

ROTARY VANE PUMP RE 9, RZ 9 AND 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 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.

RZ 9
8.9 m³/h
2 x 10⁻³ mbar



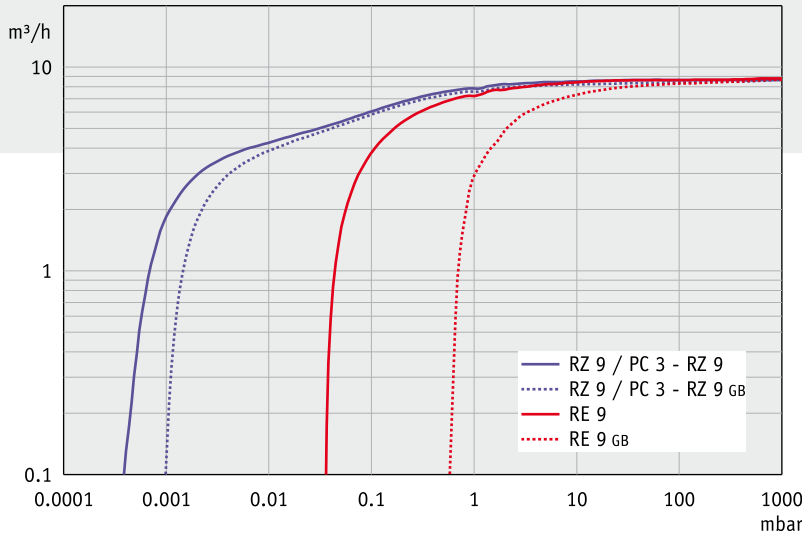
PC 3 / RZ 9
8.9 m³/h
2 x 10⁻³ mbar

PERFORMANCE FEATURES

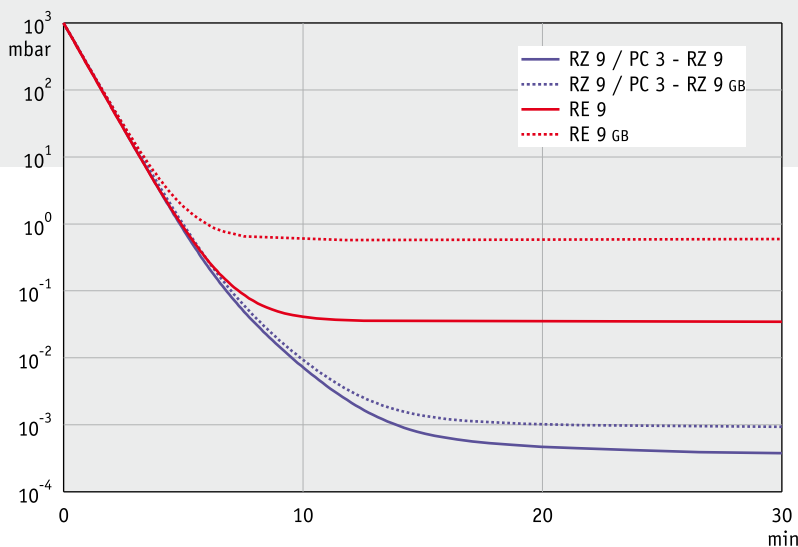
- very high flow rates even at vacuum levels approaching ultimate vacuum
- high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- vacuum-tight at switch-off; external anti-suckback valve not needed
- large oil volume: Long intervals between oil changes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

APPLICATIONS

Typical applications are lyophilization, fine vacuum distillation, drying chambers, fast evacuation of vessels, and the pumping of large amounts of vapor. The PC 3 pumping unit 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 pump handle large amounts 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 (100 l volume)

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

TECHNICAL DATA	RE 9	RZ 9	ORDERING INFORMATION	RE 9
Number of stages	1	2	230 V ~ 50-60 Hz	CEE 697170
Max. pumping speed 50/60 Hz	m³/h 8.9/10.2	8.9/10.2	ORDERING INFORMATION	RZ 9
Ultimate partial vacuum (abs.)	mbar 1×10^{-1}	4×10^{-4}	230 V ~ 50-60 Hz	CEE 698140
Ultimate vacuum (abs.)	mbar 1×10^{-1}	2×10^{-3}	230 V ~ 50-60 Hz	CH 698141
Ultim. vac. (abs.) with gas ballast	mbar 6×10^{-1}	1×10^{-2}	230 V ~ 50-60 Hz	UK 698142
Water vapor tolerance	mbar 40	40	120 V ~ 60 Hz	US 698143
Oil capacity (B-Oil) min / max	l 0.4 / 1.4	0.2 / 0.8	400 V ~ 50 Hz 3 ph.	CEE 698145
Inlet connection (IN)	Small flange KF DN 25	Small flange KF DN 25	ORDERING INFORMATION	PC 3 / RZ 9
Outlet connection (EX)	Small flange KF DN 25	Small flange KF DN 25	230 V ~ 50-60 Hz	CEE 699895
Rated motor power	kW 0.37	0.37	ACCESSORIES	
Rated speed at 50/60 Hz	min ⁻¹ 1500/1800	1500/1800	Stainless steel tubing KF DN 25 (1000 mm: 673337)	
Degree of protection	IP 40	IP 40	Separator inlet side AK R 8/9/16 (698007)	
Dimensions (L x W x H)	mm 460 x 152 x 232	460 x 152 x 232	Oil mist filter FO R 8/9/16 (698017)	
Weight	kg 21.4	24.2	Inline oil filter HF R 8/9/16 (698010)	

ITEMS SUPPLIED

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

Connect With Us
