

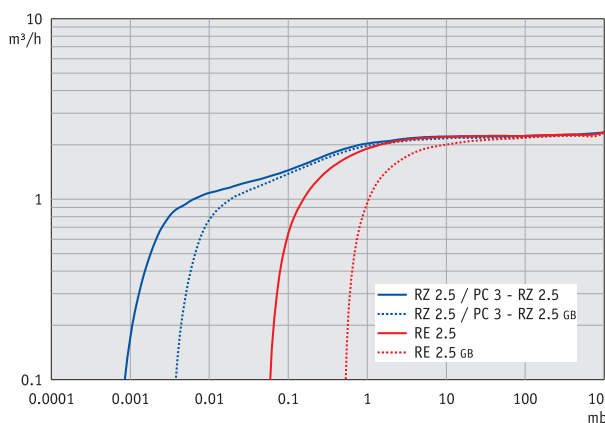
- ✦ high flow rates even at vacuum levels approaching ultimate vacuum
- ✦ high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- ✦ vacuum-tight at switch-off; external anti-suckback valve not needed
- ✦ large oil volume: Long intervals between oil changes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



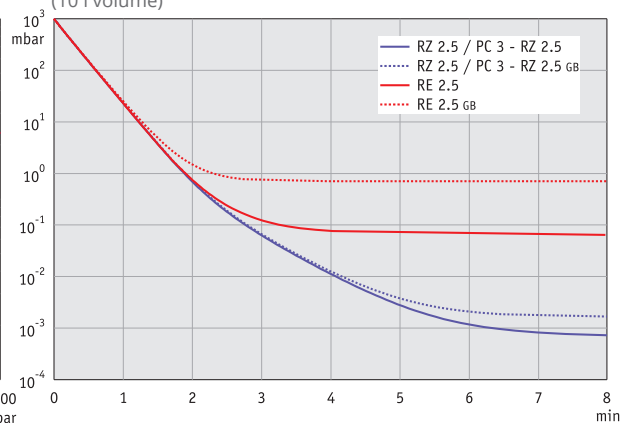
RE 2.5 - RZ 2.5 - PUMPING UNIT PC 3 WITH RZ 2.5

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
Pumping speeds and pump down times are only for information. Ultimate vacuum specification: See "Technical Data"

ROTARY VANE PUMPS AND CHEMISTRY-HYBRID PUMPS

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 ³ /h	2.3 / 2.8 m ³ /h
Ultimate partial vacuum (abs.)	3 x 10 ⁻¹ mbar	4 x 10 ⁻⁴ mbar
Ultimate vacuum (abs.)	3 x 10 ⁻¹ mbar	2 x 10 ⁻³ mbar
Ultim. vac. (abs.) with gas ballast	8 x 10 ⁻¹ mbar	1 x 10 ⁻² 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

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
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ORDERING INFORMATION

RZ 2.5 +FO +VS 16

230 V ~ 50-60 Hz	CEE	698029
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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

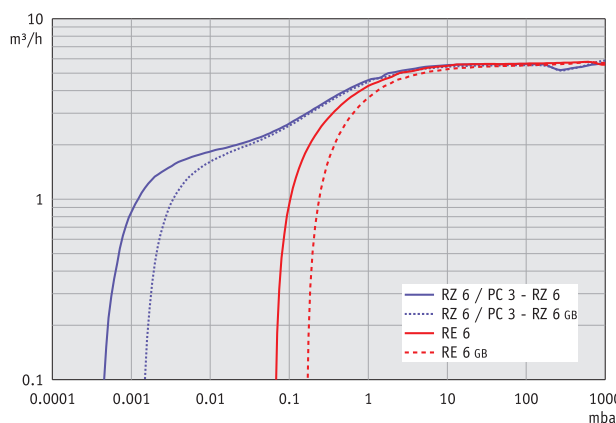
- high flow rates even at vacuum levels approaching ultimate vacuum
- high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- vacuum-tight at switch-off; external anti-suckback valve not needed
- large oil volume: Long intervals between oil changes
-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



