

Rotary vane pump RE 2.5

[Link to the website](#)



Product description

The one-stage pumps RE 2.5 are high-performance rotary vane pumps with extra compact design and low weight. They are the ideal solution for a wide range of laboratory and process applications that require low ultimate vacuum at medium gas flow rate.

Performance features

- high flow rates even at vacuum levels approaching ultimate vacuum
- 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 2.5	220-230 V 50-60 Hz 100-115 V 50-60 Hz 120 V 60 Hz	US	20797156

Items supplied

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

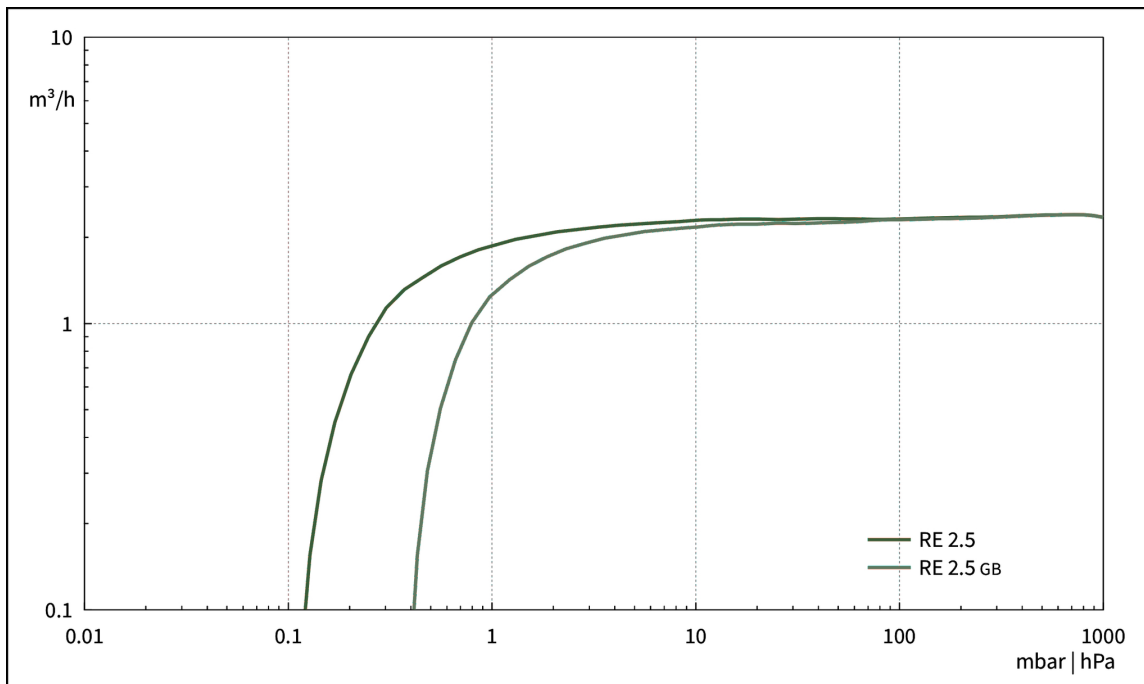
Accessories

- Metal vacuum tubing with small flanges KF DN 16 (20673336)
- Separator inlet side AK for RE/RZ 5/6/2.5 (20698006)
- Oil mist filter outlet side FO R 2/2.5/5/6 (20698003)
- Package fine vacuum control VACUU·SELECT + VACUU·VIEW extended, KF DN 16 (20700100)
- Package fine vacuum control VACUU·SELECT + VSP 3000, KF DN 16 (20700101)
- Vacuum tubing transparent DN 8 mm (20686061)
- Small flange with hose nozzle KF DN 16 / DN 10 mm (20662806)
- Maintenance kit RE 2.5 - RZ 6 (20648977)

