

vacuubrand

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 = XTRA **S**USTAINABLE

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

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... 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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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.

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Please contact us if this literature doesn't answer all your questions.