

# Rotary vane pump RE 2.5

Order no.: 20797150

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



## Technical data

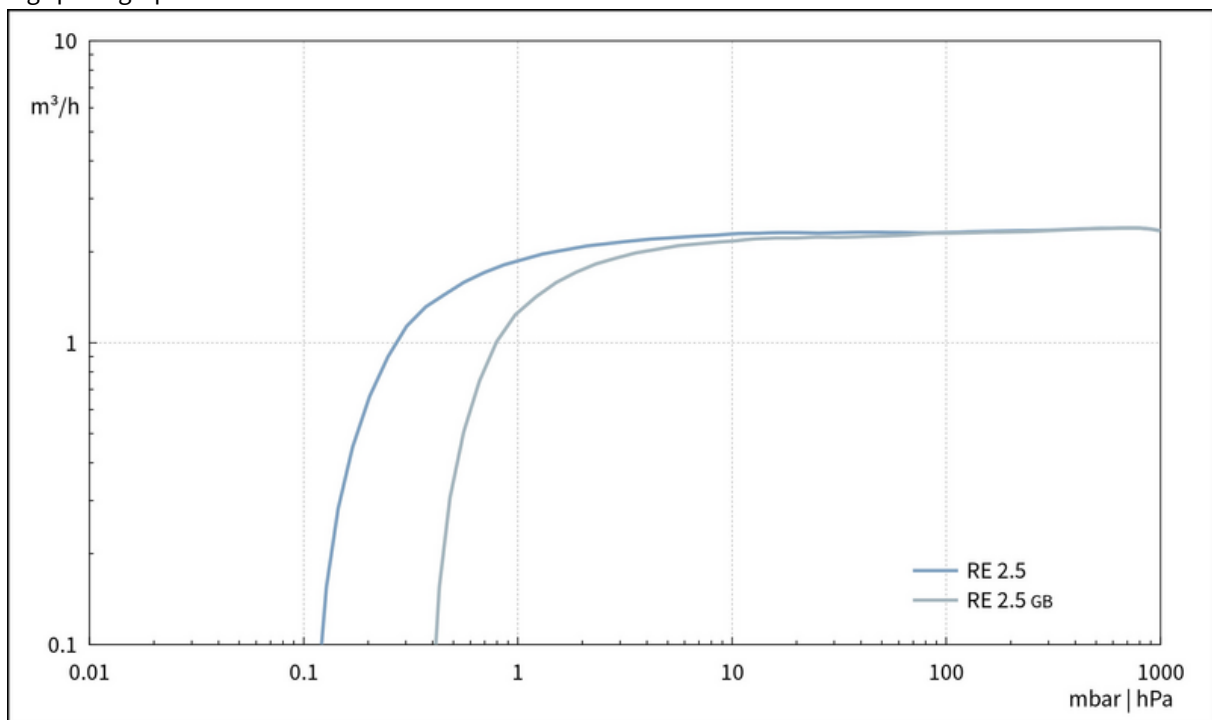
Number of stages		1
Max. pumping speed at 50/60 Hz	m <sup>3</sup> /h	2.3 / 2.8
Max. pumping speed at 50/60 Hz	cfm	1.4 / 1.6
Ultimate partial vacuum (abs.)	mbar	3 x 10 <sup>-1</sup>
Ultimate vacuum (abs.)	mbar/torr	3 x 10 <sup>-1</sup> / 2.3 x 10 <sup>-1</sup>
Ultim. vac. (abs.) with gas ballast	mbar/torr	8 x 10 <sup>-1</sup> / 6 x 10 <sup>-1</sup>
Ambient temperature range (operation)	°C	12 - 40
Ambient temperature range (storage)	°C	-10 - 60
Oil capacity (B-Oil) min./max.	l	0.40 / 1.00
Max. back pressure (abs.)	bar	1.1
Inlet connection		small flange KF DN 16
Outlet connection		Hose nozzle DN 8-10 mm
Rated motor power	kW	0.1
Rated motor speed at 50/60 Hz	min <sup>-1</sup>	1500/1800
Protection class		IP 40
Dimensions (L x W x H), approx.	mm	390 x 156 x 240
Weight, approx.	kg	12.8
Noise level at 50 Hz, typ.	dBA	48
CE mark		Yes