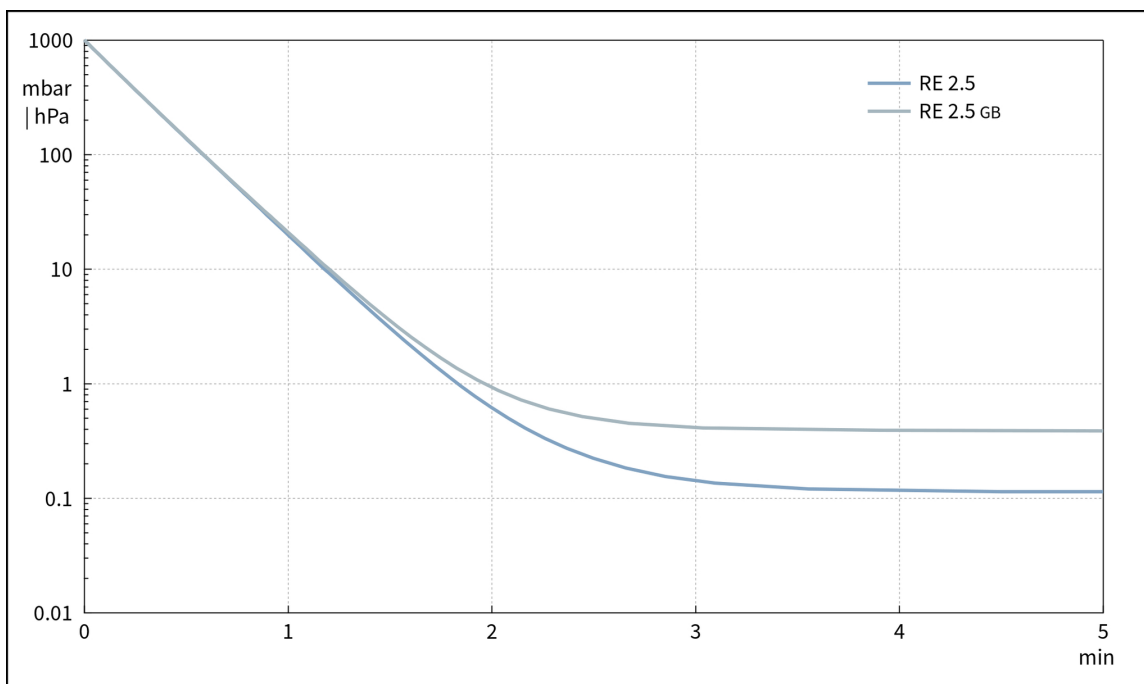
Technical data

Max. pumping speed 50 Hz (mbar)	2.3 m ³ /h
Max. pumping speed 60 Hz (cfm)	1.65 cfm
Ultimate vacuum	3 x 10 ⁻¹ mbar / 2.3 x 10 ⁻¹ torr
Ultimate vacuum with gas ballast	8 x 10 ⁻¹ mbar / 6 x 10 ⁻¹ torr
Ultimate partial vacuum without gas ballast	3 x 10 ⁻¹ mbar / 2.3 x 10 ⁻¹ 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.	0.40 / 1.00 l
Inlet connection	Small flange KF DN 16 / hose nozzle DN 10 mm
Outlet connection	Hose nozzle DN 8-10 mm
Rated motor power	0.1 kW
Rated speed 50/60 Hz	1500/1800 min ⁻¹
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	390 mm x 156 mm x 240 mm
Weight	13.5 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	48 dBA
NRTL certification	Yes

