TABLE REGARDING THE QUANTITY OF AIR SUCKED BY GENERATORS AT DIFFERENT VACUUM LEVELS

Art Generator	Supply press. bar (g)	Air consumption Nl/s	Quantity of sucked air (Nl/s) at different vacuum levels (-KPa) 0	10	20	30	40	50	60	70	80	Max. vacuum level -KPa
15 01 10	6	0.9	0.77	0.66	0.61	0.55	0.44	0.29	0.19	0.09	--	83
15 02 10	6	0.9	0.77	0.66	0.61	0.55	0.44	0.29	0.19	0.09	--	83
15 03 10	6	1.8	1.39	1.30	1.15	1.00	0.89	0.77	0.69	0.44	0.04	85
15 04 10	6	1.8	1.39	1.30	1.15	1.00	0.89	0.77	0.69	0.44	0.04	85
PVP 1	5	0.8	0.27	0.25	0.22	0.18	0.12	0.07	0.06	0.03	0.004	85
PVP 2	6	1.0	0.83	0.70	0.65	0.52	0.37	0.23	0.13	0.07	0.007	85
PVP 2 M	6	1.0	0.83	0.70	0.65	0.52	0.37	0.23	0.13	0.07	0.007	85
PVP 3	6	1.5	1.03	0.82	0.72	0.61	0.41	0.24	0.15	0.08	0.008	85
PVP 7 X	6	3.2	2.47	2.28	2.10	1.94	1.44	0.97	0.86	0.54	0.05	85
PVP 7 SX	6	3.2	2.47	2.28	2.10	1.94	1.44	0.97	0.86	0.54	0.05	85
GV 1	5	0.7	0.27	0.23	0.20	0.17	0.13	0.06	0.05	0.03	0.004	85
GV 2	5	0.7	0.27	0.23	0.20	0.17	0.13	0.06	0.05	0.03	0.004	85
GV 3	5	0.7	0.27	0.23	0.20	0.17	0.13	0.06	0.05	0.03	0.004	85
M 3 - M 3 SSX	5	0.8	1.00	0.83	0.61	0.34	0.18	0.12	0.10	0.07	0.03	85
M 7 - M 7 SSX	5	1.4	1.72	1.28	0.89	0.50	0.37	0.27	0.16	0.11	0.05	85
M 10 - M 10 SSX	5	1.9	2.61	2.00	1.55	0.80	0.64	0.50	0.29	0.19	0.09	85
M 14 - M 14 SSX	5	2.5	3.50	2.33	1.72	1.00	0.89	0.67	0.35	0.24	0.11	85
M 18 - M 18 SSX	5	3.6	5.00	3.50	2.78	2.02	1.02	0.75	0.44	0.30	0.14	85
MVG 3	5	0.8	0.89	0.69	0.41	0.23	0.18	0.12	0.10	0.07	0.03	85
MVG 7	5	1.3	1.83	1.44	1.11	0.63	0.41	0.25	0.16	0.11	0.05	85
MVG10	5	1.7	2.55	1.85	1.30	0.75	0.64	0.48	0.30	0.20	0.09	85
MVG14	5	2.1	3.40	2.45	1.84	1.05	0.88	0.61	0.36	0.24	0.11	85
GVMM 3	5	0.8	0.83	0.66	0.38	0.20	0.16	0.11	0.09	0.06	0.02	85
GVMM 7	5	1.3	1.78	1.30	0.98	0.56	0.44	0.29	0.20	0.14	0.06	85
GVMM 10	5	1.7	2.52	2.00	1.66	0.97	0.56	0.40	0.22	0.16	0.07	85
GVMM 14	5	2.1	3.35	2.42	1.84	0.99	0.80	0.58	0.34	0.22	0.10	85
MI 3	5	0.8	0.83	0.66	0.38	0.20	0.16	0.11	0.09	0.06	0.02	85
MI 7	5	1.3	1.78	1.30	0.98	0.56	0.44	0.29	0.20	0.14	0.06	85
MI 10	5	1.7	2.52	2.00	1.66	0.97	0.56	0.40	0.22	0.16	0.07	85
MI 14	5	2.1	3.35	2.42	1.84	0.99	0.80	0.58	0.34	0.22	0.10	85
AVG 18	6	6.4	4.83	4.58	4.04	3.58	2.72	1.90	1.68	1.07	0.10	85
AVG 25	6	9.6	7.00	6.63	5.86	5.18	3.94	2.76	2.44	1.54	0.15	85
PVP 12 MX	6	1.8	5.80	4.14	2.76	1.38	0.98	0.78	0.59	0.41	0.23	90
PVP 25 MX	6	3.2	8.61	6.15	4.10	2.05	1.46	1.17	0.88	0.61	0.35	90
PVP 40 M	6	3.2	11.66	8.32	5.55	2.77	1.98	1.58	1.19	0.83	0.47	90
PVP 70 M	6	6.6	22.22	15.87	10.58	5.29	3.77	3.02	2.27	1.58	0.90	90
PVP 100 M	6	9.8	30.00	21.42	14.28	7.14	5.10	4.08	3.06	2.14	1.22	90
PVP 140 M	6	13.0	42.22	30.15	20.10	10.05	7.18	5.74	4.31	3.02	1.72	90
PVP 170 M	6	16.3	50.55	36.10	24.07	12.03	8.59	6.87	5.17	3.61	2.06	90
PVP 200 M	6	19.4	55.55	39.67	26.45	13.22	9.44	7.55	5.68	3.97	2.27	90
PVP 250 M	6	24.0	77.77	55.55	37.03	18.51	13.22	10.58	7.95	5.56	3.17	90
PVP 300 M	6	29.0	88.88	63.48	42.32	21.16	15.11	12.09	9.09	6.35	3.63	90
PVP 25 MDX	6	3.2	11.94	8.53	5.68	2.84	2.03	1.62	1.22	0.85	0.48	90
PVP 35 MDX	6	4.8	15.83	11.30	7.53	3.76	2.69	2.15	1.61	1.13	0.64	90
PVP 50 MDX	6	6.5	18.88	13.48	8.99	4.49	3.21	2.56	1.93	1.35	0.77	90
PVP 60 MDX	6	8.2	25.55	18.25	12.16	6.08	4.34	3.47	2.61	1.82	1.04	90
PVP 75 MDX	6	9.8	28.61	20.43	13.62	6.81	4.86	3.89	2.92	2.04	1.16	90
PVP 150 MD	6	16.0	55.55	39.68	26.45	13.22	9.44	7.55	5.68	3.97	2.27	90
PVP 300 MD	6	32.0	111.11	79.36	52.91	26.45	18.89	15.11	11.36	7.94	4.54	90
PVP 450 MD	6	47.8	161.11	115.07	76.71	38.35	27.39	21.91	16.48	11.52	6.58	90
PVP 600 MD	6	63.2	208.33	148.80	99.20	49.60	35.43	28.34	21.31	14.90	8.51	90

