

# R 5

## Rotary Vane Vacuum Pumps KB 0010/0016 E



KB series vacuum pumps are part of the Busch family of proven R 5 rotary vane vacuum pumps. They are characterised by compact construction and high performance, and are designed for installation in confined spaces.

**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-optimised**  
KB series R 5 rotary vane vacuum pumps are extremely compact due to their integrated motor and transmission, making them the ideal choice for fixed installations. They feature highly durable rotor vanes as standard, ensuring long service life. The specifically designed exhaust filters provide excellent oil separation, removing even the finest oil droplets from the exhaust air.

### Simple Maintenance

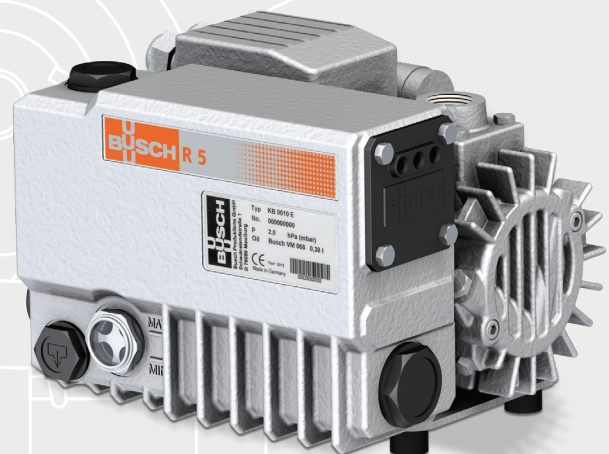
Maintenance can easily be carried out by the operator. Apart from oil changes and exhaust filter replacement at recommended intervals, no additional servicing is required.

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 the compact sizes 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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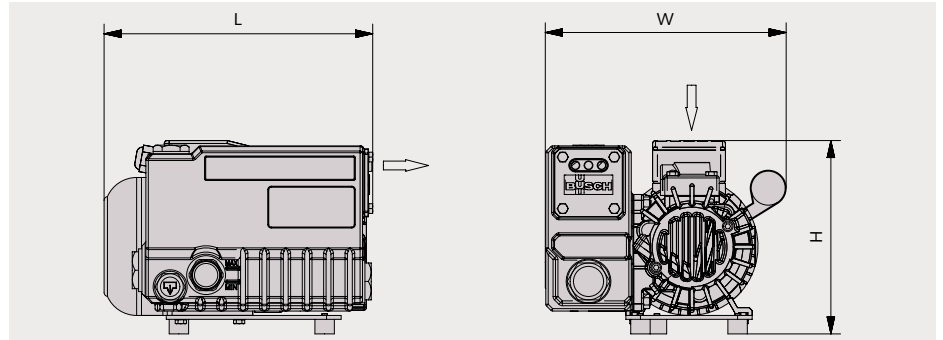
### Technical specifications

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

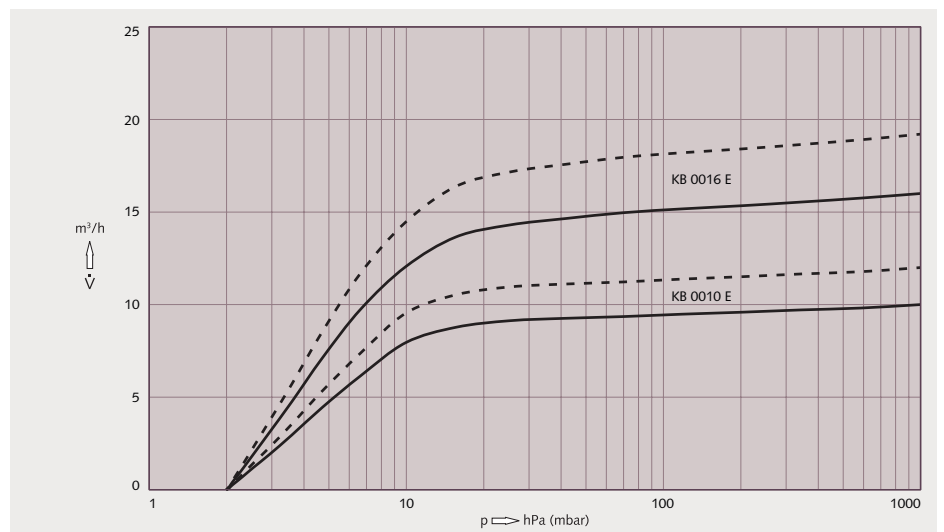
- Gas-ballast valve
- Various inlet filters
- Filter resistance pressure gauge
- Oil level switch
- Vacuum regulating unit
- Vacuum pump oils for all applications

### R5 KB 0010/0016 E



### Pumping speed

Air at 20 °C. Tolerance: ± 10% — 50 Hz - - - - 60 Hz



Technical Data		KB 0010 E		KB 0016 E	
Nominal pumping speed	50 Hz / 60 Hz	m <sup>3</sup> /h	10 / 12	16 / 19	
Ultimate pressure	50 Hz / 60 Hz	hPa (mbar)	2	2	
Nominal motor rating	50 Hz / 60 Hz	kW	0.37 / 0.37	0.55 / 0.55	
Nominal motor speed	50 Hz / 60 Hz	min <sup>-1</sup>	3000 / 3600	3000 / 3600	
Noise level (ISO 2151)	50 Hz / 60 Hz	dB(A)	63 / 67	64 / 68	
Oil capacity		l	0,3	0,3	
Weight approx.		kg	16	18	
Dimensions	L x W x H	mm	271 x 218 x 201	301 x 217 x 201	
Gas inlet			G ¾"	G ¾"	

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Technical data is subject to change. Created in Germany 04/00