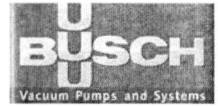


Busch Vacuum Pumps and Systems



R 5 RE 0016 - 0063 B

Explosion pressure resistant RE series vacuum pumps are part of the Busch family of proven R 5 rotary vane vacuum pumps. They are designed to extract explosion endangered gas/air and vapour/air mixtures. RE vacuum pumps are certified (ATEX 95) and are suitable for the extraction of almost all materials in the IIB3 explosion group, including petrol vapour.

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 2 million R 5 vacuum pumps are in daily use worldwide.

Operationally reliable and economical

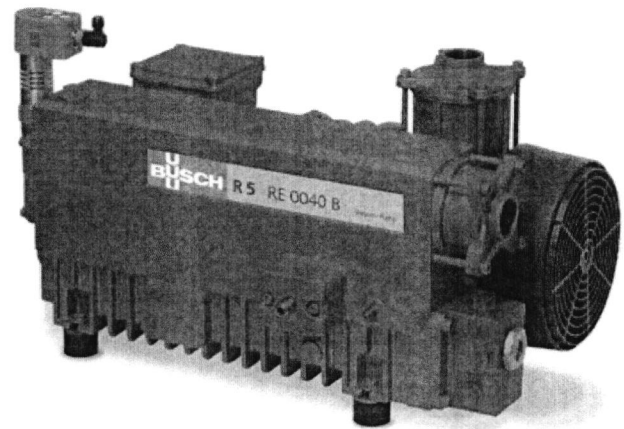
Rotary vane technology has been continuously developed and optimized by Busch for 50 years, with a constant focus on both reliability and economy.

Application-oriented

R 5 vacuum pumps are characterized 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 ATEX exhaust filters provide excellent oil separation.

Test certificate

R 5 RE rotary vane vacuum pumps are certified with EC type-examination certificates in accordance with Directive 2014/34/EU for: EX II 1/2 G IIB3 T4, category 1 inside and T4 inside and outside the vacuum pump.



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

Want to know more?

Contact us directly (Busch Turkey):
+90 (0)216 3100573

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. The pump is driven by a highly efficient flangemounted standard motor.

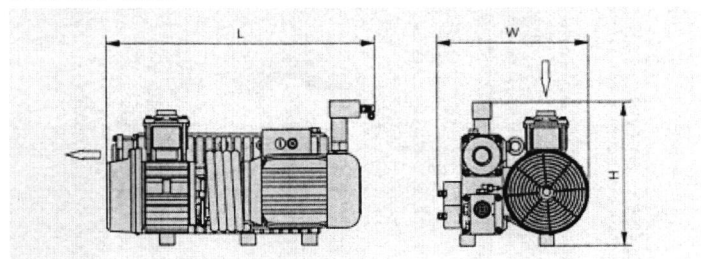
Design characteristics

All components resistant to explosion pressure, flame arrestors, pressurised parts made from spheroidal graphite cast iron, explosion-proof motor, electronic pressure monitoring and display, gas temperature monitoring.

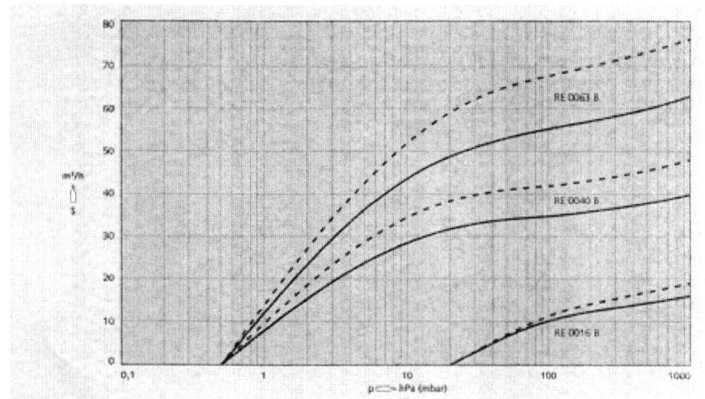
Accessories/technical options

- Gas-ballast valve
- Second temperature switch for frost protection mode
- Anti-corrosion coating on the oil separator
- Oil level monitoring
- T3 motor and transmission (temperature class outside the vacuum pump is T3)

R 5 RE 0016 - 0063 B



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



ISO - 60 Hz

| Technical data | | | R 5 RE 0016 B | R 5 RE 0040 B | R 5 RE 0063 B |
|------------------------|-------------------|-------|-----------------|-----------------|-----------------|
| Nominal pumping speed | m ³ /h | 60 Hz | 19 | 48 | 76 |
| Ultimate pressure | hPa (mbar) | 60 Hz | 20 | 0.5 | 0.5 |
| Nominal motor rating | kW | 60 Hz | 0.55 | 2.2 | 2.2 |
| Nominal motor speed | min ⁻¹ | 60 Hz | 1800 | 1800 | 1800 |
| Noise level (ISO 2151) | dB(A) | 60 Hz | 57 | 66 | 68 |
| Oil capacity | l | 60 Hz | 1.0 | 2.0 | 2.0 |
| Weight approx. | kg | 60 Hz | 53 | 107 | 121 |
| Dimensions (L x W x H) | mm | 60 Hz | 628 x 362 x 330 | 721 x 405 x 381 | 721 x 405 x 381 |
| Gas inlet / outlet | | 60 Hz | G ¾" / G ¾" | G 1 ¼" / G 1 ¼" | G 1 ¼" / G 1 ¼" |

Downloads

R 5 RE 0016 - 0063 B

There are no downloads available