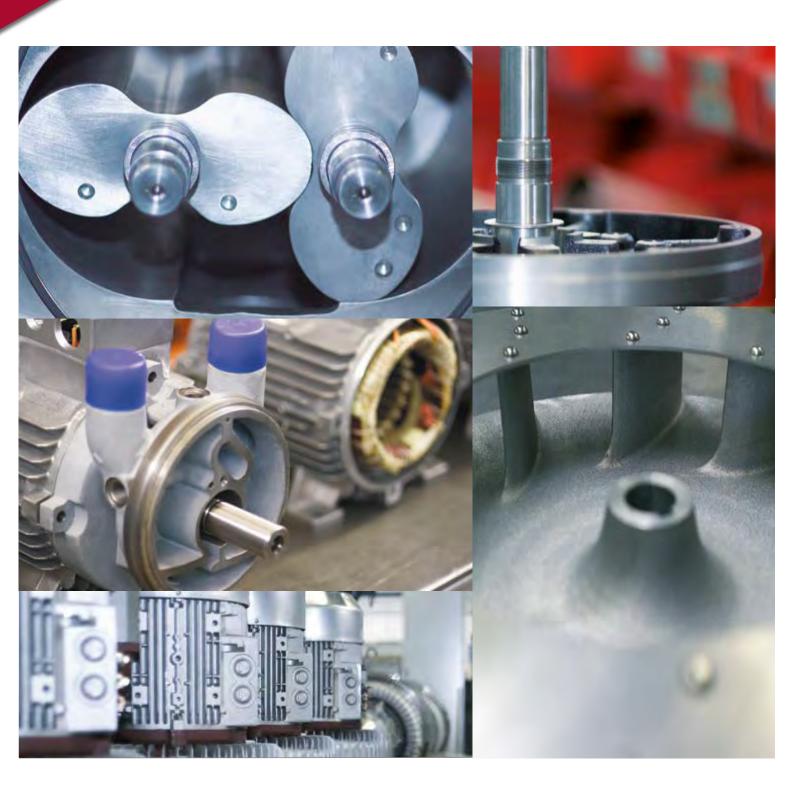


JªJ Air Systems







Vacuum and Pressure Products







Applications

Chemical & Pharmaceutical Industry

Plastics Industry

Printing and Paper Industry

Non-Food Packaging

Food Packaging

Environmental Engineering

Industrial Parts Cleaning







Elmo Rietschle Products

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F-CEVF S



F-CEVF (29)





F-Series Radial





Elmo Rietschle offers a wide range of single and multi-stage radial blowers for vacuum and pressure operation.

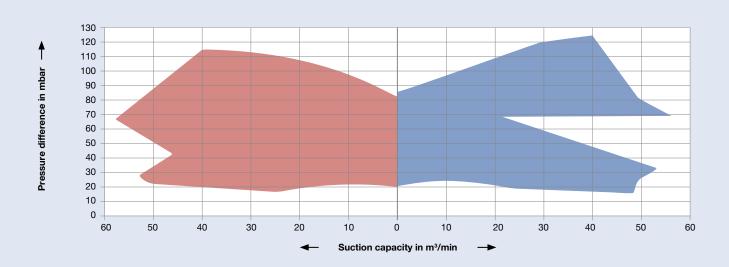
F-CEV multi-stage radial blowers

These blowers are available for suction (F-CEV-S) and pressure (F-CEV-D) mode and cover a wide range of industrial applications. F-CEVF versions include either a small dust collection canister or a large canister for the collection of plastic or paper trimmings.

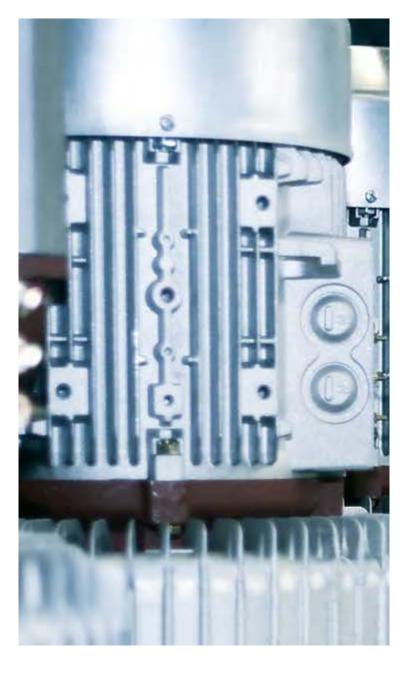
F-RER and F-REL single stage radial blowers

These blowers come in a wide variety of sizes and can be used for both suction and pressure mode in many industrial processes where high volume flow at small differential pressures are needed. Variable frequency drives are available.

