

# COMPLETE PRODUCT RANGE

Vacuum Pumps and Systems, Compressors  
and Pressure/Vacuum Pumps

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Официальный представитель в России и СНГ компания ООО "СибВест"

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## SV

## SIDE CHANNEL BLOWERS

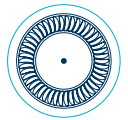
- Non-contact compression
- Single or double stage
- Air-cooled



SV 300



SV 1100



		m <sup>3</sup> /h <sup>1)</sup>											m <sup>3</sup> /h <sup>1)</sup>	
mbar absolute		1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	@ max.	
mbar relative		0	+50	+100	+150	+200	+250	+300	+350	+400	+450	+500	mbar (rel.)	
<b>Single stage</b>														
<b>SV 1.50/3</b>	50 Hz	41	22	3									3	+100
	60 Hz	48	30	8									8	+100
<b>SV 5.90/1</b>	50 Hz	76	48										22	+95
	60 Hz	87	61										50	+70
<b>SV 130/1</b>	50 Hz	130	104	81	60	37	26						14	+280
	60 Hz	160	134	115	94	76	58	42					42	+300
<b>SV 200/1</b>	50 Hz	180	138	106	80	52							37	+225
	60 Hz	230	182	149	122	97							86	+220
<b>SV 201/1</b>	50 Hz	190	158	132	110	90	73	57					45	+340
	60 Hz	230	199	173	150	129	111	94					85	+330
<b>SV 300/1</b>	50 Hz	325	287	251	218	186	158	133	110				102	+370
	60 Hz	390	357	324	293	262	233	203					181	+340
<b>SV 400/1</b>	50 Hz	390	354	319	285	253	222	193	165	140			127	+425
	60 Hz	470	435	399	365	332	301	272	244	218			213	+410
<b>SV 500/1</b>	50 Hz	510	470	431	395	361	327	300	269	242			225	+435
	60 Hz	610	572	541	507	474	441	408	375	341			337	+405
<b>SV 700/1</b>	50 Hz	750	687	628	577	527	477	427	375	324			324	+400
	60 Hz	900	833	775	720	668	616	564	509	455			455	+400
<b>SV 1100/1</b>	50 Hz	1050	978	912	845	780	815	652	588				539	+390
	60 Hz	1250	1176	1108	1039	972	905	840	775				775	+350
<b>Double stage</b>														
<b>SV 5.90/2</b>	50 Hz	42	32	23	15	8							2	+240
	60 Hz	50	41	33	24	15							11	+225
<b>SV 130/2</b>	50 Hz	70	58	49	42	34	28	23	19	14			14	+400
	60 Hz	85	76	67	60	52	44	40	34				30	+390
<b>SV 200/2</b>	50 Hz	90	74	62	52	45	37	30	21	13			11	+410
	60 Hz	110	96	83	73	64	56	49	42	35			30	+430
<b>SV 201/2</b>	50 Hz	90	83	74	66	59	52	45	39	33			31	+420
	60 Hz	110	102	94	87	79	72	66	60	54			54	+400
<b>SV 300/2</b>	50 Hz	160	145	133	122	111	100	90	80	70	61		50	+515
	60 Hz	190	177	166	155	145	135	125	116	107	90		90	+450
<b>SV 400/2</b>	50 Hz	195	181	168	156	143	132	121	111	101	93	84	80	+530
	60 Hz	235	223	211	200	190	179	169	160	151	142	134	134	+500
<b>SV 500/2</b>	50 Hz	260	238	219	202	186	172	157	144	131	120		113	+480
	60 Hz	305	290	273	258	244	231	217	209	195	184	172	165	+530
<b>SV 700/2</b>	50 Hz	370	356	341	327	312	299	286	275	264	254	245	245	+500
	60 Hz	440	426	413	399	385	372	360	350	338	326		321	+470
<b>SV 1100/2</b>	50 Hz	520	502	484	466	448	430	414	398	382	366	350	350	+500
	60 Hz	610	594	578	562	546	530	514	498	482			479	+410

