

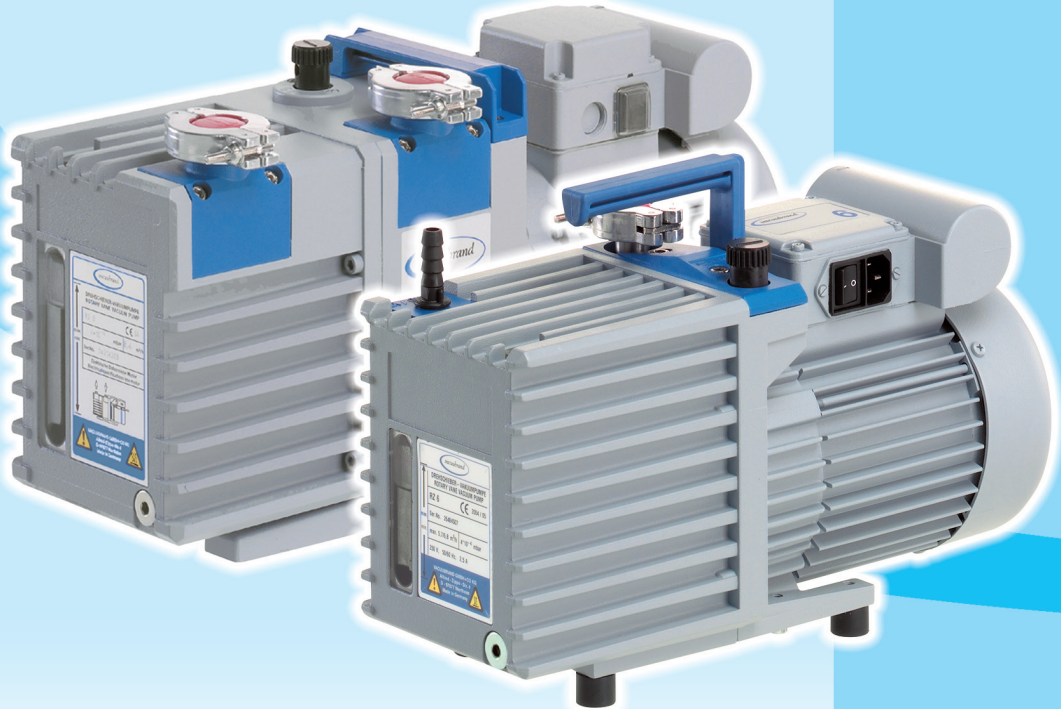


Technology for Vacuum Systems

NEW!

Compact, low noise, user-friendly:

VACUUM ROTARY VANE PUMPS XS



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For about 100 years rotary vane pumps have remained a central part of vacuum technology. Nevertheless there is always something to improve. The new VACUUBRAND rotary vane pumps XS are:

XL EXTRA LIGHTWEIGHT **XL** EXTRA LOW NOISE
XE EXTRA ENERGY-SAVING **XU** EXTRA USER-FRIENDLY

XS = EXTRA SUSTAINABLE

SPRING-LESS OIL PUMP → LESS WEAR
NEW OIL CIRCUIT → LESS NOISE
NEW MOTOR → LESS ENERGY CONSUMPTION



Two stage rotary vane pump XS
RZ 2.5



Two stage rotary vane pump XS
RZ 6



Two stage rotary vane pump XS
RZ 9

SPECIAL ADVANTAGES

- **high conductance inlet**
high pumping speed even at low vacuum
- **high vapour tolerance**
for water and solvents by gas ballast of about 10% of pumping capacity. Quieter operation and good ultimate vacuum also with gas ballast.
- **anti-corrosion design**
important inner surfaces mechanically ground and plasma treated. Oil shut-off device against corrosive gases entering the pump whilst switched off.
- **new lubrication circuit and large oil volume**
for quiet operation and longer service intervals
- **compact design**
smaller dimensions, low weight, ease of maintenance due to telescopic design

vacuubrand

... extra low noise

Low vibration and ultra quiet running.

