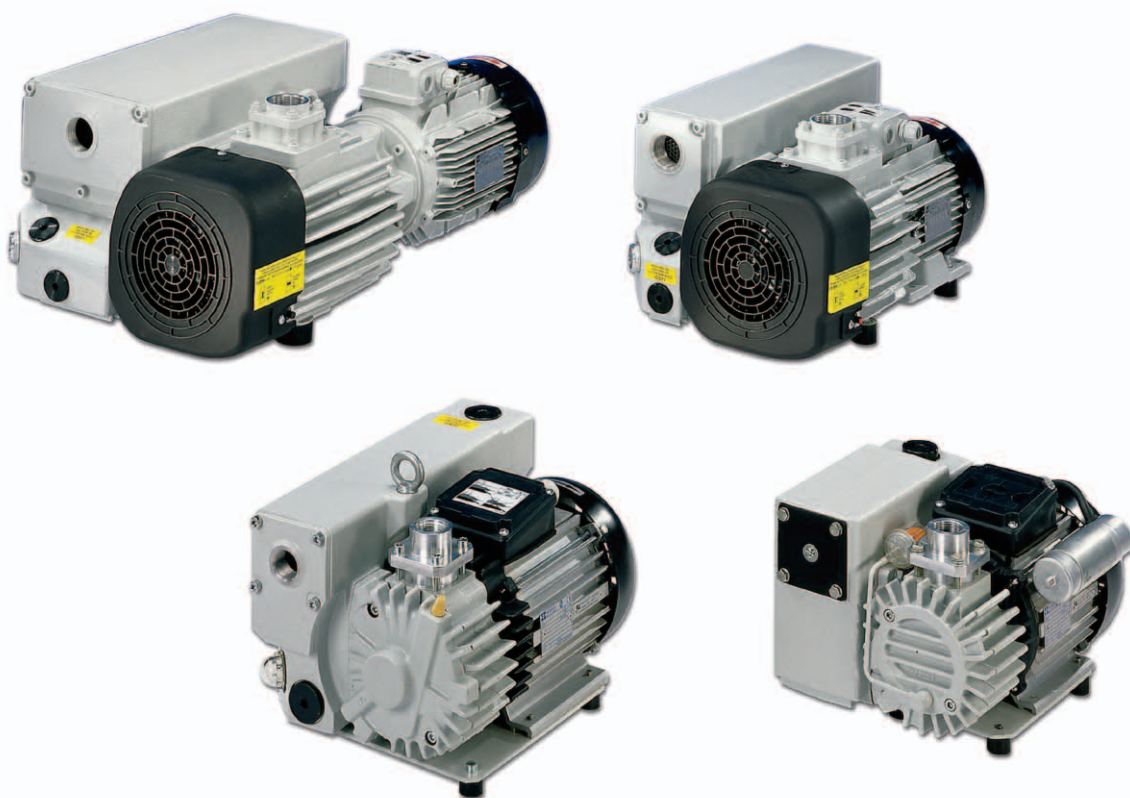


SOGEVAC Rotary Vane Vacuum Pumps

Single-stage, oil-sealed
SV10 B, SV16 B, SV25 B
SV40 B, SV65 B, SV100 B,
SV120 B



SOGEVAC SV10 B - SV120 B

Single-stage, oil-sealed Rotary Vane Vacuum Pumps

The SOGEVAC range of rotary vane vacuum pumps is setting new standards and offers following major characteristics:

- Compact design and small footprint
- Very low and constant noise level in any working condition
- Integrated functions, no external pipe
- No motor coupling up to SV65 B
- Variant concept / specific customer configurations
- ATEX versions for categories 2 and 3, from SV40 B to SV120 B
- PFPE versions (SV65 B and SV100 B) for O₂ applications
- Simplified maintenance



SOGEVAC SV100 B



SOGEVAC SV40 B

All this without any concession to the high technical performance of the SOGEVAC pumps such as ultimate pressure, pump-down time, water vapor tolerance, etc.