<sup>1)</sup> Reference (atmosphere): 1000 mbar, 20°C / tolerance: ±10%

Technical data													
	max. mbar relative		kW 3~		kW 1~		db(A)		kg	mm			Connection
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		Length	Width	Height	
<b>Single stage</b>													
<b>SV 1.50/3</b>	+100	+100	0.18	0.21	0.15		62.0	63.0	8.0	225	220	235	1"
<b>SV 5.90/1</b>	+95	+70	0.37	0.44	0.37	0.44	63.0	64.0	13.0	262	232	325	1 ¼"
<b>SV 130/1</b>	+75	+60	0.55	0.66	0.55	0.66	61.2	64.0	21.0	398	264	309	1 ½"
	+125	+110	0.75	0.9	0.75	0.9	61.2	64.0	22.0	384	264	309	1 ½"
	+210	+195	1.1	1.29	1.1	1.3	63.9	64.7	22.5	387	264	309	1 ½"
	+240	+235	1.25	1.5			64.2	65.3	24.5	407	264	309	1 ½"
	+280	+300	1.5	1.8	1.5	1.8	64.2	65.3	26.0	427	264	309	1 ½"
<b>SV 200/1</b>	+145	+130	1.1	1.29	1.1	1.3	64.6	68.2	25.5	421	306	357	2"
	+225	+220	1.5	1.8	1.5	1.8	64.6	68.2	28.5	431	306	357	2"
<b>SV 201/1</b>	+135	+120	1.1	1.29	1.1	1.3	63.9	68.0	25.5	421	306	357	2"
	+210	+200	1.5	1.8	1.5	1.8	65.0	68.0	28.5	431	306	357	2"
	+340	+330	2.2	2.65			68.3		32.5	452	306	357	2"
<b>SV 300/1</b>	+165	+140	2.2	2.65			66.9	68.9	40.0	469	370	426	2 ½"
	+250	+230	3.0	3.6			71.1	69.4	42.5	494	370	426	2 ½"
	+370	+340	4.0	4.8			72.8	73.4	54.5	538	370	426	2 ½"
<b>SV 400/1</b>	+200	+180	3.0	3.6			71.6	74.2	52.5	489	390	454	3"
	+290	+270	4.0	4.8			71.6	74.2	53.0	502	390	454	3"
	+425	+410	5.5	6.6			76.8	76.1	54.5	536	390	454	3"
<b>SV 500/1</b>	+190	+175	4.0	4.8			71.6	74.1	61.5	496	474	523	3"
	+295	+275	5.5	6.6			71.6	74.1	66.5	530	474	523	3"
	+435	+405	7.5	9.0			75.4	77.4	75.5	600	474	523	3"
<b>SV 700/1</b>	+185	+150	5.5	6.6			71.0	72.0	89.0	572	496	596	4"
	+285	+250	7.5	9.0			72.0	74.0	112.0	614	496	596	4"
	+400	+400	11.0	13.2			73.0	75.0	119.0	635	496	596	4"
<b>SV 1100/1</b>	+140	+110	7.5	9.0			74.0	76.0	118.0	622	525	611	4"
	+260	+220	11.0	13.2			74.0	76.0	125.0	643	525	611	4"
	+390	+350	15.0	18.0			76.0	79.0	157.0	680	525	611	4"
<b>Double stage</b>													
<b>SV 5.90/2</b>	+240	+225	0.37	0.44	0.37	0.44	62.0	64.0	13.0	265	245	302	1 ¼"
<b>SV 130/2</b>	+160	+140	0.55	0.66	0.55	0.66	59.9	59.4	21.5	398	264	309	1 ½"
	+250	+230	0.75	0.9	0.75	0.9	60.4	60.0	22.5	384	264	309	1 ½"
	+400	+390	1.1	1.29	1.1	1.3	59.8	62.7	23.0	387	264	309	1 ½"
<b>SV 200/2</b>	+300	+260	1.1	1.29	1.1	1.3	64.5	67.6	25.5	426	306	357	2"
	+410	+430	1.5	1.8	1.5	1.8	64.5	67.6	28.5	431	306	357	2"
<b>SV 201/2</b>	+260	+230	1.1	1.29	1.1	1.3	66.9	70.0	25.5	426	306	357	2"
	+420	+400	1.5	1.8	1.5	1.8	66.9	70.0	28.5	431	306	357	2"
<b>SV 300/2</b>	+330	+280	2.2	2.65			68.3	68.5	40.5	469	370	426	2 ½"
	+515	+450	3.0	3.6			71.7	74.5	43.0	494	370	426	2 ½"
<b>SV 400/2</b>	+390	+350	3.0	3.6			73.1	75.1	53.5	489	390	454	3"
	+530	+500	4.0	4.8			73.1	75.1	54.0	502	390	454	3"
<b>SV 500/2</b>	+370	+340	4.0	4.8			69.9	71.6	62.5	496	474	523	3"
	+480	+530	5.5	6.6			69.8	72.2	67.5	530	474	523	3"
<b>SV 700/2</b>	+330	+270	5.5	6.6			71.0	72.0	89.0	572	496	596	4"
	+500	+470	7.5	9.0			72.0	75.0	112.0	614	496	596	4"
<b>SV 1100/2</b>	+260	+180	7.5	9.0			72.0	76.0	118.0	622	525	611	4"
	+500	+410	11.0	13.2			74.0	80.0	125.0	643	525	611	4"

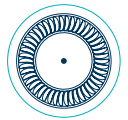
## VARIAIR SV • VARIAIR Speed Flow

### SIDE CHANNEL BLOWERS

- Non-contact compression
- Single or double stage
- Air-cooled
- VARIAIR frequency inverter



