

Product-Information

SOGEVAC SV 25

Rotary Vane Vacuum Pump
SOGEVAC Cat. No.: 10902



Product-Description

Product Range, Features and Design

Oil sealed

rotary vane vacuum pumps are being used in all areas of vacuum engineering. They are equally suited for both industrial production and research applications. They may be used to generate a rough and medium vacuum or as backing pumps in pump combinations with Roots pumps or high vacuum pumps. By design, rotary vane pumps run quietly and do not produce much noise.

Application Examples

- Car industry
- Food industry

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- Furnaces and plants
- Laser technology
- Medicinal technology
- Metallurgy
- Power engineering, long-distance energy
- Space simulation
- Vacuum coating

Advantages to the User

- Continuous operation from atmospheric pressure to ultimate pressure
- High pumping speed also at low pressures
- Low noise level
- Low vibrations
- Integrated exhaust filter, up to 99.9% efficient
- No oil loss owing to the integrated oil return line
- Exhaust gas free of oil mists
- Efficient air cooling (standard)
- Water cooling (optional)
- Low space requirement, easy to install
- Rugged
- Maintenance-friendly
- Compact design
- For direct fitting to Roots pumps from SV 100 B or SV 100 up
- Optimum size-to-performance ratio
- High water vapor tolerance
- For use in various applications
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Wide range of accessories available for adaptation to differing problems

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Compact
Design

The pumps have been so designed that
efficiency of the pumps will be high.

Supplied Equipment

All pumps are
delivered with the required quantity of oil: SV 10 B to SV
65 (B) in a separate
canister, whereas the SV 100
(B) to SV 1200 already contain the oil and are thus ready
for operation.

1-ph. motor, 230 V, 50 Hz, with integrated gas ballast
valve

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Description	Unit	Value
Dimensions (LxWxH)	mm	422 x 263 x 236
Noise level at ultimate pressure without gas ballast, free field measurement at 1 m	dB(A)	56
Nominal pumping speed, DIN 28 400	m ³ /h	25
Nominal speed	min_E-1	1500
Oil filling	l	1
Pumping speed according to DIN 28 400	m ³ /h	22
Ultimate total pressure with gas ballast DIN 28 400	mbar	< 1,5E-0
Water vapor capacity	g/h	0
Water vapor tolerance DIN 28 400	mbar	40

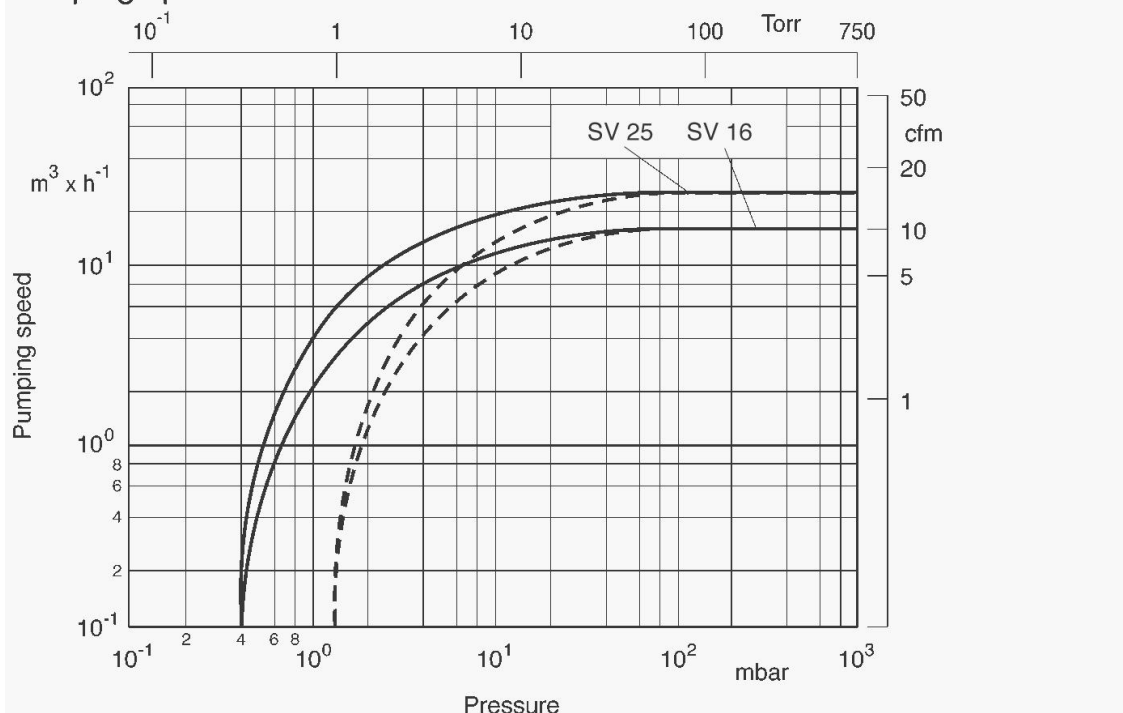
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Saugvermögenskurve