When it comes to installing these blowers, you will find that any position (left/right/vertical/horizontal) is possible. F-RER blowers are right turning, F-REL left turning for maximum flexibility in cases where space is essential (such as in central air cabinets).



Order No.		CEV CEV F			RER / REL	ı			
		3709-S	3718-3(29)	3718-3(31)	260 20	260 50	320 40	350 20	350 30
Motor output	kW	0,9	1,3	2,6	0,2	0,37	0,75	0,55	0,75
Rated voltage	V	220 / 380	220 / 380	220 / 380	230 / 400	230 / 400	230 / 400	230 / 400	230 / 400
Weight approx	kg	38	40	52	15	20	30	30	30
Sound-pressure level	dB(A)	74	73	75	70	76	77	76	78







G-BH2 VELOCIS single, double and triple stage







G-Series Side Channel











Elmo Rietschle Side Channel Blowers have proven their reliability in service for many decades, performing flawlessly day in and day out with virtually no down time.

Available in a wide selection of performance ranges up to 3,000 m³/h and differential pressures of up to 1,000 mbar. They cover most requirements flexibly and powerfully. The G-Series side channel blowers feature voltage range motors for 50 /60 /87 and 100 Hz in protection class IP 55 or higher (IP56 or IP65) (insulation class F) and are UL 507 and CSA 22.2 No. 113 approved andare also available with ATEX certification.

Product Features

Reliable and built-to-last, virtually maintenance free

Robust yet light weight

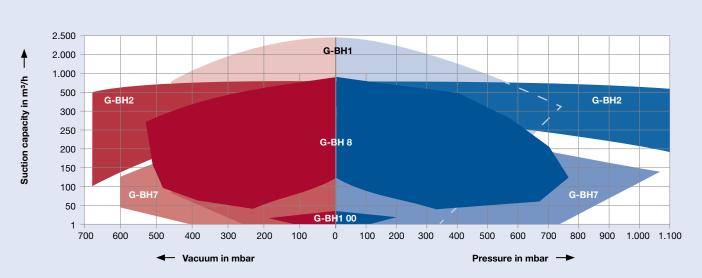
For use worldwide (UL/CSA/IEC/EN approval)

50/60/87/100 Hz motors

ATEX 94/9 EG

Adjustable speed control for all G-BH models

Variable perfomance control fo all G-BH models



Range		G-	BH1	G-BH2 VELOCIS					
nange		single stage double stage		single stage	double stage	three stage			
Order No.		2BH1 100 - 2BH1 310 - 2BH1 943 2BH1 910		2BH2 03601 - 2BH2 07801	2BH2 03602 - 2BH2 07802	2BH2 03603 - 2BH2 07803			
Diff. pressure vacuum	mbar	max. 370	max. 490	max. 410	max. 580	max. 680			
Diff. pressure compressor	mbar	max. 430	max. 750	max. 590	max. 930	max.1050			
Capacity	m³/h	50 - 2500	90 - 1350	310 - 900	310 - 850	310 - 800			
Sound-pressure level	dB(A)	50 - 84	55 - 84	64 - 75	68 - 77	69 - 78			

Range		•	ВН7	G-BH8	G-BH1 HT
		single stage	multi stage	single stage	double stage
Order No.		2BH7 210 - 2BH7 610	2BH7 220 - 2BH7 630	2BH8	2BH18- 2BH19
Diff. pressure vacuum	mbar	max. 380	max. 720	max. 550	max. 360
Diff. pressure compressor	mbar	max 530	max. 1050	max. 710	max. 460
Capacity	m³/h	50 - 190	50 - 200	300-950	500-1600
Sound-pressure level	dB(A)	57 - 71	58 - 76	77-79	70-80



L-Series Liquid Ring



Product Features

Monoblock design

- Excellent resistance to corrosion
- No deposits in pump
- No metal-to-metal contact
- Increased water carryover available
- Robust yet light weight
- For use worldwide (UL /CSA / IEC/ EN approval)
- 50/60 Hz motors
- ATEX 94/9 EG







L-BV54





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Elmo Rietschle Side Channel Blowers have proven their reliability in service for many decades, performing flawlessly day in and day out with virtually no down time.

Available in a wide selection of performance ranges up to 3,000 m³/h and differential pressures of up to 1,000 mbar. They cover most requirements flexibly and powerfully. The G-Series side channel blowers feature voltage range motors for 50 /60 /87 and 100 Hz in protection class IP 55 or higher (IP56 or IP65) (insulation class F) and are UL 507 and CSA 22.2 No. 113 approved andare also available with ATEX certification.