**Items supplied**

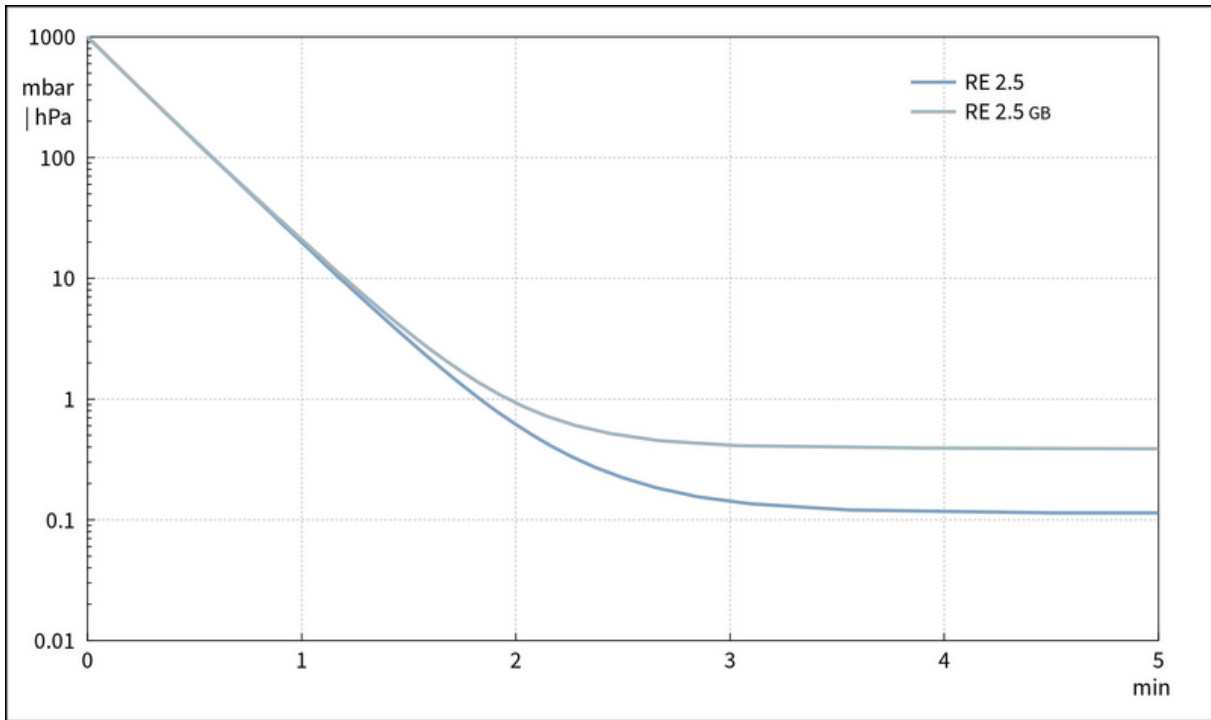
Pump oil filled and completely mounted, ready for use, with manual.

