

ROTARY VANE PUMP RE 6, RZ 6 AND PUMPING UNIT PC 3 WITH RZ 6

- 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. The PC 3 rotary vane pumping unit, with GKF 1000i cold trap at the inlet, helps the pump 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.

RZ 6
5.7 m³/h
2 x 10⁻³ mbar



PC 3 / RZ 6
5.7 m³/h
2 x 10⁻³ mbar

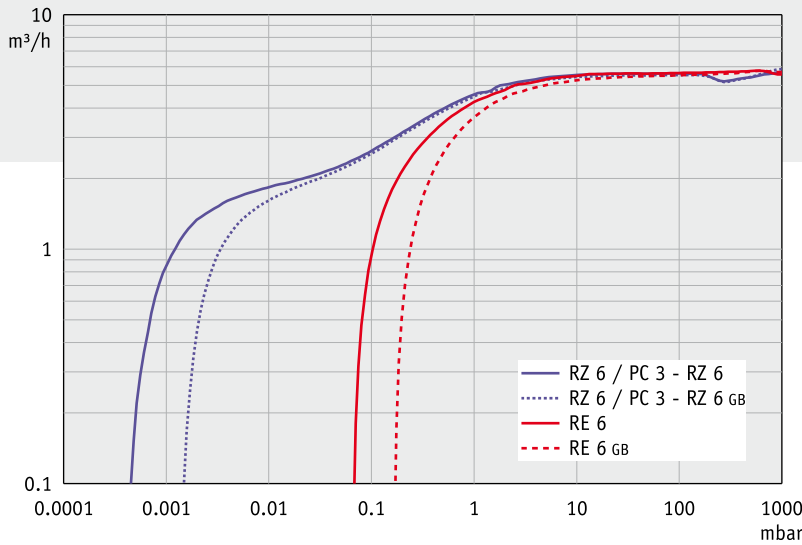


PERFORMANCE FEATURES

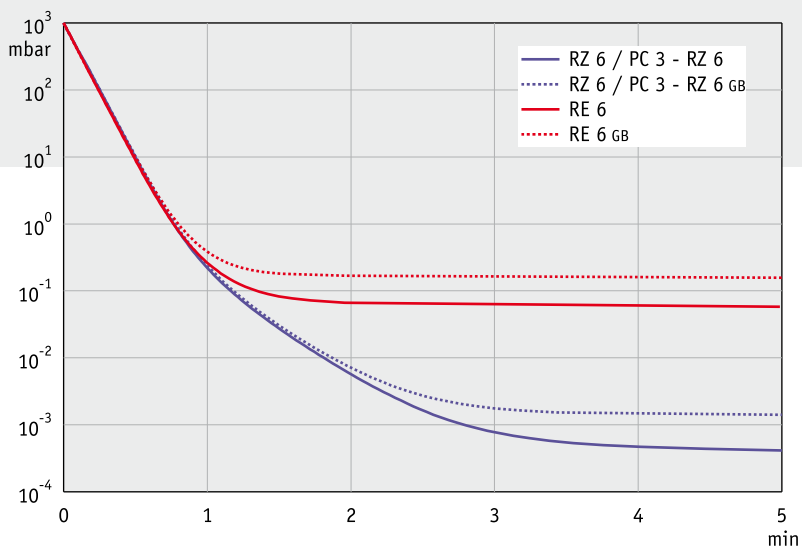
- high flow rates even at vacuum levels approaching ultimate vacuum
- high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- vacuum-tight at switch-off; external anti-suckback valve not needed
- large oil volume: Long intervals between oil changes
-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

APPLICATIONS

Rotary vane pumps are used where an ultimate vacuum between a few mbar and down to 10⁻³ mbar has to be attained. Typical applications are degassing, lyophilization, fine vacuum distillation, and drying chambers. The pumping unit PC 3 is the perfect choice for applications requiring special protection of pump and environment. Designed for the use in chemical laboratories, the cold trap helps the pumps handle large volumes of condensable vapors. The cold trap is metalized for extended coolant life and protected against implosion.



Pumping speed graph at 50 Hz with/without gas ballast



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

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

TECHNICAL DATA	RE 6	RZ 6
Number of stages	1	2
Max. pumping speed at 50/60 Hz	m³/h 5.7/6.8	5.7/6.8
Ultimate partial vacuum (abs.)	mbar 1×10^{-1}	4×10^{-4}
Ultimate vacuum (abs.)	mbar 1×10^{-1}	2×10^{-3}
Ultim. vac. (abs.) with gas ballast	mbar 6×10^{-1}	1×10^{-2}
Water vapor tolerance	mbar 40	40
Oil capacity (B-Oil) min / max	L 0.36 / 0.93	0.34 / 0.73
Inlet connection (IN)	Small flange KF DN 16	Small flange KF DN 16
Outlet connection (EX)	Hose nozzle DN 10 mm	Hose nozzle DN 10 mm
Rated motor power	kW 0.3	0.3
Rated speed at 50/60 Hz	min ⁻¹ 1500/1800	1500/1800
Degree of protection	IP 40	IP 40
Dimensions (L x W x H)	mm 370 x 142 x 207	370 x 142 x 207
Weight	kg 15.4	16.4

ORDERING INFORMATION	RZ 6 +FO +VS 16 +Set DCP+VSP 3000	
230 V ~ 50-60 Hz	CEE	698150
230 V ~ 50-60 Hz	CH	698151

ORDERING INFORMATION	RE 6	
230 V ~ 50-60 Hz	CEE	697160
230 V ~ 50-60 Hz	CH	697161
230 V ~ 50-60 Hz	UK	697162
120 V ~ 60 Hz	US	697163

ORDERING INFORMATION	RZ 6	
230 V ~ 50-60 Hz	CEE	698130
230 V ~ 50-60 Hz	CH	698131
230 V ~ 50-60 Hz	UK	698132
120 V ~ 60 Hz	US	698133
400 V ~ 50 Hz 3 ph.	CEE	698135

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

ORDERING INFORMATION	RZ 6 +FO +VS 16	
230 V ~ 50-60 Hz	CEE	698039
230 V ~ 50-60 Hz	CH	698009

- ACCESSORIES**
- Rubber vacuum tubing DN 10 mm (686002)
 - 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)

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