Compact design and small footprint

The SOGEVAC B pumps allow space saving in your developments with minimum customer design constraints. These pumps can also replace almost any pump in the field without requiring special adaptations.

Very low and constant noise level in any working conditions

Improved lubrication circuits and mechanical tolerances provide a constant low noise level at all working pressures. This provides a new standard in work-area comfort to those operating your system.

Integrated functions

All lubrication circuits as well as the gas ballast system have been integrated into the pumps' major components allowing limited sealings and a reduced number of parts. As a result, improved product reliability and durability is gained with prolonged maintenance intervals.

Single-stage, oil-sealed Rotary Vane Vacuum Pumps

No motor coupling up to SV65 B

The rugged concept of the cantilever motor shaft design allows to avoid a coupling element, which increases the capacity for frequent start/stop or short-cycle operations.

Variant concept / Specific customer configurations

The range of SOGEVAC B pumps can of course be customized to fit individual customer needs. Different motor versions, inlet or exhaust ports, food-grade oil, food-grade paint, larger gas ballast are some examples of possible customizing.

Simplified maintenance

The SOGEVAC B pumps carry on with the proven and user-friendly maintenance concept of the former generation. All maintenance points are located on the front of the pump.

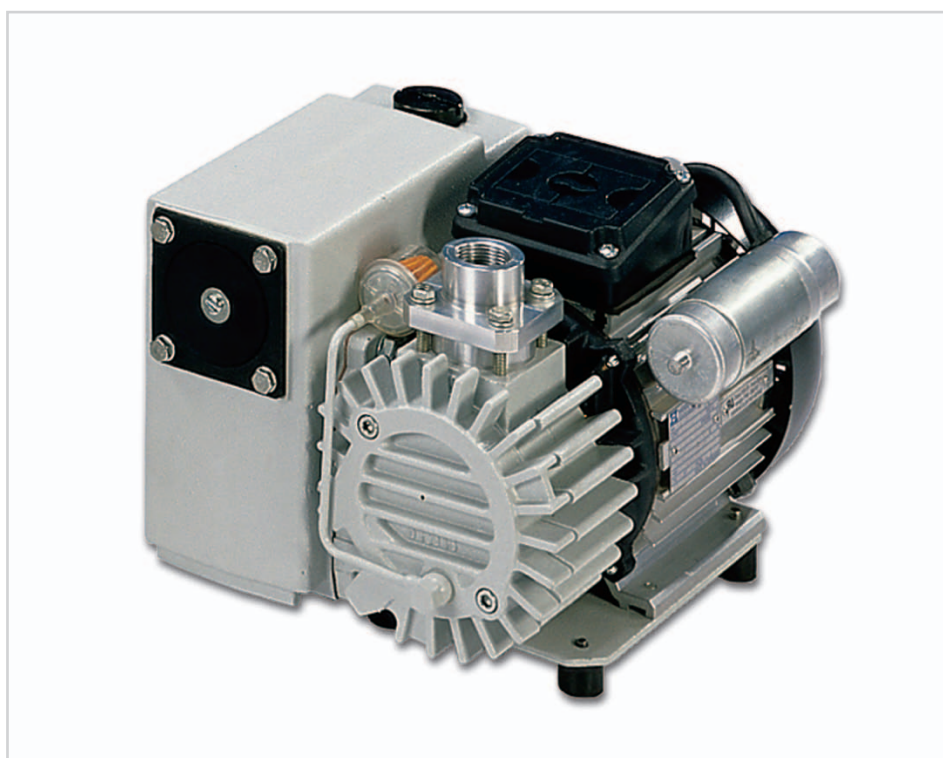
Enhancements include an unambiguous angle mounted oil-sight glass offering visibility from two sides and a unique system that allows an easier exhaust demister replacement.