... extra light-weight

Unmatched compact design and low weight; genuinely "portable".



... extra user-friendly

Enhanced reliability of wear parts with new lubrication circuit. Long intervals between oil changes. Ease of maintenance and assembly through new pump module design.

... extra energy-saving

New motor layout with outstanding reduced current draw. Immediate re-start after shutdown (RE/RZ 2.5, 6 and 9). Electronic capacitor control (RE/RZ 9).



*Inlet separator
AK RE 6 - RZ 6*



*Inlet cold trap
SKF H 25*



*Oil mist filter
FO RE 2.5 - RZ 6*

VACUUBRAND rotary vane pumps **XS** are designed for an ultimate operating vacuum in the range of 1 mbar to 10^{-1} (single-stage) or 10^{-3} mbar (two-stage). The wide range of models available fulfils both technical and economic criteria for

choosing the right vacuum pump. Selection of the appropriate pump depends upon the ultimate vacuum and pumping speed requirements of the respective application.

150 employees work in a flexible team structure to design and manufacture our products. Our focus is to develop innovative products with excellent quality. VACUUBRAND has over 40 years experience in manufacturing vacuum technology. Our company offers the most comprehensive range of customer oriented laboratory and instrumentation vacuum pumps, gauges and controllers for rough and fine vacuum.

The product range comprises high performance rotary vane pumps, oil free diaphragm pumps, well proven pumping units, flexible vacuum systems and solutions for local area networks. The range is completed by a wide choice of KF fittings and accessories as well as various vacuum gauges and controllers for rough and fine vacuum. The design of VACUUBRAND products is driven by our customer's requirements.

In recent years, vacuum local area networks with pumps combining the latest electronic control technology and high performance mechanics have gained more and more importance.

Our technical literature is only intended to inform our customers. The validity of general empirical values and results obtained under test conditions for specific applications depends upon a number of factors beyond our control. It is, therefore, strictly the users' responsibility to verify carefully the validity or suitability to their specific requirements. No claims arising from the information provided in this catalogue will consequently be entertained. Technical data are subject to change without notice.

Pictures may depict accessories which are not supplied as standard under the catalogue number printed.

VACUUM ROTARY VANE PUMP XS RE 2.5 RZ 2.5 RE 6 RZ 6

TECHNICAL DATA

| | | | | | |
|-------------------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|
| Pumping speed 50/60 Hz | m ³ /h | 2.3 / 2.8 | 2.3 / 2.8 | 5.7 / 6.8 | 5.7 / 6.8 |
| Ultimate vacuum without gas ballast | mbar | 3 x 10 ⁻¹ | 2 x 10 ⁻³ | 1 x 10 ⁻¹ | 2 x 10 ⁻³ |
| Ultimate vacuum with gas ballast | mbar | 8 x 10 ⁻¹ | 1 x 10 ⁻² | 6 x 10 ⁻¹ | 1 x 10 ⁻² |
| Inlet connection (small flange) | | NW 16 | NW 16 | NW 16 | NW 16 |
| Outlet connection (hose nozzle) | | NW 10 | NW 10 | NW 10 | NW 10 |
| Dimensions (L x W x H) | mm | 308 x 125 x 190 | 308 x 125 x 190 | 370 x 142 x 207 | 370 x 142 x 207 |
| Mass | kg | 10.2 | 11.4 | 15.3 | 16.4 |

ORDERING INFORMATION

| | | | | | |
|------------------------|----------|----------|----------|----------|----------|
| 230 V ~ 50-60 Hz | plug CEE | 69 71 50 | 69 81 20 | 69 71 60 | 69 81 30 |
| 230 V ~ 50-60 Hz | plug CH | 69 71 51 | 69 81 21 | 69 71 61 | 69 81 31 |
| 230 V ~ 50-60 Hz | plug UK | 69 71 52 | 69 81 22 | 69 71 62 | 69 81 32 |
| 120 V ~ 60 Hz | plug US | 69 71 53 | 69 81 23 | 69 71 63 | 69 81 33 |
| 400 V 3 ~ 50 Hz, 3-ph. | plug CEE | - | - | - | 69 81 35 |