VARIAIR SV 300

VASF 2.80<sup>2)</sup>

		m <sup>3</sup> /h <sup>1)</sup>												m <sup>3</sup> /h <sup>1)</sup>	
		1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	@ max.	
mbar absolute		0	+50	+100	+150	+200	+250	+300	+350	+400	+450	+500	+550		mbar (rel.)
<b>Single stage</b>															
<b>VARIAIR SV 130/1</b>	100 Hz	285	265	246	226	207	188	170	151	103				95	+405
<b>VARIAIR SV 201/1</b>	100 Hz	350	335	314	293	273	222	137						40	+340
<b>VARIAIR SV 300/1</b>	87 Hz	560	517	488	420	333	126							76	+255
<b>VARIAIR SV 300/1</b>	100 Hz	640	613	585	558	530	393	257	148					119	+355
<b>VARIAIR SV 400/1</b>	100 Hz	865	818	785	752	720	641	522	357					215	+380
<b>VARIAIR SV 500/1</b>	100 Hz	1000	985	956	925	892	858	824	790	759	678	602		514	+530
<b>VARIAIR SV 700/1</b>	80 Hz	1180	1127	1077	1028	978	926	870	731	443				391	+410
<b>VASF 2.50/1</b>	300 Hz	48	43	40	37.5	35.5	32							0.1	+290 AC +280 DC
<b>VASF 2.80/1</b>	250 Hz	90	80	74	71	67	59							0.1	+280 AC +290 DC
<b>VASF 2.120/1</b>	200 Hz	143	124	117	112	94								0.1	+230 AC
<b>Double stage</b>															
<b>VARIAIR SV 130/2</b>	100 Hz	140	132	126	119	113	107	101	96	91	85	81	76	76	+550
<b>VARIAIR SV 201/2</b>	100 Hz	175	169	163	158	152	147	142	137	130	116	100	81	75	+560
<b>VARIAIR SV 300/2</b>	100 Hz	320	311	302	292	283	274	265	255	239	205	171	137	123	+570
<b>VASF 2.50/2</b>	300 Hz	24	22	21	19.5	18.5	17.5	17	16	15	14.5	13.5	2.7	0.1	+560 AC
<b>VASF 2.80/2</b>	250 Hz	45	41	38	36	34	33	31	30	29	27	17	5	0.1	+570 AC +570 DC
<b>VASF 2.120/2</b>	200 Hz	71	65	60	57	54	52	51	49	46	11			0.1	+460 AC

Technical data							
	Frequency inverter	db(A)	kg	mm			Connection
				Length	Width	Height	
<b>VARIAIR SV 130/X</b>	4.0 kW • 400/480 V ±10% • 50/60 Hz	71.0	30.5	424	264	380	1 ½"
<b>VARIAIR SV 201/X</b>	4.0 kW • 400/480 V ±10% • 50/60 Hz	77.7	32.0	428	306	407	2"
<b>VARIAIR SV 300/1</b> 87 Hz	4.0 kW • 400/480 V ±10% • 50/60 Hz	69.6	46.0	493	370	456	2 ½"
<b>VARIAIR SV 300/X</b> 100 Hz	7.5 kW • 400/480 V ±10% • 50/60 Hz	77.7	49.5	512	370	499	2 ½"
<b>VARIAIR SV 400/1</b>	11–22 kW • 400/480 V ±10% • 50/60 Hz	77.8	75.0	572	390	590	3"
<b>VARIAIR SV 500/1</b>	11–22 kW • 400/480 V ±10% • 50/60 Hz	80.9	97.5	600	474	622	3"
<b>VARIAIR SV 700/1</b>	11–22 kW • 400/480 V ±10% • 50/60 Hz	75.1	120.0	633	496	379	4"
<b>VASF 2.50/X</b>	0.65 kW • AC~ • 200 V -10% ... 230 V +10% • 50/60 Hz	61.0	12.3	353	176	257	1"
	0.60 kW • AC~ • 100 V -10% ... 115 V +10% • 50/60 Hz	61.0	12.3	353	176	257	1"
	0.75–0.77 kW • DC~ • 24 V ±20%	65.0	11.5	353	173	233	1"
<b>VASF 2.80/X</b>	1.1 kW • AC~ • 200 V -10% ... 230 V +10% • 50/60 Hz	61.0	15.0	391	176	291	1 ¼"
	1.1 kW • DC~ • 48 V ±20%	65.0	14.7	391	173	268	1 ¼"
<b>VASF 2.120/X</b>	1.4 kW • AC~ • 200 V -10% ... 230 V +10% • 50/60 Hz	63.0	18.8	432	200	320	1 ½"

<sup>1)</sup> Reference (atmosphere): 1000 mbar, 20°C / tolerance: ±10%

<sup>2)</sup> Optionally with integrated VARIAIR frequency inverter, fan and silencers