

# Rotary vane pump RE 6

[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.

## 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.
RE 6	230 V   50-60 Hz	CEE	20797160
RE 6	230 V   50-60 Hz	CH, CN	20797161
RE 6	230 V   50-60 Hz	UK, IN	20797162
RE 6	220-230 V   50-60 Hz 100-115 V   50-60 Hz	US	20797166

## Items supplied

Pump oil filled and completely mounted, ready for use, with manual.

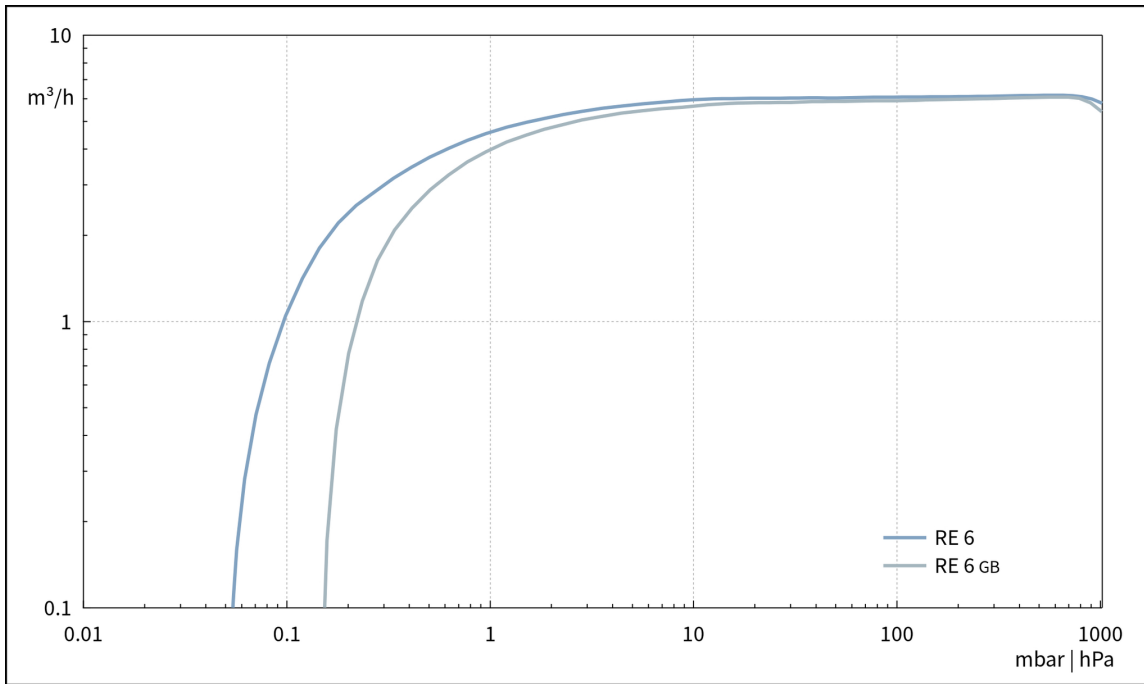
## Accessories

- Oil mist filter outlet side FO R 2/2.5/5/6 (20698003)
- Butterfly valve VS 16 (20665004)
- Clamping ring for small flange KF DN 10/16 (20660000)
- External centring ring for small flange KF DN 10/16 (20660195)
- Small flange with hose nozzle KF DN 16 / DN 10 mm (20662806)
- Metal vacuum tubing with small flanges KF DN 16 (20673336)
- Rubber vacuum tubing DN 10 mm (20686002)