All these features make the SOGEVAC B pumps more than ever suitable for almost all rough vacuum applications, such as:

- Vacuum packaging (chamber machines, table top machines, modified atmosphere, rollstock...)
- Central vacuum systems
- Degassing
- Drying / Filling
- Impregnation
- Leak testing
- CO₂ Laser
- Handling / Lifting
- Lamination



SOGEVAC SV25 B



SOGEVAC SV10 B - SV16 B

Technical Data

SOGEVAC rotary vane vacuum pumps at 50 Hz		SV10 B	SV16 B	SV25 B	SV40 B	SV65 B	SV100 B	SV120 B
Nominal pumping speed	m ³ · h ⁻¹	11	16	26	44	59	97,5	130
Pumping speed (according to PNEUROP)	m ³ · h ⁻¹	9.5	15	22.5	38.5	54	87,5	110
Ultimate partial pressure without gas ballast	mbar	≤ 1.5	≤ 1	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Ultimate total pressure with small gas ballast	mbar	-	-	-	≤ 0.8	≤ 0.8	≤ 0.8	-
Ultimate total pressure with standard gas ballast	mbar	≤ 2.5	≤ 2	≤ 0.8	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Water vapor tolerance								
with small gas ballast	mbar	-	-	-	10	10	10	-
with standard gas ballast		10	10	10	30	30	30	30
Permissible water vapor load								
with small gas ballast	kg · h ⁻¹	-	-	-	0.28	0.36	0.45	-
with standard gas ballast		0.02	0.03	0.085	0.76	1.0	1.6	1.6
Motor power	kW	0.55	0.55	0.9	1.1	1.5	2.2	2.4
Rated rotational speed	min ⁻¹	3000	3000	3000	1500	1500	1500	1500
Noise level	dB(A)	60	60	64	58	60	61	61
Oil capacity	l	0.5	0.5	0.5	1	2	2	2
Weight (with oil filling)	kg	20	20	27	43	49	81	84
Intake connection		G 3/4 + G 1/2				G 1 1/4		
Exhaust connection		-	-	G 3/4		G 1 1/4		

SOGEVAC rotary vane vacuum pumps at 60 Hz		SV10 B	SV16 B	SV25 B	SV40 B	SV65 B	SV100 B	SV120 B
Nominal pumping speed	m ³ · h ⁻¹	13	19	31	53	71	117	147
Pumping speed (according to PNEUROP)	m ³ · h ⁻¹	11.5	17	25	47	64	105	122
Ultimate partial pressure without gas ballast	mbar	≤ 1.5	≤ 1	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Ultimate total pressure with small gas ballast	mbar	-	-	-	≤ 0.8	≤ 0.8	≤ 0.8	-
Ultimate total pressure with standard gas ballast	mbar	≤ 2.5	≤ 2	≤ 0.8	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Water vapor tolerance								
with small gas ballast	mbar	-	-	-	10	10	10	-
with standard gas ballast		15	15	10	30	30	30	30
Permissible water vapor load								
with small gas ballast	kg · h ⁻¹	-	-	-	0.34	0.42	0.6	-
with standard gas ballast		0.03	0.05	0.1	0.90	1.25	1.7	1.7
Motor power	kW	0.65	0.65	1.1	1.5	1.8	3.5	3.2
Rated rotational speed	min ⁻¹	3600	3600	3600	1800	1800	1800	1800
Noise level	dB(A)	66	66	67	60	64	64	64
Oil capacity	l	0.5	0.5	0.5	1	2	2	2
Weight (with oil filling)	kg	20	20	27	45	52	93	84
Intake connection		G 3/4 + G 1/2				G 1 1/4		
Exhaust connection		-	-	G 3/4		G 1 1/4		

For detailed information on our full scope of SOGEVAC pumps, please refer to our general catalog. Visit our webshop www.leyboldproducts.com.

Please contact us for more technical details on the entire SOGEVAC series.



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