| ACCESSORIES | RE 2.5 | RZ 2.5 | RE 6 | RZ 6 |
|--|----------|----------|----------|----------|
| Inlet separator AK | 69 80 00 | 69 80 00 | 69 80 06 | 69 80 06 |
| Oil mist filter FO | 69 80 03 | 69 80 03 | 69 80 03 | 69 80 03 |
| Hose nozzle, small flange NW 16/10 for inlet | 66 28 06 | 66 28 06 | 66 28 06 | 66 28 06 |
| Maintenance kit | 64 89 77 | 64 89 77 | 64 89 77 | 64 89 77 |
| Cold trap inlet, stainless steel SKF H 25, NW 25 | 66 70 51 | 66 70 51 | 66 70 51 | 66 70 51 |

VACUUM ROTARY VANE PUMP XS RE 9 RZ 9 RE 16 RZ 16

TECHNICAL DATA

| | | | | | |
|-------------------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|
| Pumping speed 50/60 Hz | m ³ /h | 8.9 / 10.2 | 8.9 / 10.2 | 16.6 / 19.1 | 16.6 / 19.1 |
| Ultimate vacuum without gas ballast | mbar | 1 x 10 ⁻¹ | 2 x 10 ⁻³ | 1 x 10 ⁻¹ | 2 x 10 ⁻³ |
| Ultimate vacuum with gas ballast | mbar | 6 x 10 ⁻¹ | 1 x 10 ⁻² | 6 x 10 ⁻¹ | 1 x 10 ⁻² |
| Inlet connection (small flange) | | NW 25 | NW 25 | NW 25 | NW 25 |
| Outlet connection (small flange) | | NW 25 | NW 25 | NW 25 | NW 25 |
| Dimensions (L x W x H) | mm | 460 x 152 x 232 | 460 x 152 x 232 | 505 x 152 x 232 | 545 x 152 x 232 |
| Mass | kg | 21.4 | 24.2 | 25.2 | 29.0 |

ORDERING INFORMATION

| | | | | | |
|------------------------|----------|----------|----------|----------|----------|
| 230 V ~ 50-60 Hz | plug CEE | 69 71 70 | 69 81 40 | 69 70 80 | 69 80 50 |
| 230 V ~ 50-60 Hz | plug CH | - | 69 81 41 | 69 70 86 | 69 80 56 |
| 230 V ~ 50-60 Hz | plug UK | - | 69 81 42 | 69 70 87 | 69 80 57 |
| 120 V ~ 60 Hz | plug US | - | 69 81 43 | - | - |
| 400 V 3 ~ 50 Hz, 3-ph. | plug CEE | - | 69 81 45 | - | 69 80 52 |

| ACCESSORIES | RE 9 | RZ 9 | RE 16 | RZ 16 |
|--|----------|----------|----------|----------|
| Inlet separator AK | 69 80 07 | 69 80 07 | 69 80 07 | 69 80 07 |
| Oil mist filter FO | 69 80 08 | 69 80 08 | 69 80 08 | 69 80 08 |
| Full flow oil filter HF | 69 80 10 | 69 80 10 | 69 80 10 | 69 80 10 |
| Hose nozzle, small flange NW 25/10 for inlet | 66 28 07 | 66 28 07 | 66 28 07 | 66 28 07 |
| Hose nozzle, small flange NW 25/hose nozzle 15 | 66 28 08 | 66 28 08 | 66 28 08 | 66 28 08 |
| Maintenance kit | 64 99 88 | 64 99 88 | 64 99 88 | 64 99 88 |
| Cold trap inlet, stainless steel SKF H 40, NW 40 | 66 70 53 | 66 70 53 | 66 70 53 | 66 70 53 |

Items supplied: Oil filled pump, on/off switch, overload protection and 2 m cable with plug, small flange centring and clamping ring for inlet - for RE/RZ 9/16 also for outlet, instructions for use.



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