Product Features

Reliable and built-to-last, virtually maintenance free

Robust yet light weight

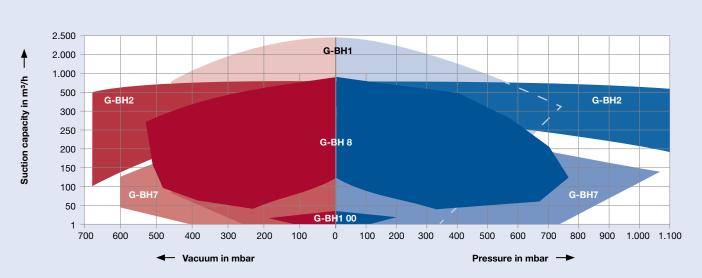
For use worldwide (UL/CSA/IEC/EN approval)

50/60/87/100 Hz motors

ATEX 94/9 EG

Adjustable speed control for all G-BH models

Variable perfomance control fo all G-BH models



Range		G-	BH1	G-BH2 VELOCIS					
nange		single stage double stage		single stage	double stage	three stage			
Order No.		2BH1 100 - 2BH1 310 - 2BH1 943 2BH1 910		2BH2 03601 - 2BH2 07801	2BH2 03602 - 2BH2 07802	2BH2 03603 - 2BH2 07803			
Diff. pressure vacuum	mbar	max. 370	max. 490	max. 410	max. 580	max. 680			
Diff. pressure compressor	mbar	max. 430	max. 750	max. 590	max. 930	max.1050			
Capacity	m³/h	50 - 2500	90 - 1350	310 - 900	310 - 850	310 - 800			
Sound-pressure level	dB(A)	50 - 84	55 - 84	64 - 75	68 - 77	69 - 78			

Range		•	ВН7	G-BH8	G-BH1 HT
		single stage	multi stage	single stage	double stage
Order No.		2BH7 210 - 2BH7 610	2BH7 220 - 2BH7 630	2BH8	2BH18- 2BH19
Diff. pressure vacuum	mbar	max. 380	max. 720	max. 550	max. 360
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Sound-pressure level	dB(A)	57 - 71	58 - 76	77-79	70-80













V-SeriesDry Running Rotary Vane









Dry running rotary vane vacuum pumps

The range of eco-friendly dry running rotary vane pumps from Elmo Rietschle have a wide performance range, making them suited to a broad range of applications. Design features include maximized cooling air pathways, heat resistant materials, sound reduction covers and relief valves.

