

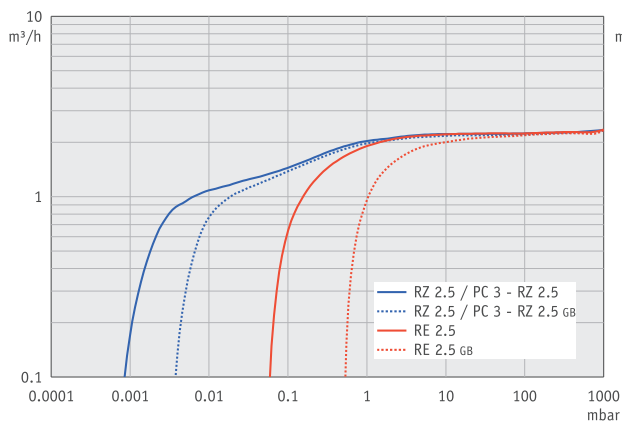
- ✦ high flow rates even at vacuum levels approaching ultimate vacuum
- ✦ high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- ✦ vacuum-tight at switch-off; external anti-suckback valve not needed
- ✦ large oil volume: Long intervals between oil changes
- ✦ ease of maintenance due to telescopic design



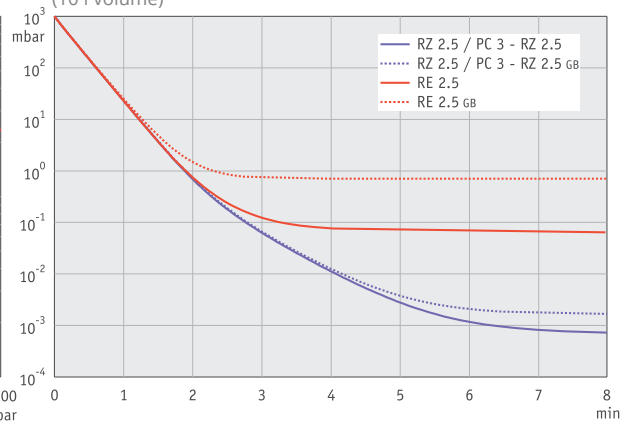
RE 2.5 - RZ 2.5 - PUMPING UNIT PC 3 WITH RZ 2.5

The one-stage RE 2.5 and two-stage RZ 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. The rotary vane pumping unit PC 3 with cold trap (GKF 1000i) at the inlet helps the pump to handle larger volumes of condensable vapors. The pumping unit is compact, user-friendly, and well-arranged, with oil mist filter at the outlet, a valve, and a T-connection for a gauge. The RZ 2.5 is also available combined with the oil mist filter (FO) and the VS 16 valve as a package.

Pumping speed graph at 50 Hz with/without gas ballast



Pump down graph at 50 Hz with/without gas ballast (10 l volume)



Further information and diagrams for 60 Hz mains frequency at [www.vacuubrand.com](http://www.vacuubrand.com)  
 Pumping speeds and pump down times are only for information. Ultimate vacuum specification: See "Technical Data"

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 ROTARY VANE PUMPS AND CHEMISTRY-HYBRID PUMPS
 

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TECHNICAL DATA	RE 2.5	RZ 2.5
Number of stages	1	2
Max. pumping speed at 50/60 Hz	2.3 / 2.8 m <sup>3</sup> /h	2.3 / 2.8 m <sup>3</sup> /h
Ultimate partial vacuum (abs.)	3 x 10 <sup>-1</sup> mbar	4 x 10 <sup>-4</sup> mbar
Ultimate vacuum (abs.)	3 x 10 <sup>-1</sup> mbar	2 x 10 <sup>-3</sup> mbar
Ultim. vac. (abs.) with gas ballast	8 x 10 <sup>-1</sup> mbar	1 x 10 <sup>-2</sup> mbar
Water vapor tolerance with gas ballast	40 mbar	40 mbar
Oil capacity (B-Oil) min./max.	0.18 / 0.51 l	0.1 / 0.28 l
Inlet connection	Small flange KF DN 16	Small flange KF DN 16
Outlet connection	Hose nozzle DN 8-10 mm	Hose nozzle DN 8-10 mm
Rated motor power	0.18 kW	0.18 kW
Rated motor speed at 50/60 Hz	1500/1800	1500/1800
Degree of protection	IP 40	IP 40
Dimensions (L x W x H), approx.	316 x 125 x 190 mm	316 x 125 x 190 mm
Weight, approx.	10.2 kg	11.4 kg

ORDERING INFORMATION	RE 2.5
230 V ~ 50-60 Hz CEE	697150
230 V ~ 50-60 Hz CH, CN	697151
230 V ~ 50-60 Hz UK, IN	697152
100-115 V ~ 50-60 Hz / 120 V ~ 60 Hz	
200-230 V ~ 50-60 Hz* US	**697156

**RE 2.5, RZ 2.5 + PERFLUOROPOLYETHER OIL**

 on request
 

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ORDERING INFORMATION	RZ 2.5
230 V ~ 50-60 Hz CEE	698120
230 V ~ 50-60 Hz CH	698121
230 V ~ 50-60 Hz UK, IN	698122
230 V ~ 50-60 Hz CEE/CN	698127
100-115 V ~ 50-60 Hz / 120 V ~ 60 Hz	
200-230 V ~ 50-60 Hz* US	**698126

ORDERING INFORMATION	PC 3 / RZ 2.5
230 V ~ 50-60 Hz CEE	699890

ORDERING INFORMATION	RZ 2.5 +FO +VS 16
230 V ~ 50-60 Hz CEE	698029

**ACCESSORIES**

Stainless steel tubing KF DN 16 (1000 mm: 673336)  
 Separator inlet side AK R 2/2.5 (698000)  
 Oil mist filter FO R 2/2.5/5/6 (698003)  
 Package fine vacuum control KF DN 16 (683201)  
 Rubber vacuum tubing DN 8 mm (686001)  
 Small flange KF DN 16 with hose nozzle DN 8-10 mm (662806)

**ITEMS SUPPLIED**

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

\* With NRTL certification for Canada and the USA

\*\* Country specific power cable, please order separately if needed