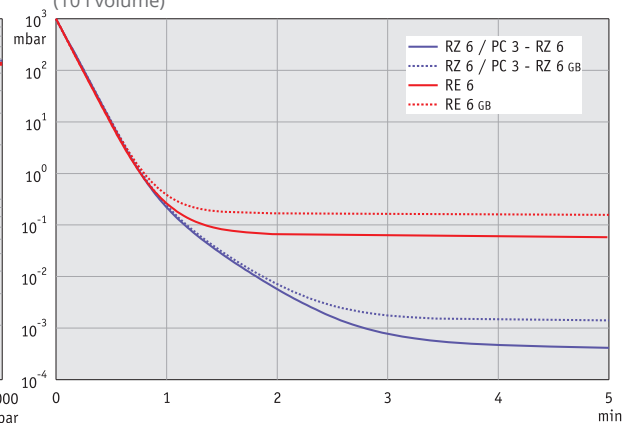
RE 6 - RZ 6 - PUMPING UNIT PC 3 WITH RZ 6

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 PC 3 rotary vane pumping unit, with GKF 1000i cold trap at the inlet, helps the pump to handle large amounts of condensable vapors. The PC 3 pumping unit is compact, user-friendly and well-arranged, with an oil mist filter at the outlet, a valve and a T-connection for a gauge. Various packages including pump, oil mist filter, etc. are available.

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
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ROTARY VANE PUMPS AND CHEMISTRY-HYBRID PUMPS

TECHNICAL DATA

	RE 6	RZ 6
Number of stages	1	2
Max. pumping speed at 50/60 Hz	5.7 / 6.8 m ³ /h	5.7 / 6.8 m ³ /h
Ultimate partial vacuum (abs.)	1 x 10 ⁻¹ mbar	4 x 10 ⁻⁴ mbar
Ultimate vacuum (abs.)	1 x 10 ⁻¹ mbar	2 x 10 ⁻³ mbar
Ultim. vac. (abs.) with gas ballast	6 x 10 ⁻¹ mbar	1 x 10 ⁻² mbar
Water vapor tolerance with gas ballast	40 mbar	40 mbar
Oil capacity (B-Oil) min./max.	0.36 / 0.93 l	0.34 / 0.73 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	0.3 kW	0.3 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.	370 x 142 x 207 mm	370 x 142 x 207 mm
Weight, approx.	15.4 kg	16.4 kg

ORDERING INFORMATION

	RE 6
230 V ~ 50-60 Hz CEE	697160
230 V ~ 50-60 Hz CH, CN	697161
230 V ~ 50-60 Hz UK, IN	697162
100-120 V ~ 50-60 Hz /	
200-230 V ~ 50-60 Hz* US	**697166

ORDERING INFORMATION

RZ 6 +FO +VS 16

230 V ~ 50-60 Hz CEE	698039
230 V ~ 50-60 Hz CH, CN	698009
230 V ~ 50-60 Hz UK	698059

PACKAGES FOR ROTARY

RE 6, RZ 6 + PERFLUOROPOLYETHER OIL

on request

RZ 6 +FO +VS 16 +VACUU-VIEW EXTENDED

230 V ~ 50-60 Hz CEE	698160
230 V ~ 50-60 Hz CH, CN	698161

ORDERING INFORMATION

	RZ 6
230 V ~ 50-60 Hz CEE	698130
230 V ~ 50-60 Hz CH	698131
230 V ~ 50-60 Hz UK, IN	698132
400 V ~ 50 Hz 3 Ph. CEE	698135
230 V ~ 50-60 Hz CEE/CN	698138
100-120 V ~ 50-60 Hz /	
200-230 V ~ 50-60 Hz* US	**698136

ACCESSORIES

Stainless steel tubing KF DN 16 (1000 mm: 673336)
 Separator inlet side AK R 5/6 (698006)
 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.

ORDERING INFORMATION

	PC 3 / RZ 6
230 V ~ 50-60 Hz CEE	699893

* With NRTL certification for Canada and the USA

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

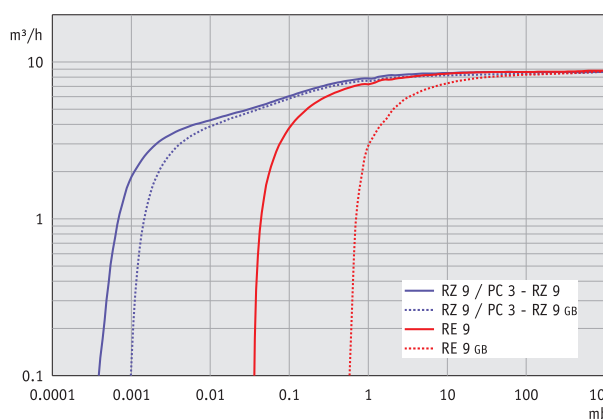
- very high flow rates even at vacuum levels approaching ultimate vacuum
- high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- vacuum-tight at switch-off; external anti-suckback valve not needed
- large oil volume: Long intervals between oil changes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