Advantages at a glance

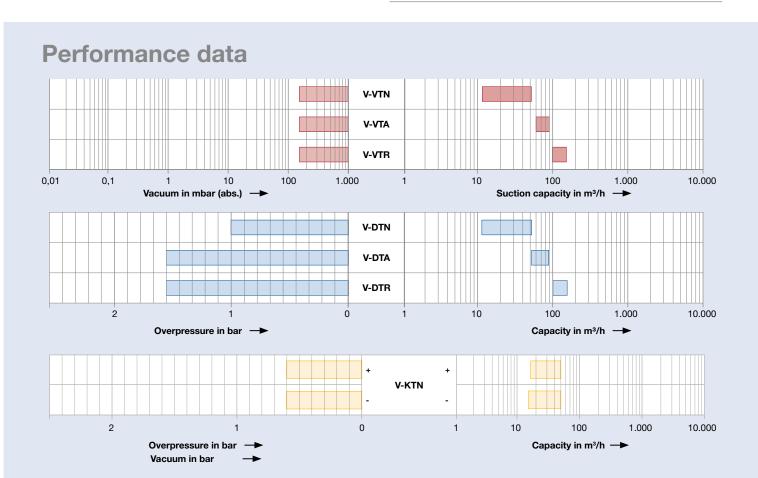
Dry running

Low noise level

Robust and economical

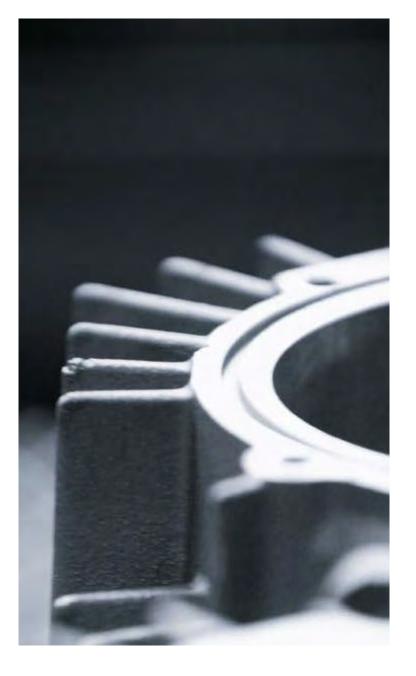
Long up times

Easy to operate



Order No.		16	VTN 26	41	60	ГА 80	100	TR 140	16	DTN 26	41	60 D	TA 80	100	TR 140
Ultimate vacuum	mbar (abs.)		150		15	50	15	50	-	-	-	-	-	-	-
Capacity	m³/h	17	27	42	60	80	100	140	-	-	-	-	-	-	-
Overpressure max.	bar (abs.)	-	-	-	-	-	-	-	1,0	1,0	1,0	1,5	1,5	1,4	1,5
Capacity	m³/h	-	-	-	-	-	-	-	17,0	26,0	43,5	60,0	80,0	100,0	140,0
Speed	min-1		1.450		1.7	'40	1.7	'40		1.450		1.4	150	1.4	150
Weight approx	kg 3~	26,8 27,2	30,5 31,8	46,7 47	74	80	122	127	28,0 28,5	30,7 34,4	47,0 49,0	86 90	97 105	127 151	152 157
Average noise level	dB(A)	60	61	66	74	75	77	78	61	62	67	74	76	77	78

Order No.			1	6		KTN 26				41			
Vacuum max.	bar	-0,6	-0,6	-0,6	-0,6	-0,6	-0,6	-0,6	-0,6	-0,6	-0,6	-0,6	-0,6
Capacity max.	m³/h	17	15,5	15	14,6	26	24	23,5	23	42,5	41	39,5	38,3
Overpressure max.	bar (abs.)		1,	,0			1	,0		1,0			
Capacity max.	m³/h	16,3	14	13,2	12,5	16,3	14	13,2	12,5	16,3	14	13,2	12,5
Speed	min-1						14	50					
Weight approx	kg 3~		28,4 35,1 49,9 28,6 35,2 52,2										
Average noise level	dB(A)		6	3			6	5		68			

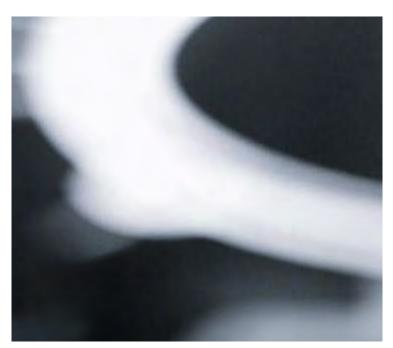








V-Series
Oil Lubricated Rotary Vane







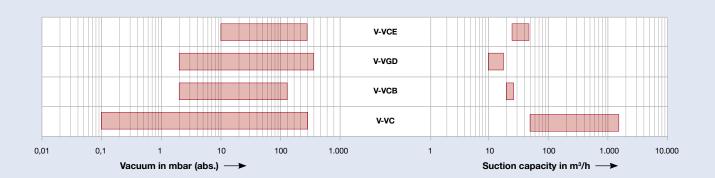
Lubricated rotary vane vacuum pumps

Elmo Rietschle Oil-lubricated rotary vane vacuum pumps are used in a wide variety of industrial applications. Offering the largest range of oilflooded vacuum pumps for industrial coarse and fine vacuum operation.

Compact pumps with overhung bearing design

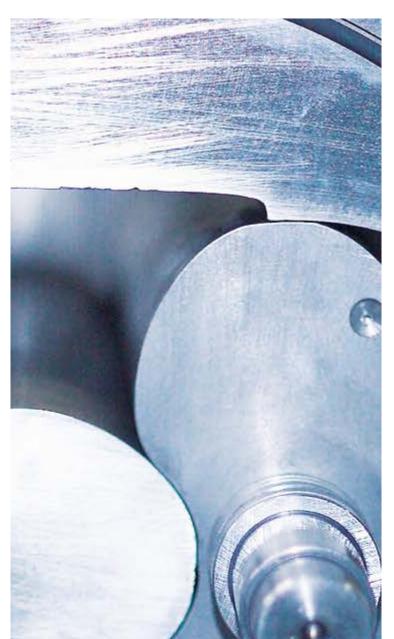
Medium ranges with rotors supported on both sides and flexible coupling

Large pumps with rotors supported on both sides, flexible coupling and double wall cylinder



