

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 VACUUM PUMPS

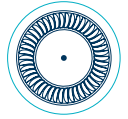
- Non-contact compression
- Single or double stage
- Air-cooled



SV 300



SV 1100



		m ³ /h – Refers to intake pressure ¹⁾									m ³ /h ¹⁾	
mbar absolute		1000	950	900	850	800	750	700	650	600	@ max.	
mbar relative		0	-50	-100	-150	-200	-250	-300	-350	-400	mbar (rel.)	
Single stage												
SV 1.50/3	50 Hz	41	21	0.1							0.1	-100
	60 Hz	48	32	6							6	-100
SV 5.90/1	50 Hz	75	45	12							9	-105
	60 Hz	91	63								44	-80
SV 130/1	50 Hz	130	104	77	51	24					3	-240
	60 Hz	160	136	110	83	57	35				22	-270
SV 200/1	50 Hz	180	138	103	68	26					12	-215
	60 Hz	230	181	143	108	71					47	-230
SV 201/1	50 Hz	190	159	131	104	76	51				38	-275
	60 Hz	230	198	170	142	115	89				72	-285
SV 300/1	50 Hz	325	284	242	203	160	121				87	-290
	60 Hz	390	350	311	271	227	185	135			127	-310
SV 400/1	50 Hz	390	354	315	274	231	186	138			123	-315
	60 Hz	470	435	397	356	312	266	216			174	-340
SV 500/1	50 Hz	510	472	427	384	343	300	252			191	-355
	60 Hz	610	580	540	499	456	410	361			286	-370
SV 700/1	50 Hz	750	684	613	547	475	407	326			258	-340
	60 Hz	900	832	763	697	631	560	483			424	-340
SV 1100/1	50 Hz	1050	963	878	788	700	603	499			454	-320
	60 Hz	1250	1168	1091	1006	919	824	726			684	-320
Double stage												
SV 5.90/2	50 Hz	43	34	23	14	5					0.1	-230
	60 Hz	50	43	34	27	18					9	-240
SV 130/2	50 Hz	70	58	47	39	31	24	17	9		4	-380
	60 Hz	85	74	65	56	48	40	33	26	18	18	-400
SV 200/2	50 Hz	90	75	60	48	39	27	14			6	-330
	60 Hz	110	95	81	71	60	49	37	23		23	-350
SV 201/2	50 Hz	90	82	72	64	55	47	39	28	17	17	-400
	60 Hz	110	101	92	84	74	65	56	46	35	35	-400
SV 300/2	50 Hz	160	144	131	119	105	92	77	63	46	45	-405
	60 Hz	190	177	164	153	140	126	111	97	80	78	-410
SV 400/2	50 Hz	195	181	166	151	136	121	107	92	77	65	-440
	60 Hz	235	222	208	194	180	166	151	136	120	107	-440
SV 500/2	50 Hz	260	240	218	199	177	158	139	122	104	101	-410
	60 Hz	305	292	274	256	238	220	202	183	164	164	-400
SV 700/2	50 Hz	370	350	331	312	293	273	254	232	208	200	-420
	60 Hz	440	421	401	384	365	347	327	308	287	279	-420
SV 1100/2	50 Hz	520	501	480	457	430	405	377	345		318	-390
	60 Hz	610	594	576	555	533	509	483	452		426	-390

