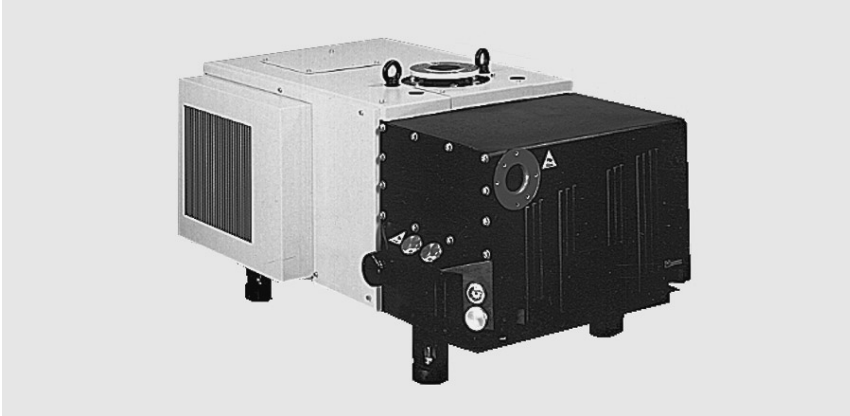
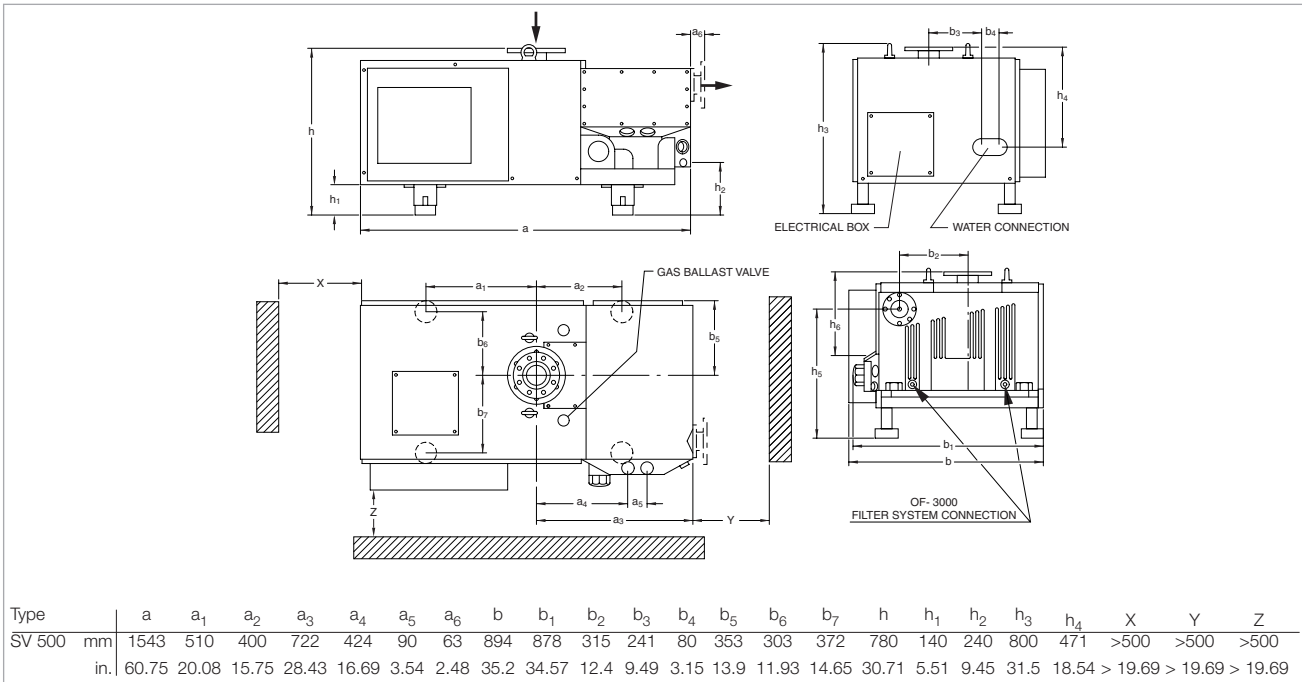