Order No.			E	1	GD	VCB		
	25	40	10	15	20	25		
Ultimate vacuum	mbar (abs.)	1	0	1	0	2		
Capacity	m³/h	25	40	10	15	20	25	
Speed	min ⁻¹	1.4	1.450 2.850		2.8	350		
\A/=!====	3~	40	50	_	0	_	10	
Weight approx	kg 1~	25	53	1	9	2	23	
Sound-pressure level	dB(A)	59	63	59	60	64	66	

Order No.							V	С					
Order No.		50	75	100	150	202	303	400	500	700	900	1100	1300
Ultimate vacuum	mbar (abs.)		0	,1		0,	,1	0,1					
Capacity	m³/h	50	75	100	150	200	300	400	500	700	900	1.100	1.300
Speed	min ⁻¹			1.4	150			950					
Weight approx	Jen 3~	57	59	90	98	191	192	485	579	605	710	960	1050
Weight approx	kg 1~	37	59	90	90	191	192	400	5/9	000	710	1130	1130
Sound proceure lovel	dB(A)	67	68	69	71	73	74	75	77	80	81	83	84
Journa-pressure level	ound-pressure level dB(A)		00	09	71	73	/4	/5	11	80	81	85	85



Advantages at a glance

Robust and economical

Dry running

Modular design

Available as single aggregates

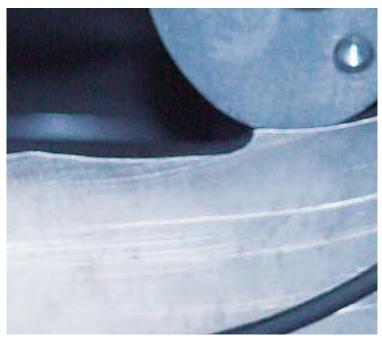
Available as individually engineered pump sets

Frequency control available











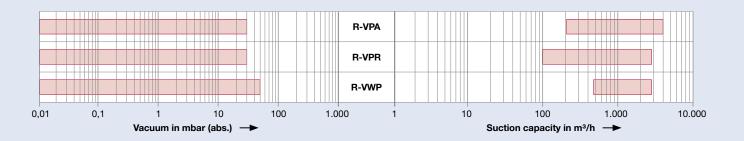
Rotary Lobe

Rotary lobe vacuum pumps R-VWP can be used in many applications that need coarse or fine vacuum. Two symmetrically shaped rotors rotate against each other, synchronized by a pair of gear wheels. The pumps are dry running, and consequently the compression chamber is free of grease or oil. Gear box and bearings are oil lubricated.

The Elmo Rietschle R-VPR pump stand consists of oil lubricated rotary vanes and rotary lobe vacuum pumps; their main applications are to be found in industrial fine vacuum. The R-VPA standard pump sets use fresh oil lubricated rotary vanes as backup for the booster. Evacuation applications in industrial and chemical processes are their main field of use.

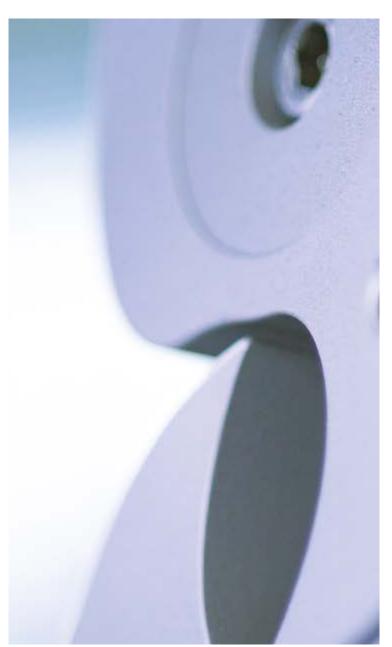
Vacuum pump stands

Pump sets consisting of oil lubricated rotary vanes or screws as backing pump in combination with rotary lobe vacuum pumps as booster pump are used when both high end vacuum and suction capacity are required.