¹⁾ 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	
Single stage													
SV 1.50/3	-100	-100	0.18	0.21	0.15	–	62.0	63.0	8.0	225	220	235	1"
SV 5.90/1	-105	-80	0.37	0.44	0.37	0.44	63.0	64.0	13.0	262	232	325	1 ¼"
SV 130/1	-75	-65	0.55	0.66	0.55	0.66	60.9	63.6	21.0	398	264	309	1 ½"
	-125	-115	0.75	0.90	0.75	0.90	60.9	63.6	22.0	384	264	309	1 ½"
	-210	-200	1.10	1.29	1.10	1.30	63.4	64.8	22.5	387	264	309	1 ½"
	-240	-245	1.25	1.50			63.4	64.8	24.5	407	264	309	1 ½"
	-240	-270	1.50	1.80	1.50	1.80	64.0	65.4	26.0	427	264	309	1 ½"
SV 200/1	-150	-140	1.10	1.29	1.10	1.30	63.9	69.2	25.5	421	306	357	2"
	-215	-230	1.50	1.80	1.50	1.80	63.9	69.2	28.5	431	306	357	2"
SV 201/1	-140	-125	1.10	1.29	1.10	1.30	65.2	68.3	25.5	421	306	357	2"
	-220	-210	1.50	1.80	1.50	1.80	66.5	68.2	28.5	431	306	357	2"
	-275	-285	2.20	2.65			66.3		32.5	452	306	357	2"
SV 300/1	-170	-155	2.2	2.65			67.3	68.3	40.0	469	370	426	2 ½"
	-265	-245	3.0	3.6			70.1	71.0	42.5	494	370	426	2 ½"
	-290	-310	4.0	4.8			71.4	72.7	54.5	538	370	426	2 ½"
SV 400/1	-210	-190	3.0	3.6			72.5	74.4	52.5	489	390	454	3"
	-315	-290	4.0	4.8			72.5	74.4	53.0	502	390	454	3"
	-315	-340	5.5	6.6			74.5	74.0	54.5	536	390	454	3"
SV 500/1	-200	-175	4.0	4.8			75.5	76.7	61.5	496	474	523	3"
	-315	-290	5.5	6.6			75.5	76.7	66.5	530	474	523	3"
	-355	-370	7.5	9.0			75.5	76.7	75.5	600	474	523	3"
SV 700/1	-200	-170	5.5	6.6			69.0	71.0	89.0	572	496	596	4"
	-300	-280	7.5	9.0			72.0	73.0	112.0	614	496	596	4"
	-340	-340	11.0	13.2			73.0	74.0	119.0	635	496	596	4"
SV 1100/1	-160	-130	7.5	9.0			73.0	77.0	118.0	622	525	611	4"
	-290	-270	11.0	13.2			75.0	79.0	125.0	643	525	611	4"
	-320	-320	15.0	18.0			75.0	79.0	157.0	680	525	611	4"
Double stage													
SV 5.90/2	-230	-240	0.37	0.44	0.37	0.44	62.0	64.0	13.0	265	245	302	1 ¼"
SV 130/2	-170	-150	0.55	0.66	0.55	0.66	57.3	59.0	21.5	398	264	309	1 ½"
	-270	-250	0.75	0.90	0.75	0.90	60.4	59.6	22.0	384	264	309	1 ½"
	-380	-400	1.10	1.29	1.10	1.30	59.8	62.7	23.0	387	264	309	1 ½"
SV 200/2	-330	-300	1.10	1.29	1.10	1.30	63.7	68.4	25.5	426	306	357	2"
	-330	-350	1.50	1.80	1.50	1.80	63.7	68.4	28.5	431	306	357	2"
SV 201/2	-280	-250	1.10	1.29	1.10	1.30	65.6	68.7	25.5	426	306	357	2"
	-400	-400	1.50	1.80	1.50	1.80	65.6	68.7	28.5	431	306	357	2"
SV 300/2	-350	-315	2.20	2.65			67.8	67.5	40.5	469	370	426	2 ½"
	-405	-410	3.00	3.60			69.9	69.7	43.0	494	370	426	2 ½"
SV 400/2	-440	-400	3.0	3.6			71.1	73.0	53.5	489	390	454	3"
	-440	-440	4.0	4.8			71.1	73.0	54.0	502	390	454	3"
SV 500/2	-280	-240	3.0	3.6			68.9	71.7	58.0	485	474	523	3"
	-410	-400	4.0	4.8			68.9	71.7	62.5	496	474	523	3"
SV 700/2	-390	-360	5.5	6.6			70.0	74.0	89.0	572	496	596	4"
	-420	-420	7.5	9.0			72.0	76.0	112.0	614	496	596	4"
SV 1100/2	-350	-260	7.5	9.0			72.0	75.0	118.0	622	525	611	4"
	-390	-390	11.0	13.2			74.0	78.0	125.0	643	525	611	4"

