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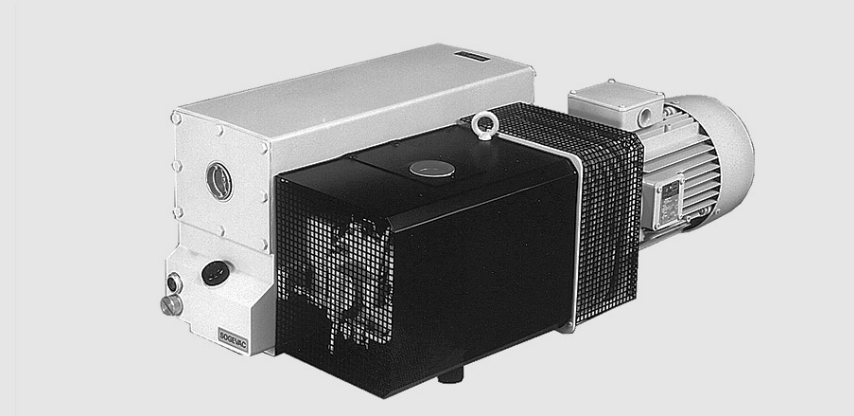
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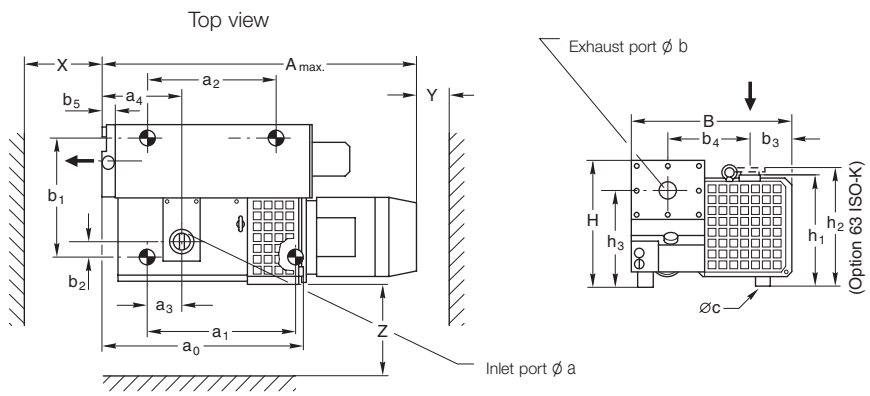
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Find the *Leybold SV 300* at our website: ***Click HERE***

SOGEVAC SV 200 / SV 300



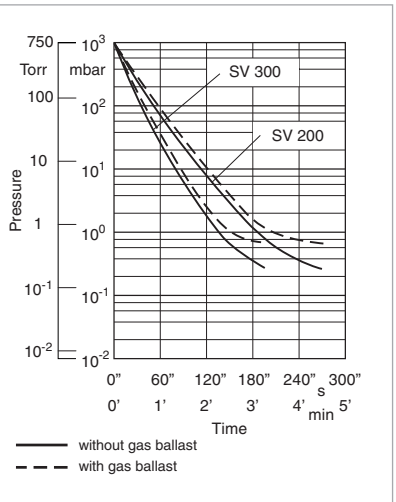
SOGEVAC SV 300



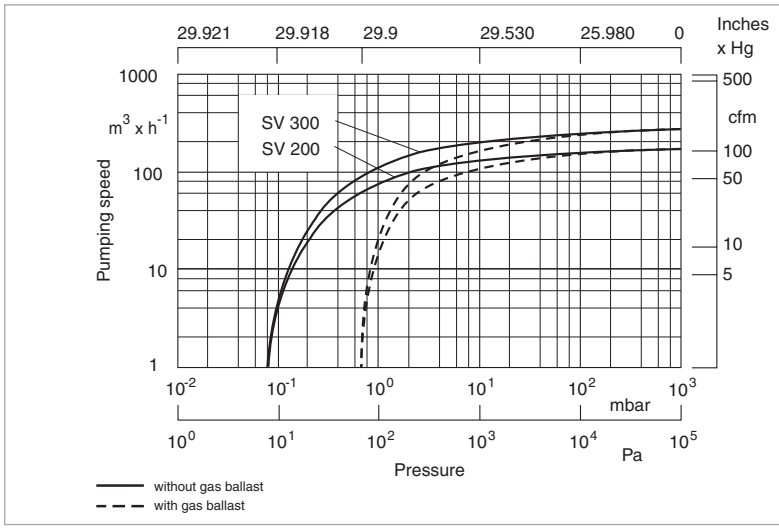
1)		$A_{max.}$
SV 200, Europe	mm	940
	in.	37.0
SV 200, USA	mm	960
	in.	38.0
SV 300, Europe	mm	1080
	in.	42.52
SV 300, USA	mm	1090
	in.	43.0

