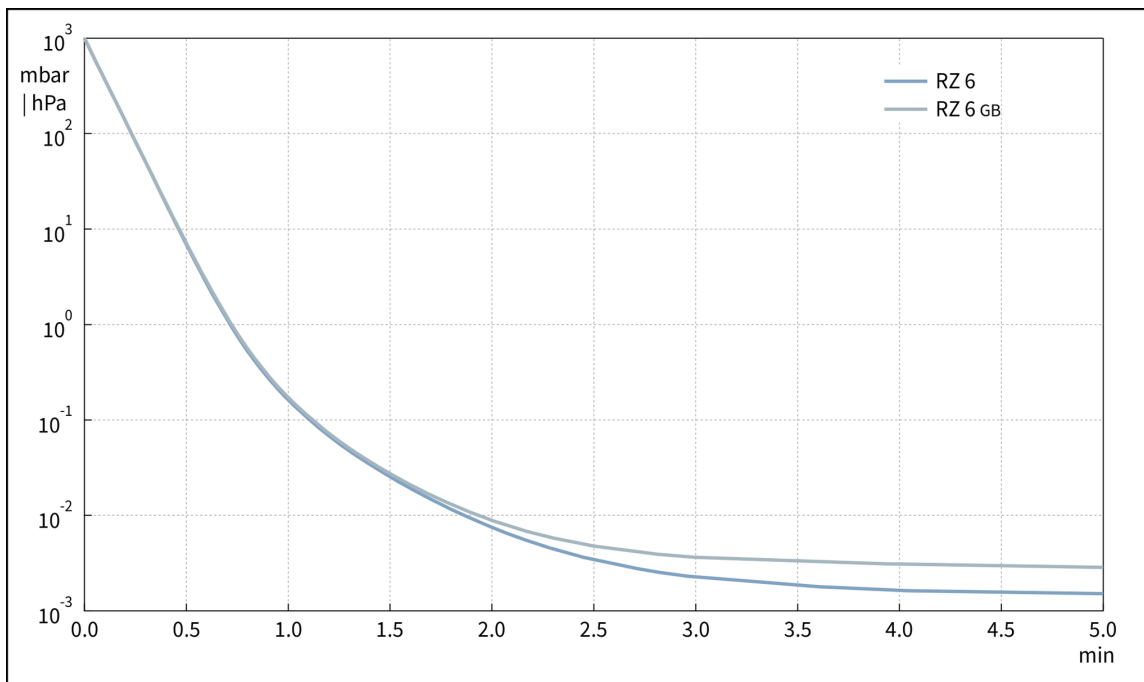
## Technical data

| Max. pumping speed 50 Hz (mbar)  | 5.7 m <sup>3</sup> /h                                    |
|--|--|
| Max. pumping speed 60 Hz (cfm)   | 4.0 cfm  |
| Ultimate vacuum  | 2 x 10 <sup>-3</sup> mbar / 1.5 x 10 <sup>-3</sup> torr  |
| Ultimate vacuum with gas ballast   | 1 x 10 <sup>-2</sup> mbar / 0.75 x 10 <sup>-2</sup> torr |
| Ultimate partial vacuum without gas ballast  | 4 x 10 <sup>-4</sup> mbar / 3 x 10 <sup>-4</sup> 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 <sup>-1</sup>                              |
| 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   |