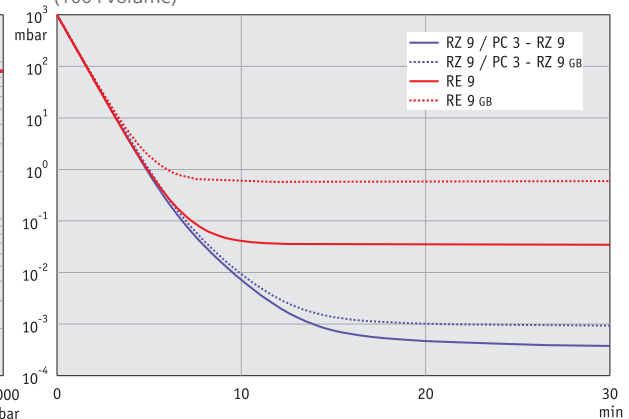
RE 9 - RZ 9 - PUMPING UNIT PC 3 WITH RZ 9

The powerful mid-size one-stage RE 9 and two-stage RZ 9 rotary vane pumps are the ideal solution for a wide range of laboratory and process applications that require high pumping speed. The PC 3 rotary vane pumping unit, with the GKF 1000i cold trap at the inlet, helps the pump to handle large amounts of condensable vapors. The PC 3 pumping unit is compact, user-friendly, and well-arranged, with an oil mist filter at the outlet, a valve, and a T-connection for a vacuum gauge.

Pumping speed graph at 50 Hz
with/without gas ballast



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



Further information and diagrams for 60 Hz mains frequency at www.vacuubrand.com
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ROTARY VANE PUMPS AND CHEMISTRY-HYBRID PUMPS

TECHNICAL DATA

	RE 9	RZ 9
Number of stages	1	2
Max. pumping speed at 50/60 Hz	8.9 / 10.2 m ³ /h	8.9 / 10.2 m ³ /h
Ultimate partial vacuum (abs.)	1 x 10 ⁻¹ mbar	4 x 10 ⁻⁴ mbar
Ultimate vacuum (abs.)	1 x 10 ⁻¹ mbar	2 x 10 ⁻³ mbar
Ultim. vac. (abs.) with gas ballast	6 x 10 ⁻¹ mbar	1 x 10 ⁻² mbar
Water vapor tolerance with gas ballast	40 mbar	40 mbar
Oil capacity (B-Oil) min./max.	0.4 / 1.4 l	0.2 / 0.8 l
Inlet connection	Small flange KF DN 25	Small flange KF DN 25
Outlet connection	Small flange KF DN 25	Small flange KF DN 25
Rated motor power	0.37 kW	0.37 kW
Rated motor speed at 50/60 Hz	1500/1800 min ⁻¹	1500/1800 min ⁻¹
Degree of protection	IP 40	IP 40
Dimensions (L x W x H), approx.	460 x 152 x 232 mm	460 x 152 x 232 mm
Weight, approx.	21.4 kg	24.2 kg

ORDERING INFORMATION

RE 9

230 V ~ 50-60 Hz	CEE	697170
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ORDERING INFORMATION

RZ 9

230 V ~ 50-60 Hz	CEE	698140
230 V ~ 50-60 Hz	CH, CN	698141
230 V ~ 50-60 Hz	UK, IN	698142
120 V ~ 60 Hz	US	698143
400 V ~ 50 Hz 3 Ph.	CEE	698145

ACCESSORIES

Stainless steel tubing KF DN 25 (1000 mm: 673337)
 Separator inlet side AK R 8/9/16 (698007)
 Oil mist filter FO R 8/9/16 (698017)
 Inline oil filter HF R 8/9/16, until 06/2016 (698010)
 Package fine vacuum control KF DN 25 (683202)

ORDERING INFORMATION

PC 3 / RZ 9

230 V ~ 50-60 Hz	CEE	699895
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ITEMS SUPPLIED

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