Type		ø a (G)	ø b (G)	A_{max}	a_0	a_1	a_2	a_3	a_4	B	b_1	b_2	b_3	b_4	b_5	c	H	h_1	h_2	h_3	X	Y	Z
SV 200	mm	2"	2"	1)	548	390	252	62	214	535	394	50	140	269	40	M10	415	352	392	318	350	150	300
	in.	2"	2"	1)	21.57	15.35	9.92	2.44	8.43	21.06	15.51	1.97	5.51	10.59	1.57	M10	16.34	13.86	15.43	12.52	13.78	5.91	11.81
SV 300	mm	2"	2"	1)	656	378	313	0	264	535	394	50	140	269	40	M10	415	352	392	318	350	150	300
	in.	2"	2"	1)	25.83	14.88	12.32	0	10.39	21.06	15.51	1.97	5.51	10.59	1.57	M10	16.34	13.86	15.43	12.52	13.78	5.91	11.81

Dimensional drawing for the SOGEVAC SV 200 and SV 300, European version



Pump-down characteristics of a 1000 l vessel at 50 Hz (60 Hz curves at the end of the section)



Pumping speed characteristics of the SOGEVAC SV 200 and SV 300 at 50 Hz (60 Hz curves at the end of the section)

Technical Data		SOGEVAC SV 200		SOGEVAC SV 300	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed [1]	$m^3 \times h^{-1}$ (cfm)	180 (106.0)	220 (129.5)	280 (164.9)	340 (200.3)
Pumping speed [1]	$m^3 \times h^{-1}$ (cfm)	170 (100.1)	200 (117.8)	240 (141.4)	290 (170.0)
Ultimate partial pressure without gas ballast [1]	mbar (Torr)	$\leq 8 \times 10^{-2}$ ($\leq 6 \times 10^{-2}$)	$\leq 8 \times 10^{-2}$ ($\leq 6 \times 10^{-2}$)	$\leq 8 \times 10^{-2}$ ($\leq 6 \times 10^{-2}$)	$\leq 8 \times 10^{-2}$ ($\leq 6 \times 10^{-2}$)
Ultimate total pressure with gas ballast [1]	mbar (Torr)	≤ 0.7 (≤ 0.5)	≤ 0.7 (≤ 0.5)	≤ 0.7 (≤ 0.5)	≤ 0.7 (≤ 0.5)
Water vapor tolerance with standard gas ballast [1] with big gas ballast [2]	 mbar (Torr) mbar (Torr)	 30.0 (22.5) 50.0 (37.5)	 40.0 (30.0) 50.0 (37.5)	 30.0 (22.5) 50.0 (37.5)	 40.0 (30.0) 50.0 (37.5)
Water vapor capacity with standard gas ballast	 $kg \times h^{-1}$ (qt/hr)	 3.4 (3.6)	 5.4 (5.7)	 5.4 (5.7)	 7.4 (7.8)
Oil capacity, min. / max.	l (qt)	5.0 (5.3) / 9.0 (9.5)	5.0 (5.3) / 9.0 (9.5)	8.5 (8.9) / 11.5 (12.1)	8.5 (8.9) / 11.5 (12.1)
Noise level [3]	dB(A)	69	73	70	74
Admissible ambient temperature	°C (°F)	12 to 40 (54 to 104)	12 to 40 (54 to 104)	12 to 40 (54 to 104)	12 to 40 (54 to 104)
Motor power	kW (hp)	4.0 (5.5)	4.6 (6.2)	5.5 (7.5)	6.3 (8.5)
Nominal speed	min^{-1} (rpm)	1450 (1450)	1750 (1750)	1450 (1450)	1750 (1750)
Type of protection	IP	55	TEFC/55 [4]	55	TEFC/55 [4]
Weight (with oil filling)	kg (lbs)	140 (308.7)	155 (341.8)	180 (396.9)	195 (430.0)
Dimensions (W x H x D)	mm (in.)	940 x 535 x 415 (37.0 x 21.06 x 17.71)	940 x 535 x 415 (37.0 x 21.06 x 17.71)	1080 x 535 x 415 (42.51 x 21.06 x 17.71)	1080 x 535 x 415 (42.51 x 21.06 x 17.71)
Connections [5] Intake, Thread Exhaust, Thread	 G or NPT G or NPT	 2" 2"	 2" 2"	 2" 2"	 2" 2"