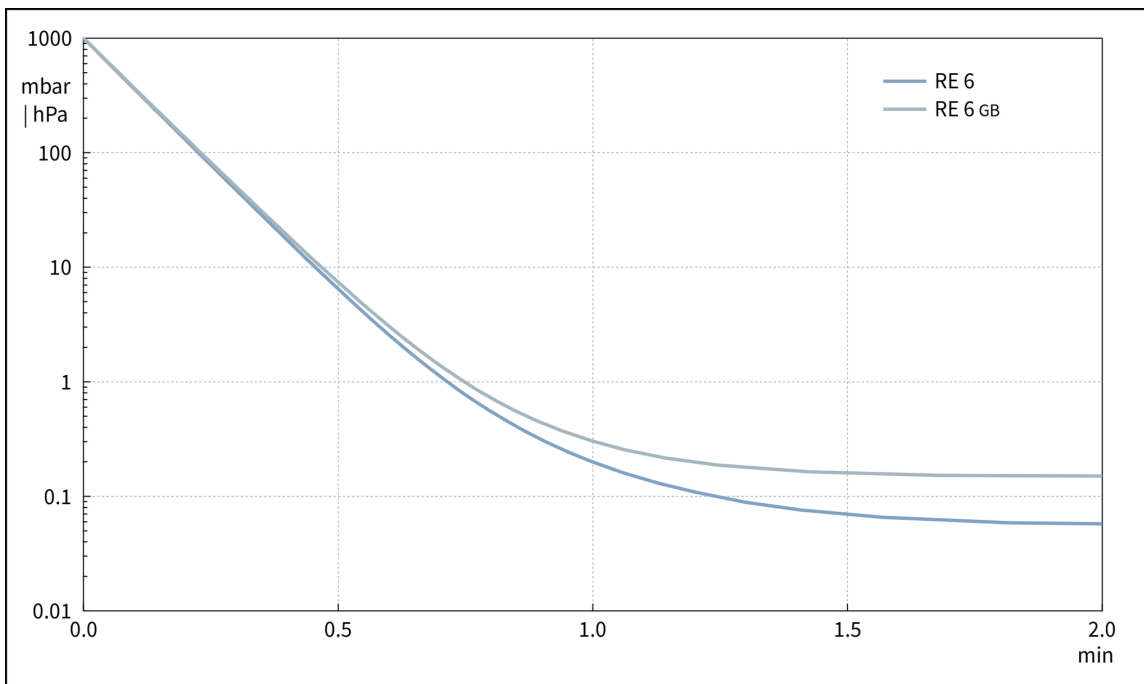
## Technical data

Max. pumping speed 50 Hz (mbar)	5.7 m <sup>3</sup> /h
Max. pumping speed 60 Hz (cfm)	4.0 cfm
Ultimate vacuum	1 x 10 <sup>-1</sup> mbar / 0.75 x 10 <sup>-1</sup> torr
Ultimate vacuum with gas ballast	6 x 10 <sup>-1</sup> mbar / 4.5 x 10 <sup>-1</sup> torr
Ultimate partial vacuum without gas ballast	1 x 10 <sup>-1</sup> mbar / 0.75 x 10 <sup>-1</sup> torr
Water vapor tolerance	40 mbar / 30 torr
Number of stages	1
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.	0.36 / 0.93 l
Inlet connection	small flange KF DN 16
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 156 mm x 240 mm
Weight	15.7 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