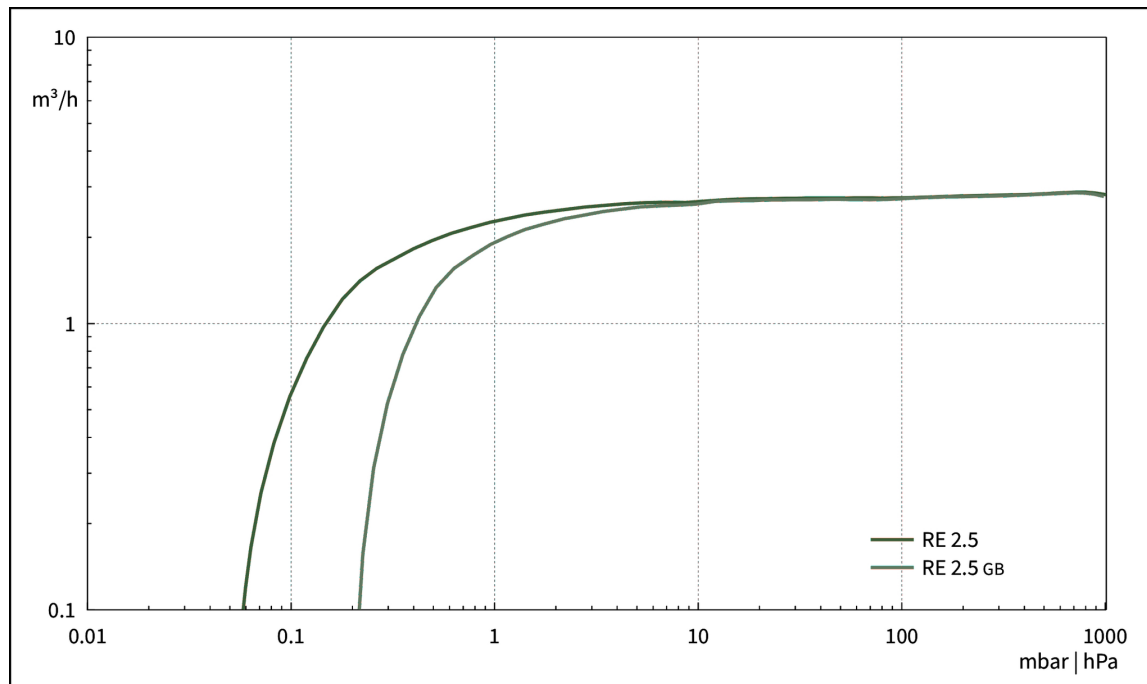
Pumping speed graph at 50 Hz



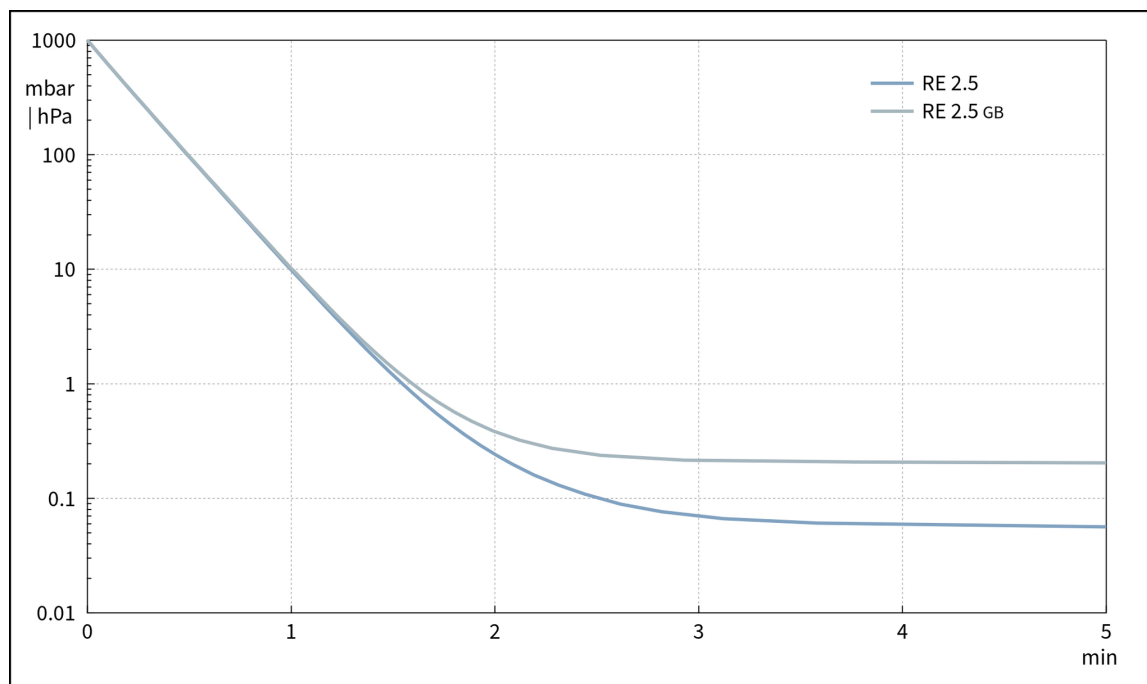
Pump down graph at 50 Hz (10 l volume)



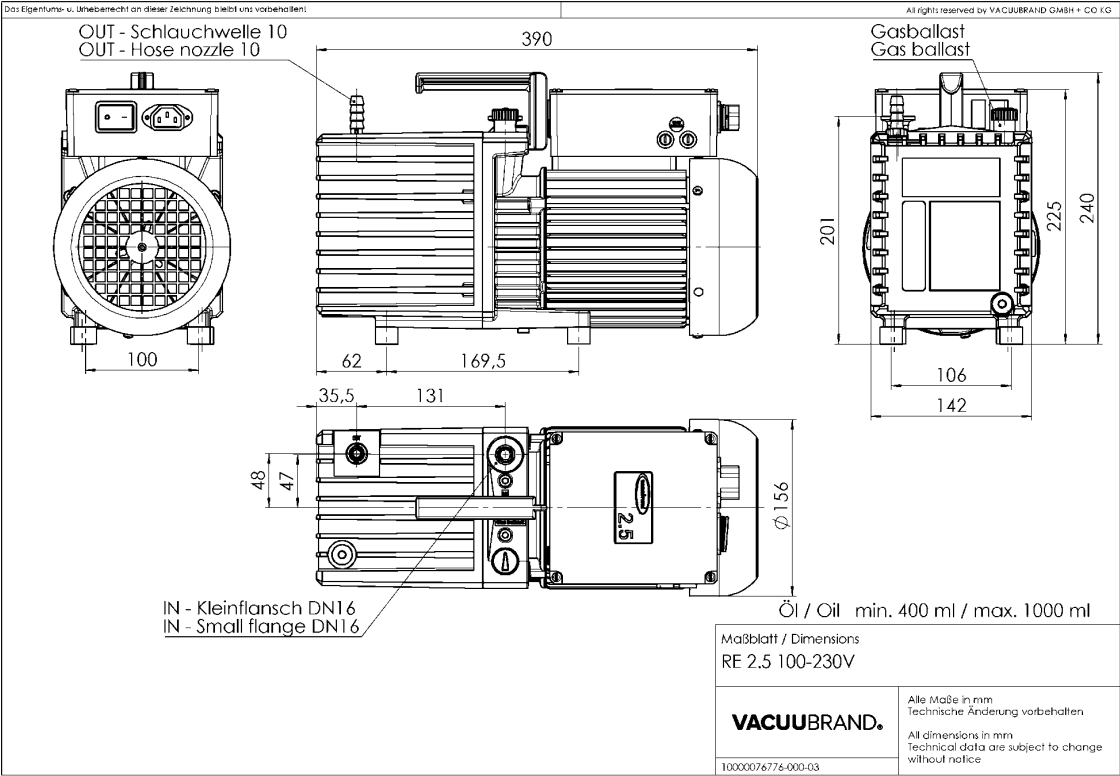
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



Dimension sheet



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