Pumping speed characteristics of the SOGEVAC SV 16 and SV 25 at 50 Hz

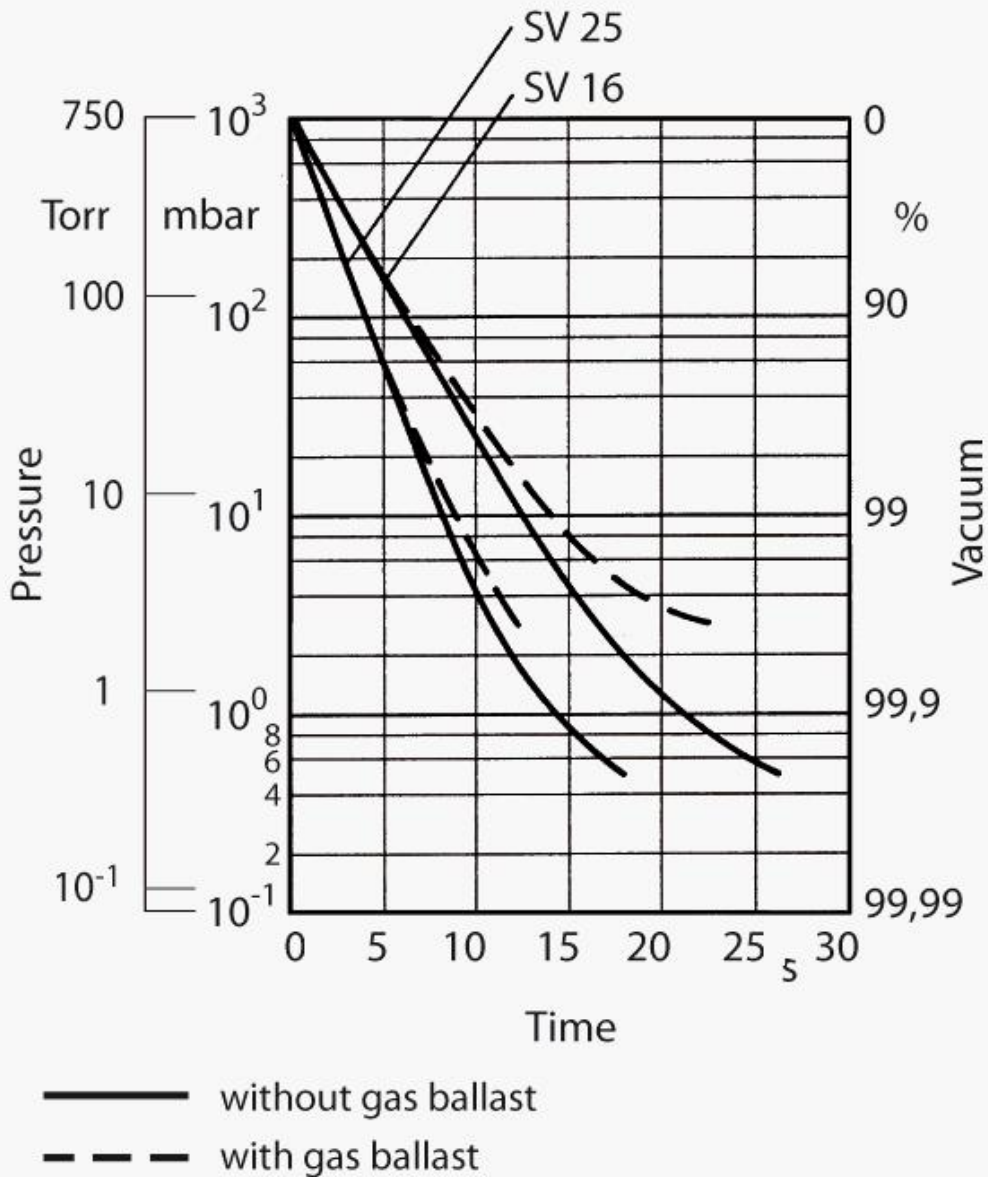


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Auspumpzeitkurve



Pump-down characteristics of a 10 l vessel
at 50 Hz

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Maßwerte-Tabelle

Type SV	a	a ₁	a ₂	b	b ₁	b ₂	b ₃	b ₄	b ₅	b ₆	b ₇	b ₈	b ₉	b ₁₀	h	h ₁	h ₂	h ₃	h ₄	h ₅	h ₆	l	l ₁	l ₂	l ₃	l ₄
16 / 25 mm	250	15	65	263	116	115	105	45	40	198	50	25	90	34	200	49	218	236	192	20	67	422	218	36	170	20
in.	9.84	0.59	2.56	10.35	4.57	4.53	4.13	1.77	0.46	7.8	1.97	0.98	3.54	1.34	7.87	1.93	8.58	9.29	7.56	0.79	2.64	16.61	8.58	0.71	6.69	0.79

Technische Zeichnung

