

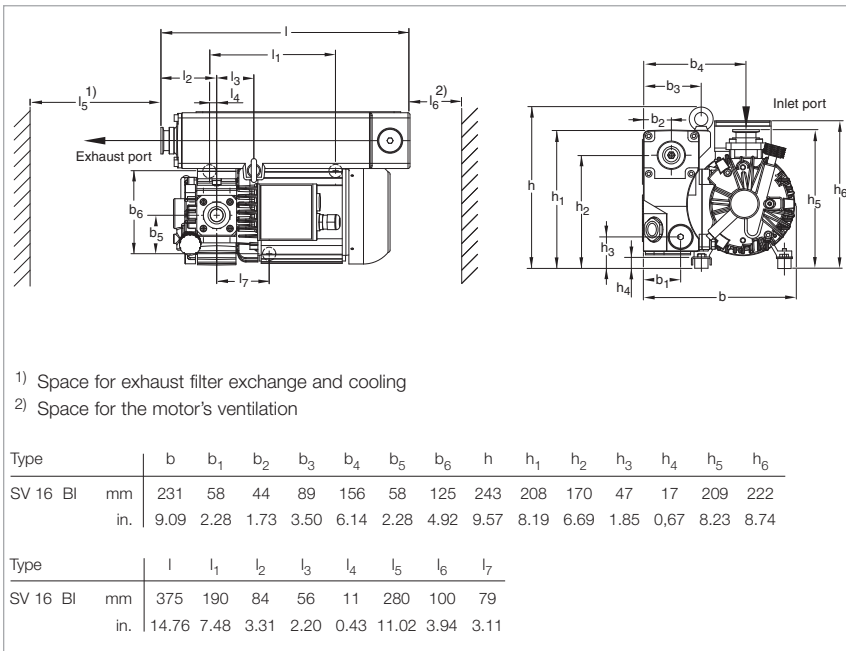
SOGEVAC SV 16 BI



SOGEVAC SV 16 BI

Advantages to the User

- 1 decade better ultimate pressure compared to SOGEVAC SV 16 B
- Integrated exhaust filter
- Integrated oil recovery system and anti suckback valve
- Extremely low noise level
- High reliability
- Variant concept
- Customer specific configurations
- High pumping speed stability at low pressure



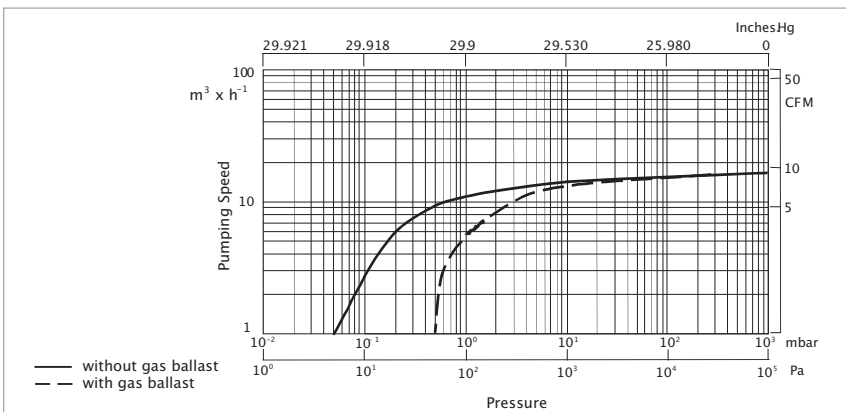
Dimensional drawing for the SOGEVAC SV 16 BI

Typical Applications

- Mass spectrometry
- Lyophilisation
- Laboratory
- Refrigeration and air-conditioning
- Lamps and bulbs
- ... and more

Supplied Equipment

- Switch and power cord on single phase pumps



Pumping speed characteristics of the SOGEVAC SV 16 BI at 50 Hz (60 Hz curves at the end of the section)

Technical Data

SOGEVAC SV 16 BI

		50 Hz	60 Hz
Nominal pumping speed	m ³ x h ⁻¹ (cfm)	18.0 (10.6)	20.5 (12.1)
Pumping speed (according to PNEUROP)	m ³ x h ⁻¹ (cfm)	16.5 (9.7)	19.0 (11.2)
Ultimate partial pressure without gas ballast	mbar (Torr)	≤ 5 x 10 ⁻² (≤ 3.75 x 10 ⁻²)	≤ 5 x 10 ⁻² (≤ 3.75 x 10 ⁻²)
Ultimate total pressure with gas ballast	mbar (Torr)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)
Water vapor tolerable load with gas ballast	g x h ⁻¹ (qt/hr)	30.0 (0.03)	50.0 (0.05)
Motor power			
three-phase	kW (hp)	0.55 (0.75)	0.65 (0.88)
single-phase	kW (hp)	0.55 (0.75)	0.65 (0.88)
Mains voltage and frequency	V	see "Ordering Information"	see "Ordering Information"
Rated rotational speed	min ⁻¹ (rpm)	1500 (1500)	1800 (1800)
Type of protection			
three-phase	IP	55-F	55-F
single-phase	IP	54-F	54-F
Leak rate	mbar x l x s ⁻¹	≤ 1 x 10 ⁻³	≤ 1 x 10 ⁻³
Oil capacity	l (qt)	0.5 (0.53)	0.5 (0.53)
Weight (with oil)			
three-phase	kg (lbs)	26 (57.4)	26 (57.4)
single-phase	kg (lbs)	27 (59.6)	27 (59.6)
Connections			
intake	DN	25 KF	25 KF
exhaust	DN	25 KF	25 KF

Ordering Information

SOGEVAC SV 16 BI 50/60 Hz

SOGEVAC SV 16 BI with three-phase motor without gas ballast 230/400 V, 50 Hz and 230/400 - 460 V, 60 Hz	Part No. 960 280
with gas ballast 230/400 V, 50 Hz and 230/400 - 460 V, 60 Hz	Part No. 960 281
with single-phase motor with gas ballast 230 V, 50/60 Hz	Part No. 960 286
Other voltages/frequencies	upon request
Filling with special oil	upon request
Exhaust filter cartridge AFE SV10B/16B	Part No. 714 16 340
Repair kit	Part No. 971 443 220
Set of seals	Part No. 714 19 490
Service kit	Part No. 971 423 450
For further accessories on pump inlet see Chapter "Accessories for TRIVAC" in the Product Section C01 "TRIVAC"	