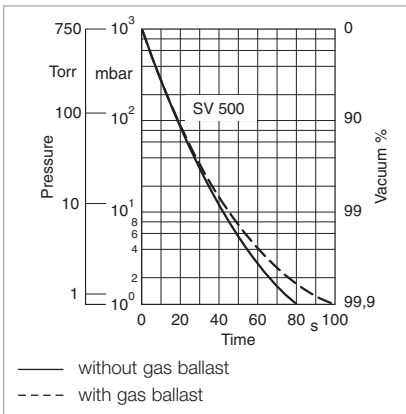
SOGEVAC SV 500



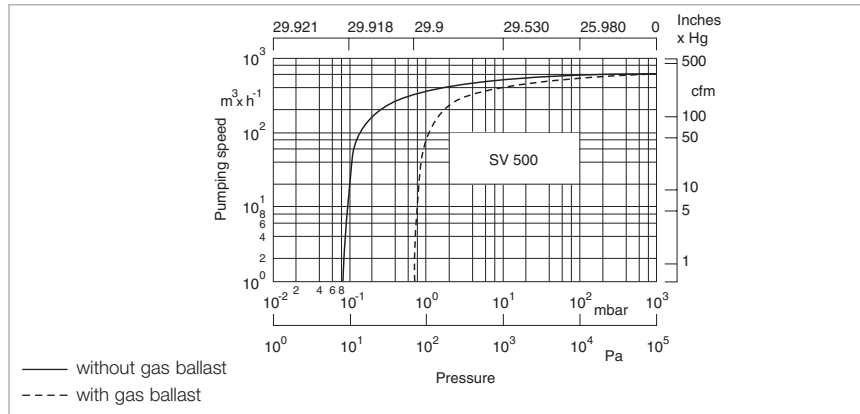
SOGEVAC SV 500



Dimensional drawing for the SOGEVAC SV 500



Pump-down characteristics of a 1000 l vessel at 50 Hz



Pumping speed characteristics of the SOGEVAC SV 500 at 50 Hz (60 Hz curves at the end of the section)

Technical Data

SOGEVAC SV 500

		50 Hz	60 Hz
Nominal speed ¹⁾	m ³ x h ⁻¹ (cfm)	570 (335.7)	570 (335.7)
Pumping speed ¹⁾	m ³ x h ⁻¹ (cfm)	510 (300.4)	510 (300.4)
Ultimate partial pressure ¹⁾ without gasballast	mbar (Torr)	< 8 x 10 ⁻² (< 6 x 10 ⁻²)	< 8 x 10 ⁻² (< 6 x 10 ⁻²)
Gas ballast	Number / base type	1 + (1 option) / manual	1 + (1 option) / manual
Ultimate total pressure with standard gas ballast	mbar (Torr)	< 1 (< 0.75)	< 1 (< 0.75)
Water vapor tolerance with 1 gas ballast	mbar (Torr)	40 (30)	40 (30)
with 2 gas ballasts	mbar (Torr)	60 (45)	60 (45)
Water vapor capacity with 1 gas ballast	kg x h ⁻¹ (qt/hr)	13.0 (14.0)	13.0 (14.0)
with 2 gas ballasts	kg x h ⁻¹ (qt/hr)	19.5 (20.6)	19.5 (20.6)
Noise level ²⁾	dB(A)	71	71
Motor power / Nominal speed	kW (hp) / min ⁻¹	11 (15) / 1500	11 (15) / 1800
Mains voltage	V	400 Δ (± 10 %)	400 Δ (± 10 %)
Type of protection	IP	54-F	54-F
Pump rated rotational speed	min ⁻¹ (rpm)	880 (880)	880 (880)
Thermal switch (pump)		yes	yes
Capacity, min. / max.	l (qt)	35 (37) / 38 (40)	35 (37) / 38 (40)
Weight (with oil)	kg (lbs)	630 (1391)	630 (1391)
Cooling		Air (water ³⁾)	Air (water ³⁾)
Connections			
Intake	DN	100 PN 10 & 100 ISO-K	4" ANSI 150 - 100 ISO-K
Exhaust	DN	ø 80 DN 100 PN 10 & 100 ISO-K ³⁾	4" ANSI 150 - 100 ISO-K -

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⁾ Option

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

Ordering Information

SOGEVAC SV 500

50/60 Hz

SOGEVAC SV 500 ¹⁾ with three-phase motor, integrated gas ballast valve (manual), air-cooled and thermal switch (pump) 200 V, 50/60 Hz (JIS) 400c V, 50 Hz (+10% -6%) (CEI) 230/460 V, 60 Hz (NEMA) [400 V, 50 Hz] Other voltages/frequencies ²⁾ Filling with special oil ²⁾	Part No. 956 54 Part No. 956 55 Part No. 956 57 upon request upon request
Accessories	
Adaptor for Roots pump ^{2), 3)} RUVAC 1001 RUVAC 2001	Part No. 953 47 Part No. 953 48
Oil level monitor ^{3), 4)}	Part No. 953 97
Exhaust filter gauge, mechanical ^{2), 3)}	Part No. 951 95
Exhaust filter monitoring switch, electric ²⁾	upon request
Water cooling with thermostatic valve ²⁾	upon request
Second gas ballast valve ^{2), 3)}	upon request
Exhaust DN 100 PN 10 - 100 ISO-K (Europe only) ^{2), 3)}	Part No. 951 89
Intake flange, DN 100 ISO-K ^{2), 3)}	standard
Side exhaust, DN 100 ISO-K ^{2), 3)}	Part No. 951 88
Spare Parts	
Oil filter	Part No. 714 05 318
Exhaust filter cartridge (8x required)	Part No. 710 64 773
Vanes (set of 3 pieces)	Part No. 714 12 020
Set of gaskets NBR / FPM (standard)	Part No. 971 97 701
Set of gaskets FKM	Part No. 714 05 380
Repair kit complete	Part No. 714 19 360

¹⁾ Junction box with six terminals for star/delta circuit

²⁾ Please indicate when ordering a pump

³⁾ Can be retrofitted

⁴⁾ Option

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