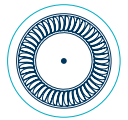
VARIAIR SV • VARIAIR Speed Flow

SIDE CHANNEL VACUUM PUMPS

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



VARIAIR SV 300


 VASF 2.80²⁾


		m ³ /h – Refers to intake pressure ¹⁾									m ³ /h ¹⁾	
mbar absolute		1000	950	900	850	800	750	700	650	600	@ max.	
mbar relative		0	-50	-100	-150	-200	-250	-300	-350	-400	mbar (rel.)	
Single stage												
VARIAIR SV 130/1	100 Hz	285	249	214	180	148	117	87			83	-305
VARIAIR SV 201/1	100 Hz	350	351	331	304	272	238	121			88	-310
VARIAIR SV 300/1	87 Hz	560	532	499	461	350	169				121	-255
VARIAIR SV 300/1	100 Hz	640	621	601	565	522	407	291			219	-305
VARIAIR SV 400/1	100 Hz	865	844	805	759	706	644	544			369	-340
VARIAIR SV 500/1	100 Hz	1000	984	952	914	867	811	742	659		584	-370
VARIAIR SV 700/1	80 Hz	1180	1148	1096	1028	949	867	789			735	-336
VASF 2.50/1	300 Hz	48	43	40.5	37.5	33.5	28 AC 20 DC				0.1	-290 AC -280 DC
VASF 2.80/1	250 Hz	90	79	72	67	61	51				0.1	-280 AC -290 DC
VASF 2.120/1	200 Hz	143	125	115	109	93					0.1	-230 AC
Double stage												
VARIAIR SV 130/2	100 Hz	140	125	112	100	88	76	65	55	45	42	-410
VARIAIR SV 201/2	100 Hz	175	172	166	159	152	144	135	125	113	105	-420
VARIAIR SV 300/2	100 Hz	320	310	302	293	284	268	259	245	229	194	-410
VASF 2.50/2	300 Hz	24	22	20.5	19.5	18.5	17.5	16.5	15	14	0.1	-560 AC -550 DC
VASF 2.80/2	250 Hz	45	42	38	35	33	30	27	24	19	0.1	-500 AC -570 DC
VASF 2.120/2	200 Hz	71	64	59	55	51	48	45	41	34	0.1	-460 AC

Technical data									
	Frequency inverter	db(A)	kg	mm			Connection		
				Length	Width	Height			
VARIAIR SV 130/X	4.0 kW • 400/480 V ±10% • 50/60 Hz	70.0	30.5	424	264	380	1 ½"		
VARIAIR SV 201/X	4.0 kW • 400/480 V ±10% • 50/60 Hz	77.2	32.0	428	306	407	2"		
VARIAIR SV 300/1 87 Hz	4.0 kW • 400/480 V ±10% • 50/60 Hz	70.2	46.0	493	370	456	2 ½"		
VARIAIR SV 300/X 100 Hz	7.5 kW • 400/480 V ±10% • 50/60 Hz	75.0	49.5	512	370	499	2 ½"		
VARIAIR SV 400/1	11–22 kW • 400/480 V ±10% • 50/60 Hz	76.8	75.0	572	390	590	3"		
VARIAIR SV 500/1	11–22 kW • 400/480 V ±10% • 50/60 Hz	80.6	97.5	600	474	622	3"		
VARIAIR SV 700/1	11–22 kW • 400/480 V ±10% • 50/60 Hz	74.5	120.0	633	496	379	4"		
VASF 2.50/X	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"		
VASF 2.80/X	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"		
VASF 2.120/X	1.4 kW • AC~ • 200 V -10% ... 230 V +10% • 50/60 Hz	63.0	18.8	432	200	320	1 ½"		

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

²⁾ Optionally with integrated VARIAIR frequency inverter, fan and silencers