

R 5

Rotary Vane Vacuum Pumps
RB/RC 0021 C

ENERGOEKONOM

spol. s r.o.



Robustness and reliability

are the outstanding characteristics of R 5 rotary vane vacuum pumps, some of the reasons why proven Busch technology has long been established as the industry standard. Over two million R 5 vacuum pumps are in daily use worldwide.

Operationally reliable and economical

Rotary vane technology has been continuously developed and optimised by Busch for 50 years, with a constant focus on both reliability and economy.

Application-oriented

R 5 vacuum pumps are characterised by high pumping speeds - even in low pressure ranges - and consequently rapid evacuation times. They feature highly durable rotor vanes, ensuring long service life. The specifically designed exhaust filters provide excellent oil separation.

Simple Maintenance

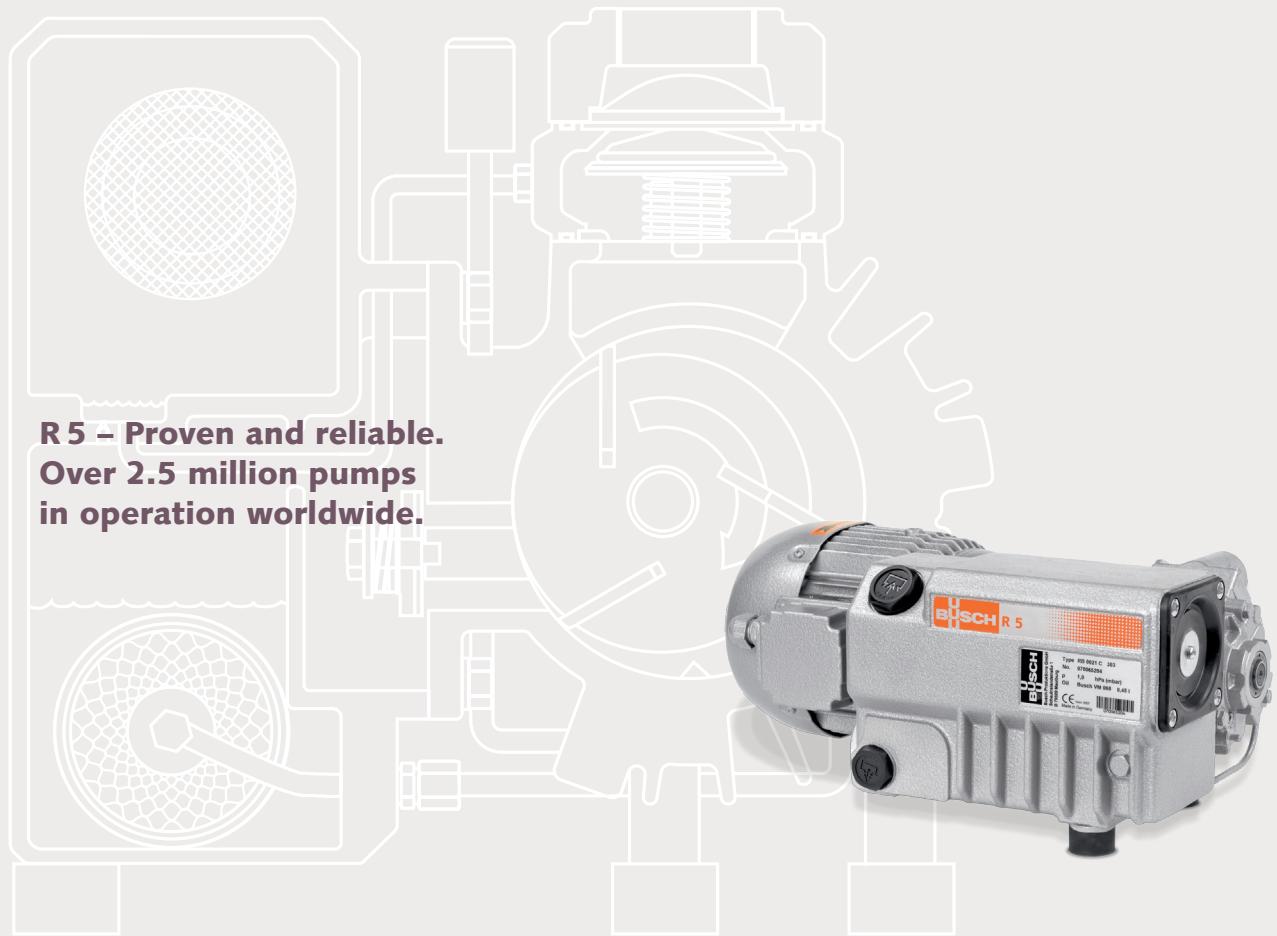
Maintenance can easily be carried out by the operator. Apart from oil changes and exhaust filter replacement at recommended intervals, no additional servicing is required.