[1] To DIN 28 400 and following numbers

[2] Ordering Information see Section “Accessories”

[3] Operated at the ultimate pressure without gas ballast, free-field measurement at a distance of 1 m

[4] CEI motor (Europe) 50/60 Hz has IP 55, NEMA motor (North and South America) has TEFC

[5] Pumps with European and Japanese motors have G, pumps with US (NEMA) motors have NPT

Ordering Information	SOGEVAC SV 200 50/60 Hz	SOGEVAC SV 300 50/60 Hz
SOGEVAC SV 200/SV 300 [1]		
with three-phase motor,		
without gas ballast		
230/400 V, 50 Hz and 460 V, 60 Hz (CEI) [2]	**Part No. 109 26**	**Part No. 109 30**
200 V, 50/60 Hz (JIS)	**Part No. 955 26**	**Part No. 955 36**
with three-phase motor and		
integrated gas ballast valve		
230/400 V, 50 Hz and 460 V, 60 Hz (CEI) [2]	**Part No. 109 27**	**Part No. 109 31**
208 - 230/460 V, 60 Hz (NEMA)		
and 400 V, 50 Hz [2]	**Part No. 950 27**	**Part No. 950 31**
200 V, 50/60 Hz (JIS)	**Part No. 955 27**	**Part No. 955 37**
Other voltages/frequencies [3]	**upon request**	**upon request**
Filling with special oil [3]	**upon request**	**upon request**
Accessories		
Adaptor for Roots pump [3], [4]		
RUVAC 501 (BR 2)	**Part No. 953 90**	**Part No. 953 90**
RUVAC 1001 (BR 2)	**Part No. 953 91**	**Part No. 953 91**
Mounting pedestal for fitting to a Roots pump	**Part No. 711 19 209**	**Part No. 711 19 209**
Oil level monitor [3], [4]	**Part No. 953 96**	**Part No. 953 96**
Thermal switch [3], [4]	**Part No. 951 36**	**Part No. 951 36**
Exhaust filter gauge, mechanical [3], [4]	**Part No. 951 94**	**Part No. 951 94**
Exhaust filter monitoring switch, electric [3]	**upon request**	**upon request**
Manual gas ballast [3], [4]	**Part No. 951 30**	**Part No. 951 30**
Gas ballast valve, electromagnetic 24 V DC [3], [4]	**Part No. 951 31**	**Part No. 951 31**
Two gas ballast valves [3]	**upon request**	**upon request**
Water cooling with thermostatic valve [3]	**upon request**	**upon request**
Spare Parts		
Oil filter	**Part No. 710 18 858**	**Part No. 710 18 858**
Exhaust filter cartridge (4x required)	**Part No. 710 64 763**	**Part No. 710 64 773**
Vanes (set of 3 pieces)	**Part No. 714 12 000**	**Part No. 714 12 010**
Set of gaskets NBR (standard)	**Part No. 971 97 552**	**Part No. 971 97 652**
Set of gaskets FKM	**Part No. 714 36 730**	**Part No. 714 36 740**
Repair kit complete	**Part No. 714 36 190**	**Part No. 714 36 20**
Pump module complete	**Part No. 714 36 770**	**Part No. 714 36 780**

[1] Pumps with European and Japanese motors have G, pumps with US (NEMA) have NPT
[2] IEC motor (Europe) 50/60 Hz have IP 55, NEMA motor have TEFC
[3] Please indicate when ordering a pump
[4] Can be retrofitted

Note: Further pump options upon request (for example, water cooled pumps)

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