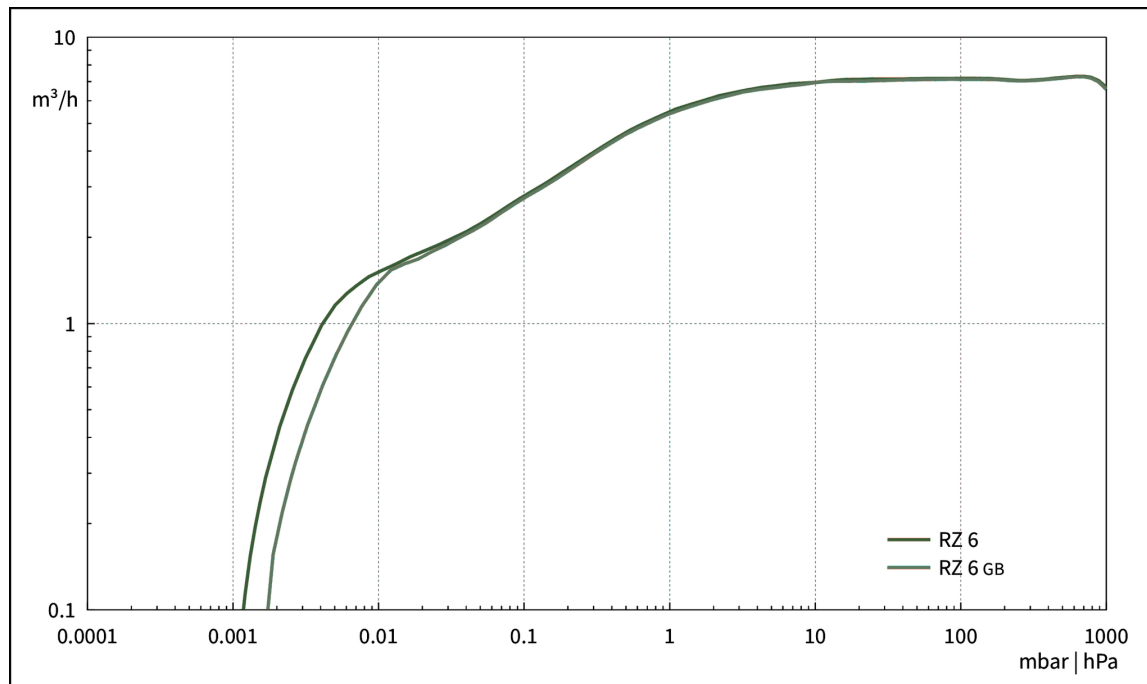
## Pumping speed graph at 50 Hz



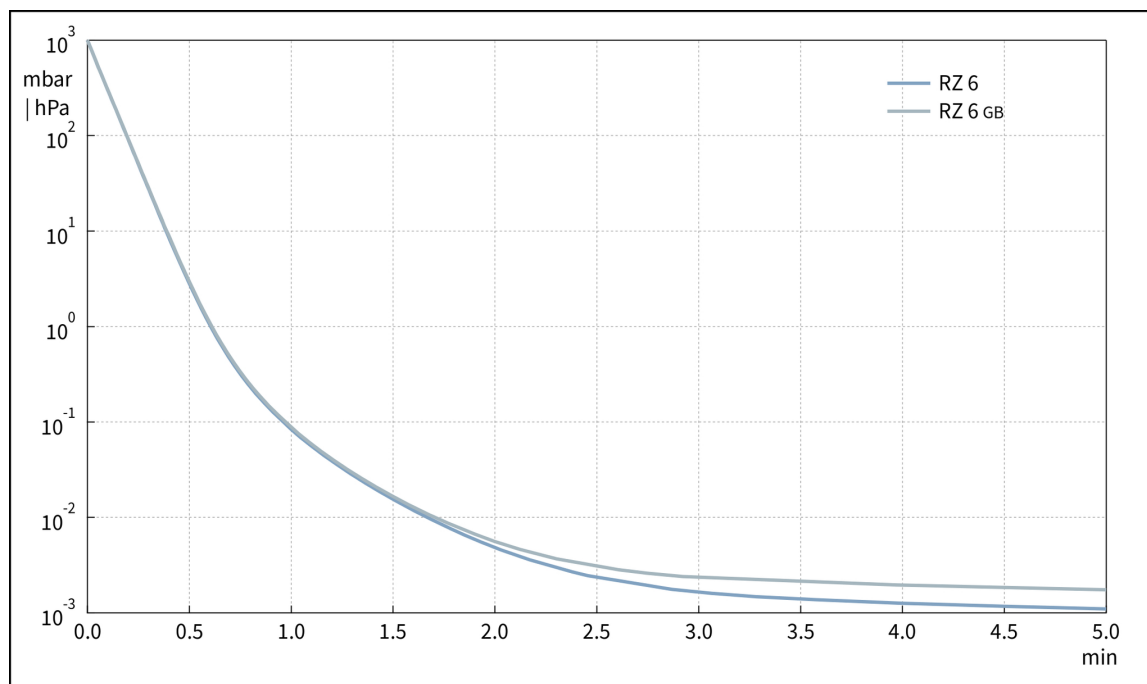
## Pump down graph at 50 Hz (10 l volume)



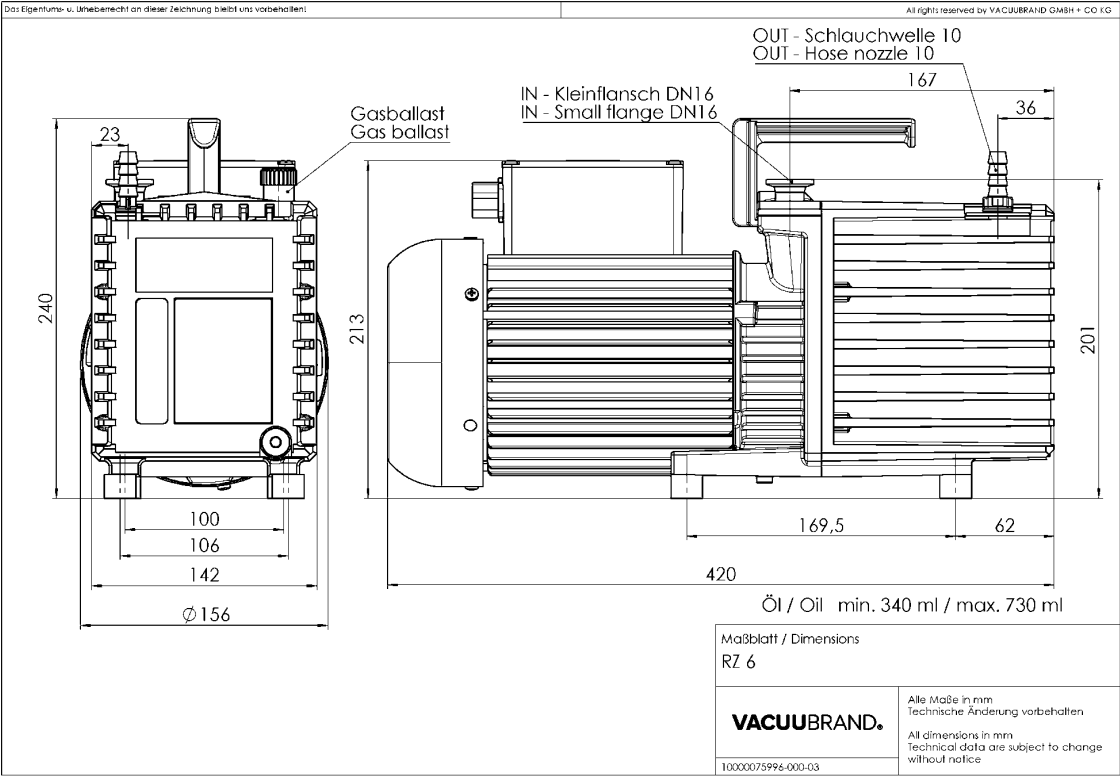
## Pumping speed graph at 60 Hz



## Pump down graph at 60 Hz (10 l volume)



Dimension sheet



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