Order No.			VPA									
Order No.		62.10	100.05	102.05	162.05	252.10	252.20	300.10	402.10	402.20	402.40	700.25
Ultimate vacuum	mbar (abs.)						0,1					
Capacity	m³/h	1130	-	520	540	990	2230	-	1215	2360	3960	-
Weight approx	kg	675	225	580	595	695	1025	425	750	1080	1220	1080
Sound-pressure level	dB(A)	77	76	75	77	78	78	78	79	79	79	83

Order No.		VPR		V	WP	
Order No.		1100.25	500	1000	1500	2500
Ultimate vacuum	mbar (abs.)	0,1	50	43	43	35
Capacity	m³/h	-	590	1295	1909	2752
Motor rating	kW	-	1,8	3,6	4,8	7,5
Speed	min-1	-	3450	3480	3470	3500
Weight approx	kg	1440	100	180	225	342
Sound-pressure level	dB(A)	86	71 / 72	70 / 71	75 / 76	76 / 77



Advantages at a glance

Dry, contact-free operation

Process safe and reliable

No oil in the compression chamber

Frequency control available

Low sound level

No greasing of bearings











C-KLR ZEPHYR Pressure-vacuum pump

Our dry running C-Series generates contact free vacuum or compressed air efficiently and economically due to the principle of internal compression. This leads to considerable energy savings compared to the traditional rotary lobe design without internal compression.

Wide spectrum of performance

With the C-VLR claw vacuum pumps and C-DLR claw compressors the following ultimate pressures are attainable during continuous operation: vacuum up to 50 mbar (abs.) and pressure up to 2.2 bar. Combination pressure-vacuum pumps provide underpressure up to -0.6 bar and overpressure up to + 1.0 bar.

Innovative claw technology

The claws of the C-Series feature an optimized, high precision shape and roll together without contact, synchronised by a precision gear set. The compression is achieved dry and wear free. Special seals separate the compression chamber and gearbox. The claw rotors control the transportation of the medium by opening and closing the inlet and outlet channels.

Thus no sealing fluid within the compression chamber is needed.

The overhung rotor design in all sizes up to model 300 is another outstanding feature of this technology. Gas tight versions with reduced leakage rates are available. We hold the patent on the newly designed triple lobe rotors with intermediate charging of air – for the first time vacuum and pressure are being created in one stage.

Explosion proof versions with reduced leakage are available as well as ATEX compliant vacuum pumps and compressors.

Performance data C-VI R 0.01 0.1 10 100 1.000 10 100 1.000 10.000 Vacuum in mbar (abs.) Suction capacity in m3/h C-DLR 0 10 1.000 10.000 100 Pressure in bar Capacity in m3/h C-KLR 2 O 100 10.000 10 1.000 (+) Pressure in bar Capacity in m3/h (-) Vacuum in bar VLR DLR **KLR** 250 400 500 1000 140 Order No. 100 150 301 100 400 mbar 50 50 50 50 50 50 50 50 50 Ultimate vacuum (abs.) (100)(100)(100)(100)(100)(100)(100)(100)(100)Capacity m³/h 72 120 180 282 255 345 462 600 950 1.0 0.6 0.8 0.8 1.0 1.2 bar Pressure 2 2.2 2,2 2.0 (abs.) 1.8 0.8 2.0 Capacity m³/h 68 13 170 282 360 462 600 mbar -0,6 -0,6 Capacity 77.3-133.9 60-120 m³/h bar +0.7+0.7Pressure / Capacity 98-126.9 62-97 m³/h 4.8 6.5 9.0 13 13 18 Motor output kW 2,6 3,6 4,8 4,8 6,5 9 11 22 3,6 4,8 6,5 1,5 9,0 6,5 18,0 18 26 36 11,8 13,8 20,0 19 12,7 19,0 24 35,0 14 Rated current Α # # # # # # 14/18 6,8 6,9 11,5 11,0 7,4 11 13,8 22.0 8.0 Speed min-1 3450 3450 3450 105 250 259 356 411 Weight approx 51 105 125 213 140 270 330 381 790 151 120 160 57 ka 130 293 301 442 510 85 83 Sound-pressure level dB(A) 80 82 82 82 82 84 84 84 79 83 81 85 85 85 77



Advantages at a glance

Dry running

High vacuum in one stage

Application specific options

Short evacuation time due to high suction capacities

Flushing/CIP capable

Insensitive against water shocks



S-VSA TWISTER



S-VSB TWISTER



S-Series Screw



S-VSI TWISTER

The dry and contact free operation of the Elmo Rietschle S-Series screw vacuum pumps requires no lubrication in the pumping chamber. This translates into major advantages: no process contamination and no pollution caused by the pump operation.

Wide performance range

Our S-VSA, S-VSB and S-VSI screw vacuum pumps achieve an ultimate vacuum of 0.05 mbar (abs.) and can operate at any pressure between end vacuum and atmospheric pressure.

