



Leybold SV-70, 105, 200, 300FP

Technical Specifications

		SOGEVAC SV 70 FP		SOGEVAC SV 105 FP	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹ (cfm)	59.0 (34.8)	71.0 (41.8)	97.5 (57.4)	117.0 (68.9)
Pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	54.0 (31.8)	64.0 (37.7)	87.5 (51.5)	105.0 (61.8)
Ultimate partial pressure without gas ballast ¹⁾	mbar (Torr)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)
Ultimate total pressure with gas ballast ¹⁾	mbar (Torr)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)
Maximum permissible Water vapor capacity	kg x h ⁻¹ (qt/hr)	1.0 (1.1)	1.25 (1.33)	1.6 (1.7)	1.7 (1.8)
Motor power	kW (hp)	1.5 (2.0)	1.8 (2.4)	2.2 (3.0)	3.5 (4.7)
Noise level ²⁾	dB(A)	60	64	61	64
Oil capacity	l (qt)	2.0 (2.1)	2.0 (2.1)	2.0 (2.1)	2.0 (2.1)
Connections					
Intake side	G or NPT	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Pressure side	G or NPT	1 1/4"	1 1/4"	1 1/4"	1 1/4"

		SOGEVAC SV 200 FP		SOGEVAC SV 300 FP	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹ (cfm)	180 (106)	220 (130)	280 (165)	340 (200)
Pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	170 (100)	200 (118)	240 (141)	290 (171)
Ultimate partial pressure without gas ballast ¹⁾	mbar (Torr)	≤ 0.08 (≤ 0.06)	≤ 0.08 (≤ 0.06)	≤ 0.08 (≤ 0.06)	≤ 0.08 (≤ 0.06)
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)
Maximum permissible Water vapor capacity	kg x h ⁻¹ (qt/hr)	3.4 (3.6)	5.4 (5.7)	1.3 (1.4)	1.8 (1.9)
Motor power	kW (hp)	4.0 (5.4)	4.6 (6.2)	5.5 (7.4)	6.3 (8.4)
Noise level ²⁾	dB(A)	69	73	72	76
Oil capacity	l (qt)	9.0 (9.5)	9.0 (9.5)	11.5 (12.2)	11.5 (12.2)
Connections					
Intake side	G or NPT	2"	2"	2"	2"
Pressure side	G or NPT	2"	2"	2"	2"

¹⁾ To DIN 28 400 and following numbers

²⁾ Operated at the ultimate pressure without gas ballast, free-field measurement at a distance of 1 m (3.5 ft)



PROVAC

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Leybold SV-70, 105, 200, 300FP Features & Benefits

- high pumping speed/footprint ratio by compact design
- lowest cost of ownership by easy maintenance
- maximum tightness & low complexity
- integrated functions & no external pipes
- lowest noise level
- wide range of motors available for all pump sizes
- manual gas ballast & oil filter
- on-site service & repair

Applications

- vacuum packaging • chamber machines • thermoforming • rollstock
- modified atmosphere packaging • stuffing • mixing • tumbling
- vacuum clipping • vacuum cutting • metal can sealing • freeze drying • vacuum cooling