**Accessories**

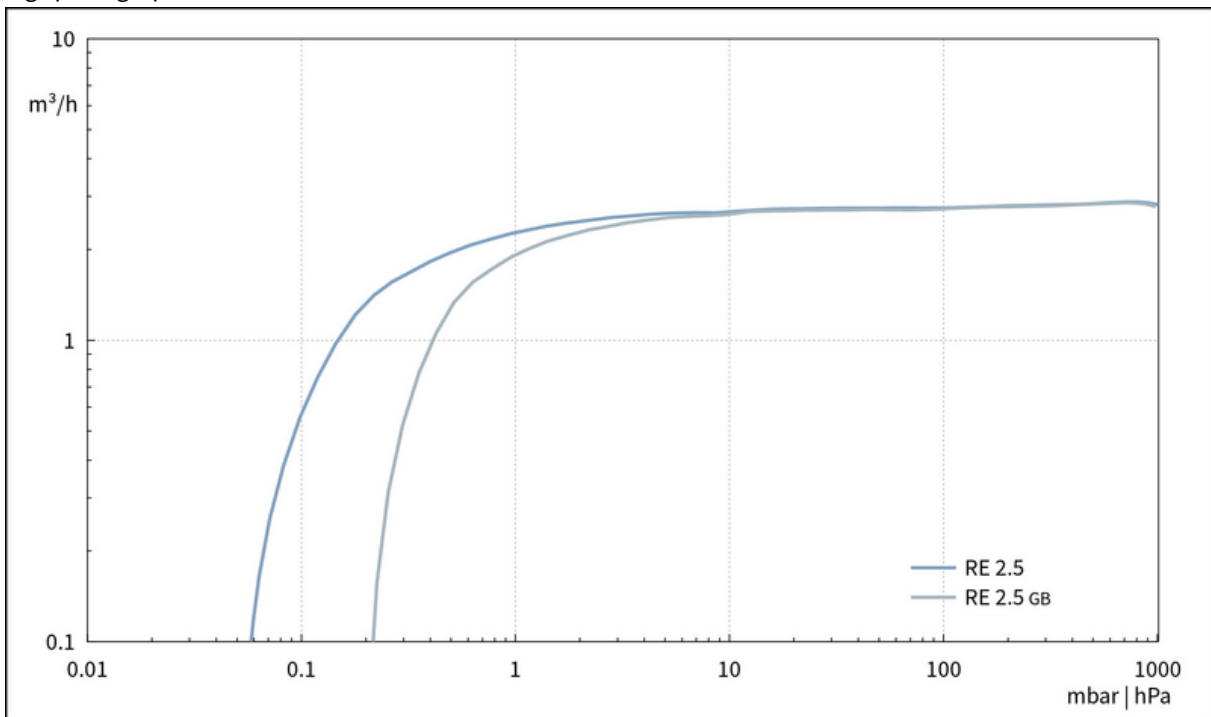
Stainless steel tubing KF DN 16 (1000 mm: 20673336)  
Separator inlet side AK R 2/2.5 (20698000)  
Oil mist filter FO R 2/2.5/5/6 (20698003)  
Package fine vacuum control KF DN 16 (20700100 or 20700101)  
Rubber vacuum tubing DN 8 mm (20686001)  
Small flange KF DN 16 with hose nozzle DN 8-10 mm (20662806)

**Pumping speed graph at 50 Hz**

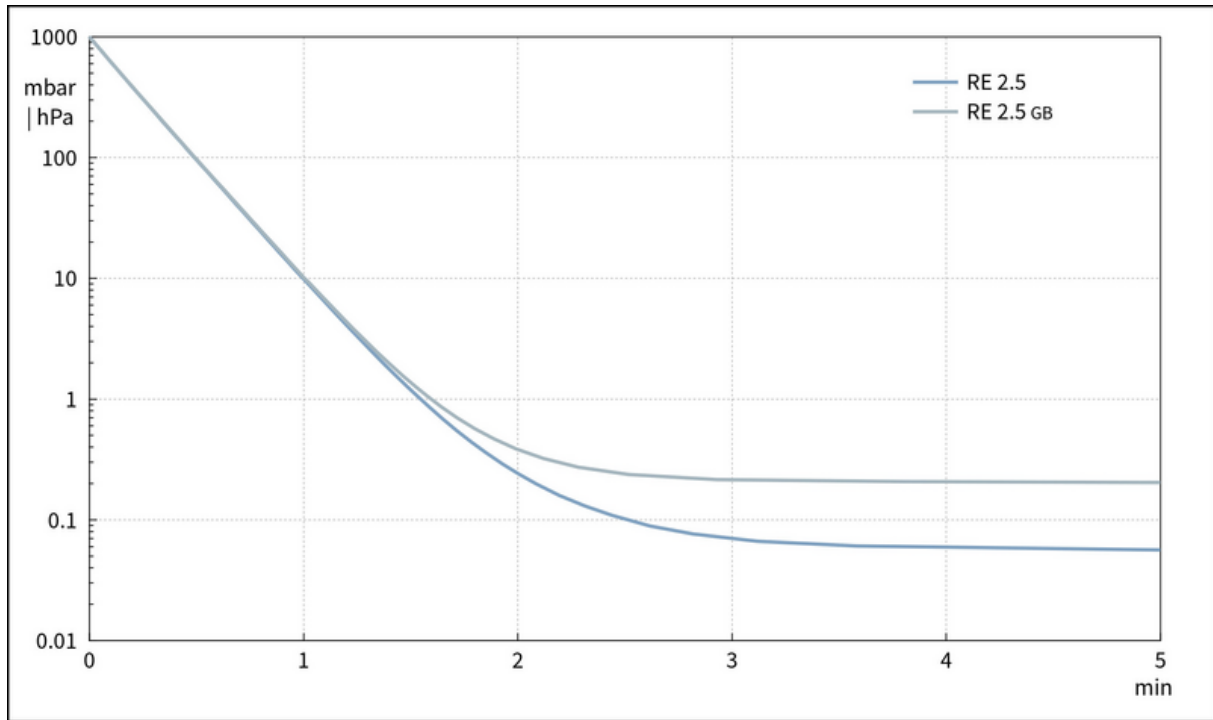
Pump down graph at 50 Hz  
(10 l volume)