Rugged and durable design

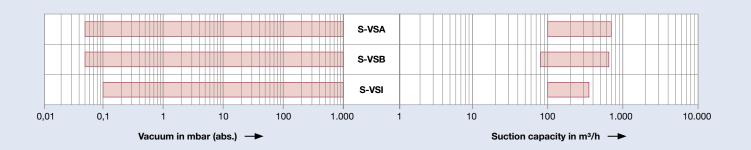
In the pump housing, two parallel screw rotors, both timing gear synchronized, turn in opposite directions. Gas is compressed in the direction of the discharge port. Gearbox and mechanical seals are oil lubricated. Cooling is achieved through the continuous flow of coolant through the pump housing. Our S-Series screw pumps feature high vapor and liquid tolerance, are easy to service and have a long service life – the low rotational speed ensures low noise and low vibration operation.

Multiple applications

Elmo Rietschle screw vacuum pumps are primarily used in applications across many different industries where clean, oil free vacuum is needed. They can also be combined with a vacuum booster in customized vacuum systems for very high suction capacities.

The S-VSB range are to be found in many chemical and pharmaceutical processes. ATEX compliant versions are available.

General industrial applications such as packaging, drying and coating or vacuum furnaces are best served by our S-VSI range of pumps.



Order No.		VSA				VSB					VSI	
		150	330	400	800	120	200	320	430	800	100	300
Ultimate vacuum	mbar (abs.)	0,3	0,3	0,05	0,05	0,3	0,3	0,3	0,3	0,05	0,1	0,1
Capacity	m³/h	135	300	360	720	100	140	250	250	650	120	360
Motor output	kW	4,8	9,0	18,0	22,0	3,6	4,8	6,5	6,5	18,0	3,6	9,0
Speed	min ⁻¹	3450				3450					3550	
Weight approx	kg	320	520	610	810	230	280	380	450	750	190	#
Sound-pressure level	dB(A)	#	#	81	#	74	75	76	78	80	75	80









X-RVA G WITTIG Once through oil lubricated rotary vane compressors



X-RO G WITTIG Circular oil lubricated rotary vane compressors



X-WPSO WITTIG Rotary vane vacuum pumps



X-WKP-WPSO WITTIG Vacuum pump sets

Rugged and durable

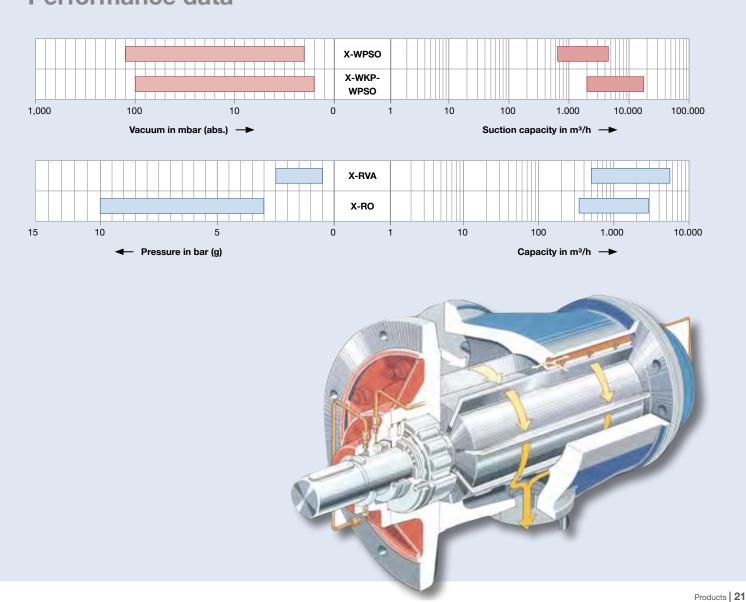
These high performing vacuum pumps and compressors cover a wide performance range. Their major applications include air and gas applications in sewage plants, coke ovens, mines and offshore petroleum extraction. Glass manufacturing also uses the stationary Wittig products. These rotary vanes are used either as stand-alone units or are packaged in pump stands (vacuum pumps only). Thanks to their high quality and reliability they can operate 24/24.

