



PROVAC

SALES

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Leybold SV-10FP, 16FP, 25FP, 45FP

Technical Specifications

		SOGEVAC SV 10 FP		SOGEVAC SV 16 FP	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹ (cfm)	11 (6.5)	13.0 (7.7)	16.0 (9.4)	19.0 (11.2)
Pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	9.5 (5.6)	11.5 (6.8)	15.0 (8.8)	17.0 (10.0)
Ultimate partial pressure without gas ballast ¹⁾	mbar (Torr)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)	≤ 1.0 (≤ 0.8)	≤ 1.0 (≤ 0.8)
Ultimate total pressure with gas ballast ¹⁾	mbar (Torr)	≤ 2.5 (≤ 1.9)	≤ 2.5 (≤ 1.9)	≤ 2.0 (≤ 1.5)	≤ 2.0 (≤ 1.5)
Maximum permissible Water vapor capacity	kg x h ⁻¹ (qt/hr)	0.02 (0.02)	0.03 (0.03)	0.03 (0.03)	0.05 (0.05)
Motor power	kW (hp)	0.55 (0.75)	0.75 (1.02)	0.55 (0.75)	0.75 (1.02)
Noise level ²⁾	dB(A)	60	64	60	64
Oil capacity	l (qt)	0.5 (0.53)	0.5 (0.53)	0.5 (0.53)	0.5 (0.53)
Connections ³⁾					
Intake side ⁴⁾	G or NPT	3/4" + 1/2"	3/4" + 1/2"	3/4" + 1/2"	3/4" + 1/2"
Pressure side	G or NPT	—	—	—	—

		SOGEVAC SV 25 FP		SOGEVAC SV 45 FP	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹ (cfm)	26.0 (15.3)	31.0 (18.3)	44.0 (25.9)	53.0 (31.2)
Pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	22.5 (13.3)	25.0 (14.7)	38.5 (22.7)	47.0 (27.7)
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)	≤ 0.8 (≤ 0.6)	≤ 0.8 (≤ 0.6)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)
Maximum permissible water vapor capacity	kg x h ⁻¹ (qt/hr)	0.085 (0.09)	0.1 (0.11)	0.76 (0.81)	0.9 (0.95)
Motor power	kW (hp)	0.9 (1.2)	1.1 (1.5)	1.1 (1.5)	1.5 (2.0)
Noise level ²⁾	dB(A)	64	67	58	60
Oil capacity	l (qt)	0.5 (0.53)	0.5 (0.53)	1.0 (1.05)	1.0 (1.05)
Connections ³⁾					
Intake side ⁴⁾	G or NPT	3/4" + 1/2"	3/4" + 1/2"	1 1/4"	1 1/4"
Pressure side	G or NPT	3/4"	3/4"	1 1/4"	1 1/4"

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)

³⁾ 1/2" adapter supplied. Basic port is 3/4"

⁴⁾ Single-phase motors do not have plugs, cords or ON/OFF switches



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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 • stuffing • mixing • vacuum clipping • vacuum cutting