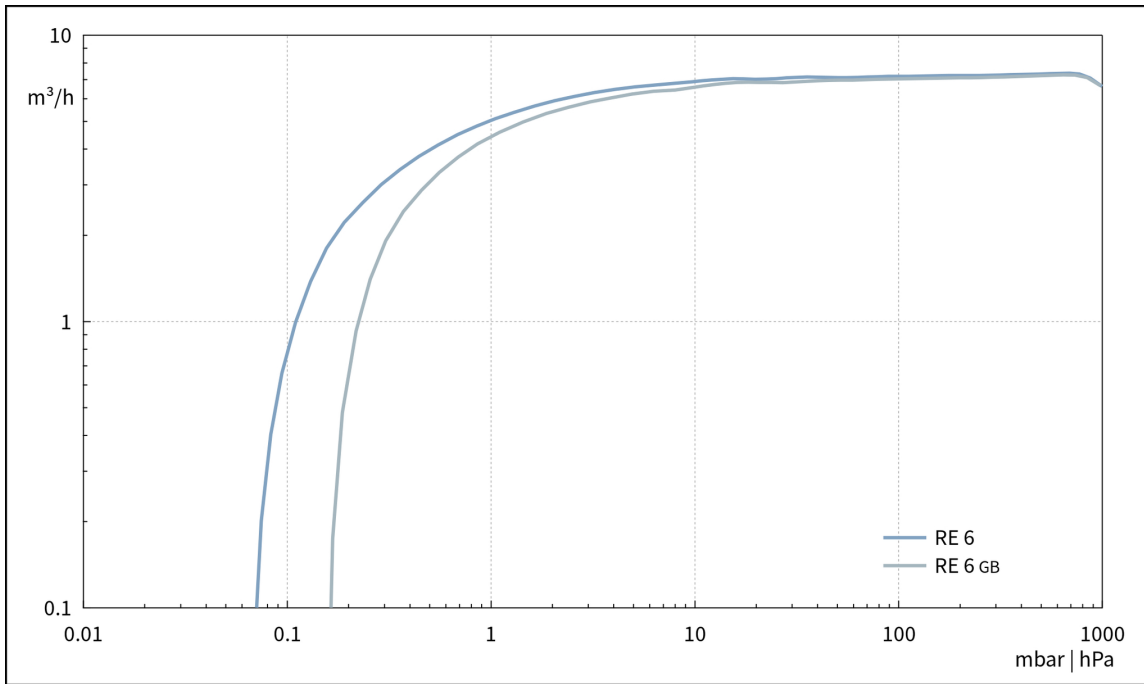
Pumping speed graph at 50 Hz



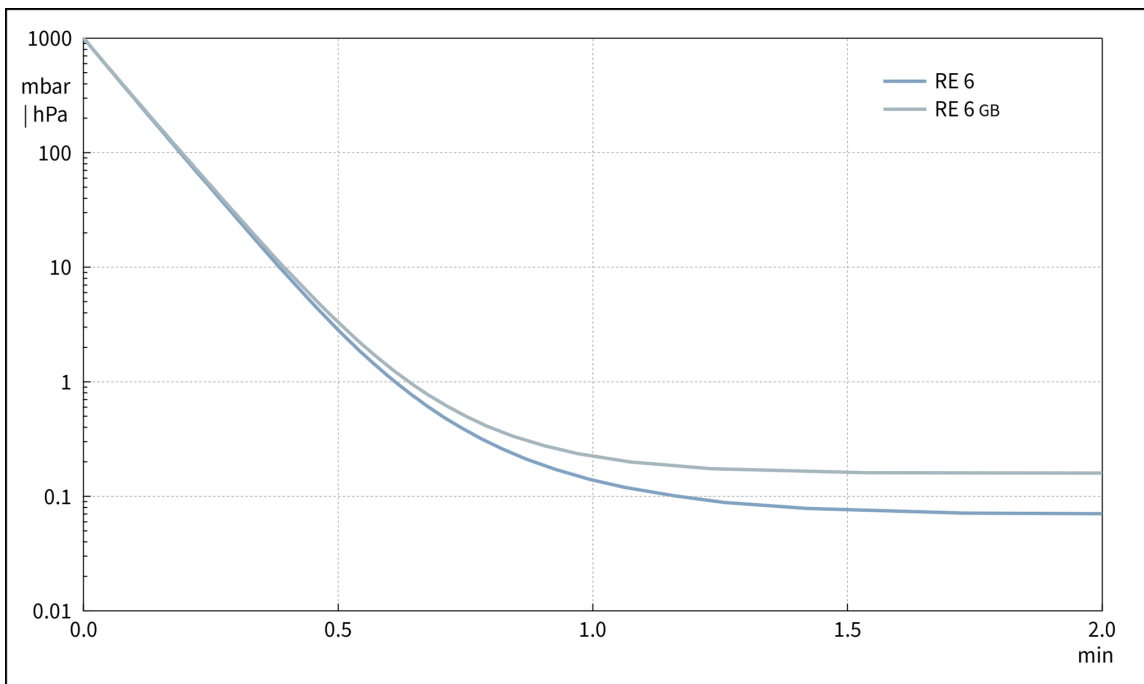
Pump down graph at 50 Hz (10 l volume)



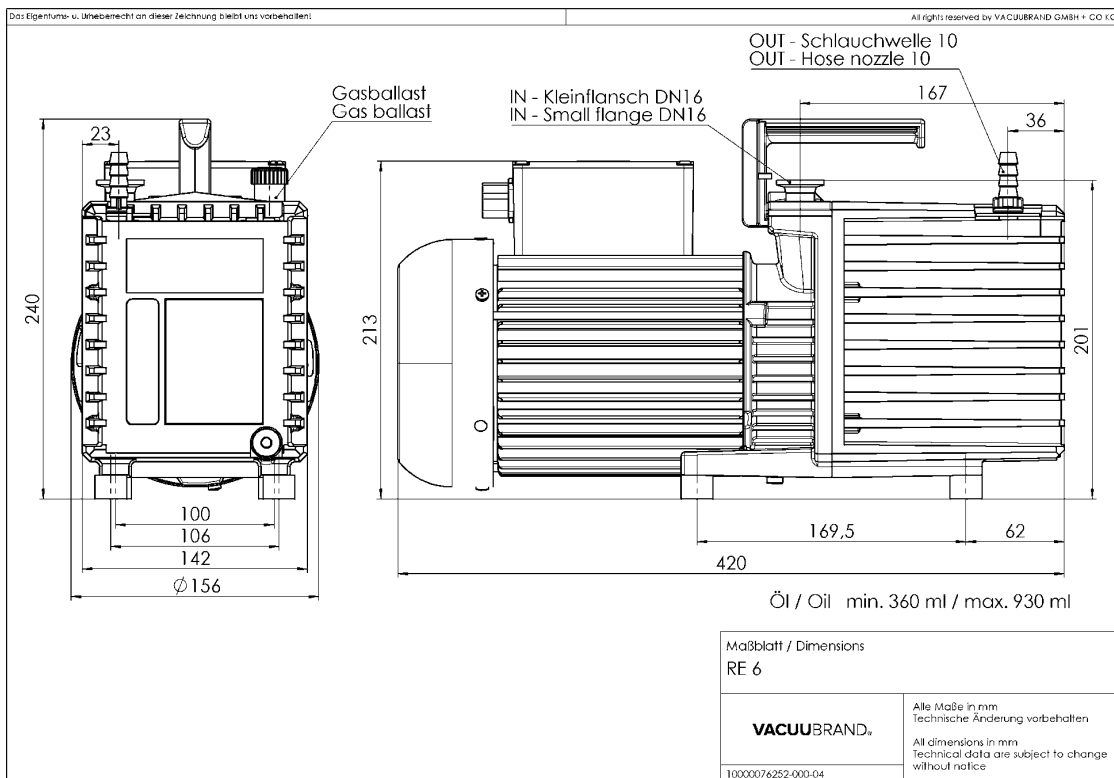
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



## Dimension sheet



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