R 5 rotary vane vacuum pumps are known throughout the industry for modern and energy-efficient vacuum generation in a wide range of applications – whether for intermittent or continuous use, you can rely on the R 5.

The R 5 series includes many more models than described here. Special versions of the R 5 are available for applications such as the extraction of saturated gases and vapours, oxygen and explosive gases.



**R 5 – Proven and reliable.
Over 2.5 million pumps
in operation worldwide.**



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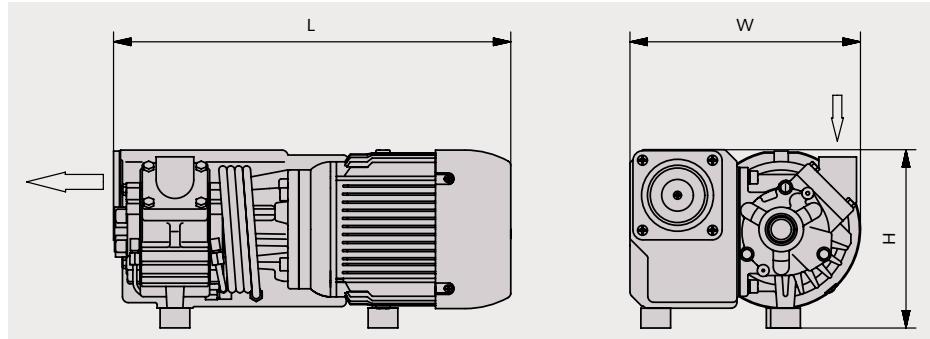
Technical specifications

The rotary vane technology permits a technically simple vacuum pump design. The consistently high vacuum level in continuous operation is ensured by recirculating oil lubrication, perfectly coordinated materials and state-of-the-art precision manufacturing. An oil separator is included as standard equipment, ensuring clean and oil-free exhaust air by means of a sophisticated extractor system with an integrated oil return. When fitted with a gas-ballast valve (optional), even large quantities of vapour can be extracted. A non-return valve in the inlet flange prevents air from flowing back into the vacuum chamber when the vacuum pump is switched off. The pump is driven by a highly efficient flange-mounted standard motor.

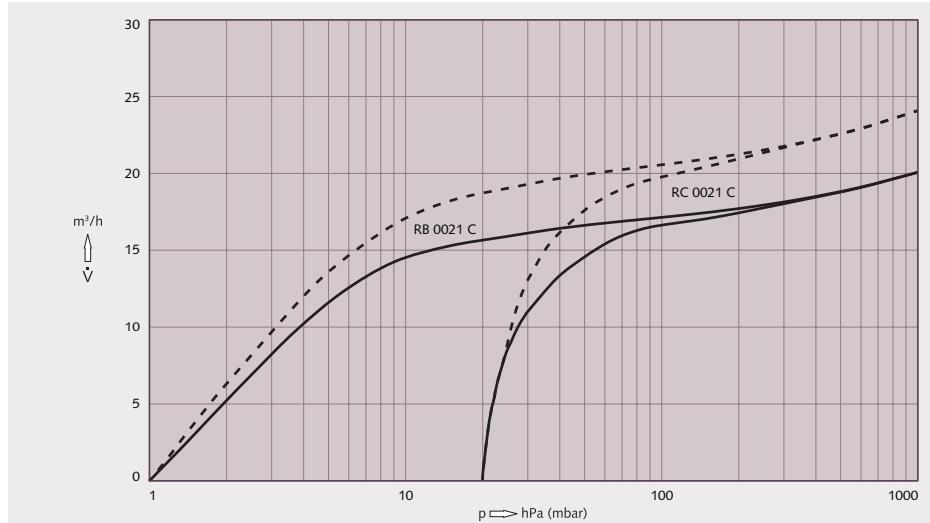
Accessories/technical options

- Gas-ballast valve
- Various inlet filters
- Filter resistance pressure gauge
- Oil level switch
- Vacuum regulating unit
- Vacuum pump oils for all applications

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Pumping speed Air at 20 °C. Tolerance: $\pm 10\%$ — 50 Hz ----- 60 Hz



Technical Data		RB 0021 C		RC 0021 C
Nominal pumping speed	50 Hz / 60 Hz	m^3/h	20 / 24	20 / 24
Ultimate pressure	50 Hz / 60 Hz	hPa (mbar)	1.0	20.0
Nominal motor rating	50 Hz / 60 Hz	kW	0.75 / 0.75	0.75 / 0.75
Nominal motor speed	50 Hz / 60 Hz	min ⁻¹	3000 / 3600	3000 / 3600
Noise level (ISO 2151)	50 Hz / 60 Hz	dB(A)	66 / 72	66 / 72
Oil capacity		l	0.45	0.45
Weight approx.		kg	20	20
Dimensions	L x W x H	mm	401 x 229 x 180	401 x 229 x 180
Gas inlet			G 1/2"	G 1/2"

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Technical data is subject to change. Created in Germany 04/0