Advantages at a glance

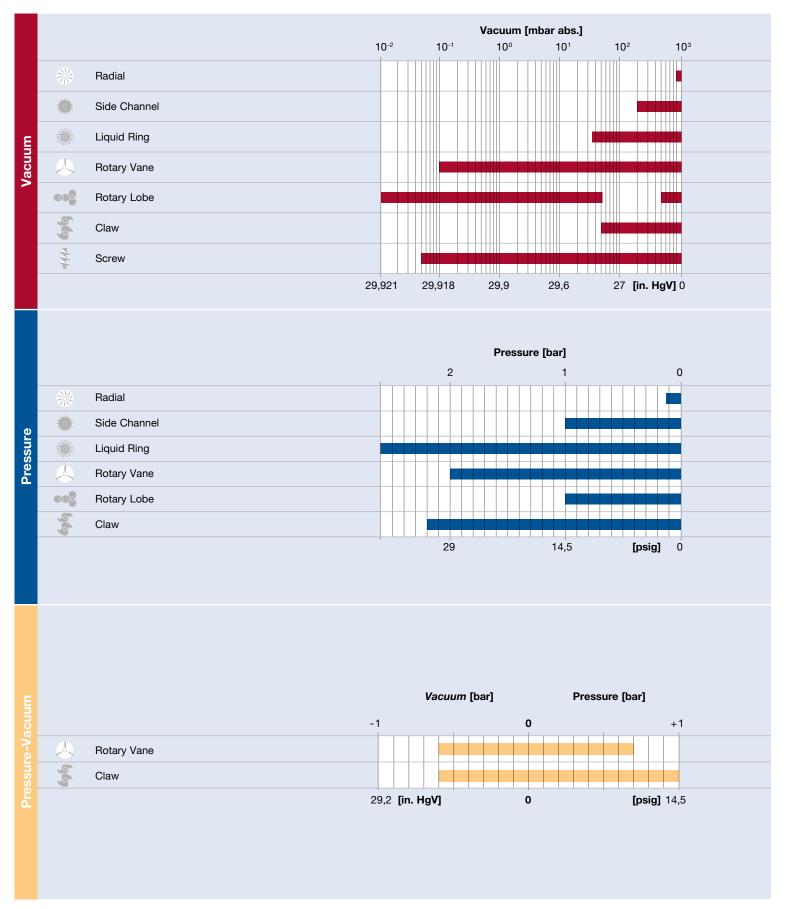
Low maintenance

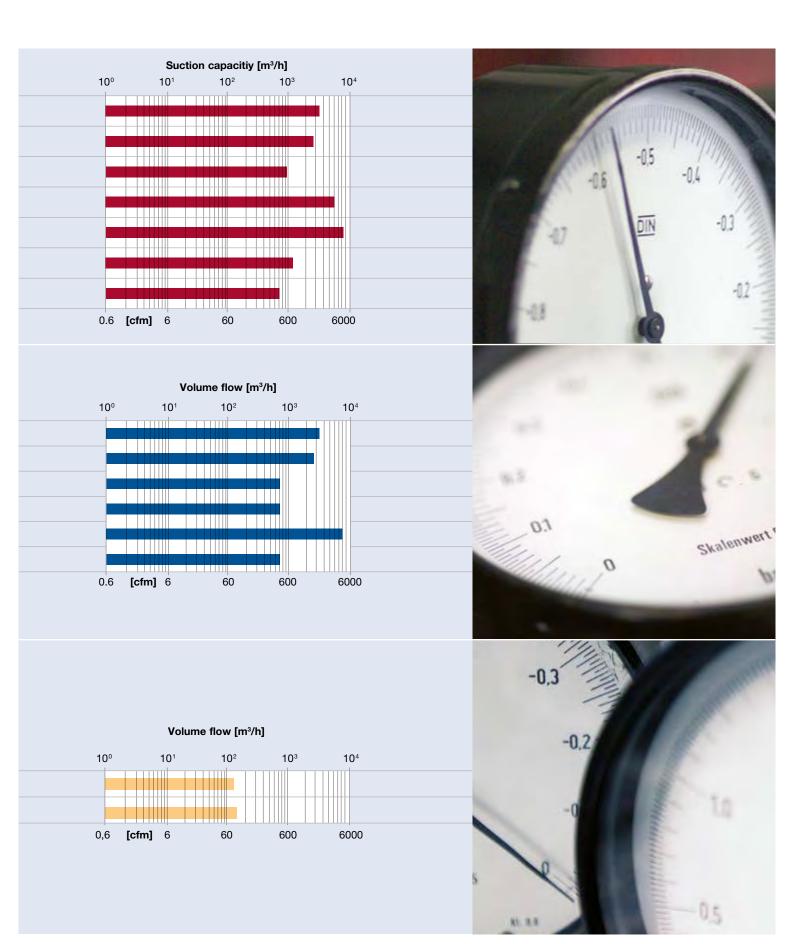
Long service life

Robust construction



Operating Range





J*J Air Systems



Global experience truly local service





Our Customer Service Centre and Trade Counter









The Elmo Rietschle brand offers innovative vacuum and pressure solutions to a wide variety of applications and processes across many industries and is renowned for its reliability, quality and extensive product range.

Call our technical support team on 0800 027 8442

J*J Air Systems



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