

R 5

Rotary Vane Vacuum Pump RA 0155 A



Greater energy efficiency, greater output: this is the philosophy of the RA 0155 A. Thanks to a slightly modified design concept, the RA 0155 A – representing the fifth generation of the proven R 5 series – delivers tangible improvements in energy efficiency.

Fast evacuation times

With the fastest evacuation times in its class, the RA 0155 A also offers the advantages which the R 5 is very well known for. As always, you can expect operational reliability and robustness as standard.

The RA 0155 A is the ideal vacuum generator for continuous operation in the rough vacuum range, for pumping of large volumes and when working at ultimate pressure. This is ensured by the perfect oil separation which uses Busch exhaust filters developed in-house and the hard-wearing Busch vanes made from special composites material.

Easy maintenance

The advantages also include easy maintenance, which can be carried out by the operator. Apart from changing the oil and replacing the filters at standard service intervals, no additional maintenance is required.

R 5 rotary vane vacuum pumps are well known in nearly all areas of industry for their economical vacuum generation – whether used intermittently or round the clock: you can rely on the R 5.

Special versions of the R 5 are available for special applications such as pumping of oxygen.

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



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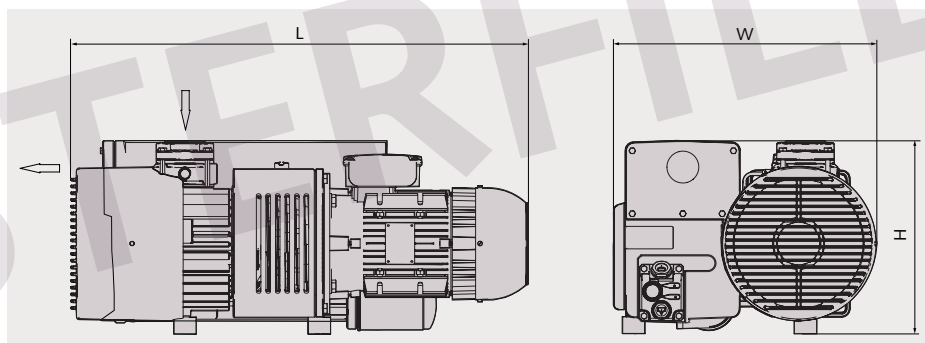
Technical specifications

The rotary vane technology enables technically simple assembly of the vacuum pumps. The consistently high vacuum level in continuous operation is guaranteed by the circulating oil lubrication, perfectly coordinated materials and state-of-the-art and precise manufacturing. The oil separator, which is mounted on as standard, ensures clean, oil-free exhaust thanks to its sophisticated extractor system with integrated oil return. When fitted with a gas ballast valve (optional), even larger amounts of vapour can be pumped. A non-return valve in the inlet bushing prevents air from going back into the vacuum chamber when the vacuum pump is switched off. The unit is driven by a directly flange-mounted standard motor of efficiency class IE2.

Accessories/technical options

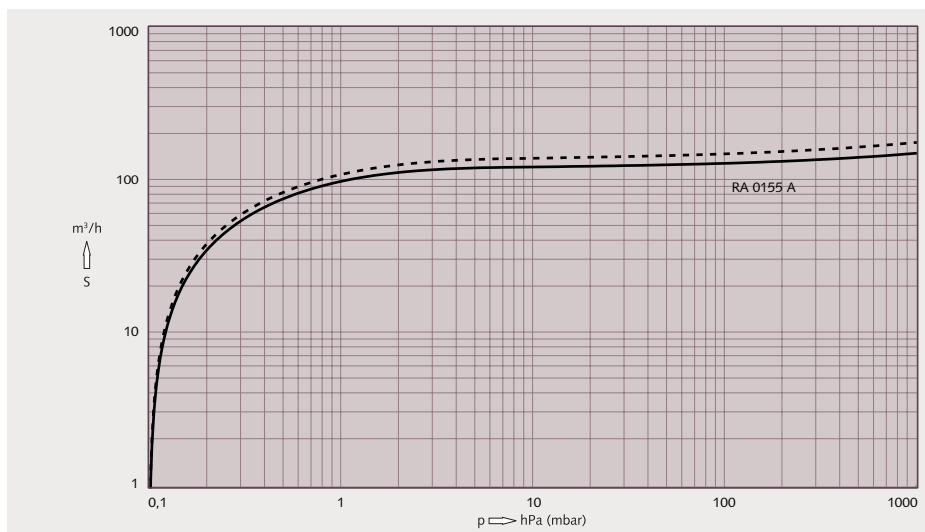
- Gas ballast valve
- Various inlet filters
- Filter pressure gauge
- Oil level switch
- Vacuum regulation unit
- Vacuum oils for all applications

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Pumping speed

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



Technical Data		RA 0155 A	
Nominal pumping speed	50 Hz / 60 Hz	m³/h	150 / 175
Ultimate pressure	50 Hz / 60 Hz	hPa (mbar)	0.1
Nominal motor rating	50 Hz / 60 Hz	kW	3.0 / 3.4
Nominal motor speed	50 Hz / 60 Hz	min ⁻¹	1500 / 1800
Noise level (ISO 2151)	50 Hz / 60 Hz	dB(A)	70 / 72
Oil capacity		l	3.5
Weight approx.		kg	110
Dimensions	L x W x H	mm	765 x 470 x 340 *
Gas inlet / outlet		G	2" / 2"

* with standard motor 60 Hz