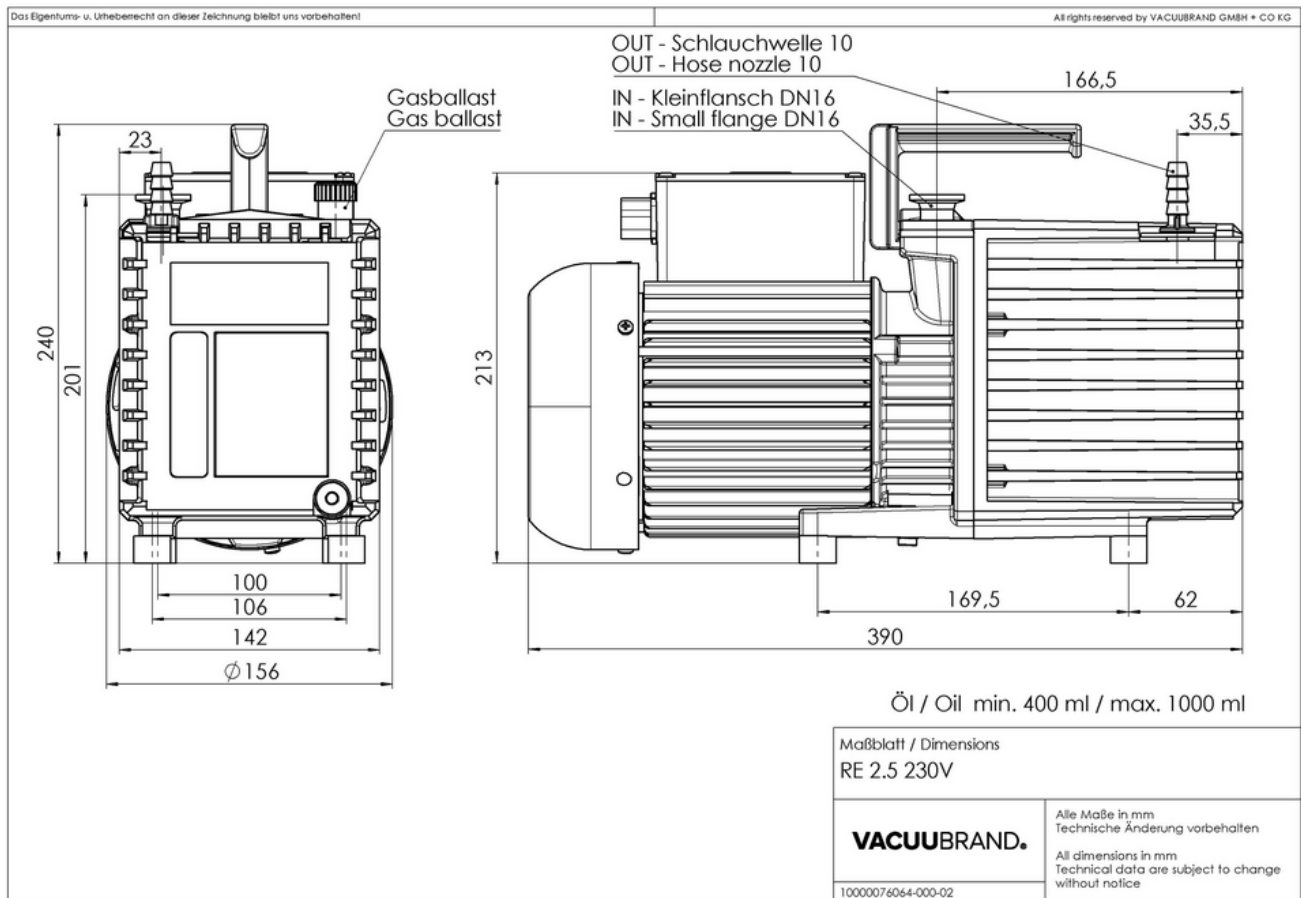
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz  
(10 l volume)



## Dimension sheet



## Ordering data

Product name	Mains voltage and frequency	Plug	Order no.
RE 2.5	230 V~ 50-60 Hz	CEE	20797150