TABLE REGARDING VACUUM GENERATOR EVACUATION TIME, AT DIFFERENT VACUUM LEVELS

Art. Generator	Supply press. bar (g)	Max. vacuum level -KPa	Evacuation time (ms/l= s/m³) at different vacuum levels (-KPa) 10	20	30	40	50	60	70	80	85	90
15 01 10	6	82	139	278	472	727	1171	1628	2720	4928	--	
15 02 10	6	82	139	278	472	727	1171	1628	2720	4928	--	
15 03 10	6	85	77	154	261	403	649	902	1506	2730	3876	
15 04 10	6	85	77	154	261	403	649	902	1506	2730	3876	
PVP 1	5	85	393	786	1336	2057	3312	4605	7690	13935	19787	
PVP 2	6	85	128	257	438	675	1087	1511	2523	4572	6492	
PVP 2 M	6	85	128	257	438	675	1087	1511	2523	4572	6492	
PVP 3	6	85	104	207	353	544	875	1217	2033	3684	5232	
PVP 7 X	6	85	43	86	147	226	365	507	847	1536	2181	
PVP 7 SX	6	85	43	86	147	226	365	507	847	1536	2181	
GV 1	5	85	394	788	1339	2063	3322	4617	7711	13973	19841	
GV 2	5	85	394	788	1339	2063	3322	4617	7711	13973	19841	
GV 3	5	85	394	788	1339	2063	3322	4617	7711	13973	19841	
M 3 - M 3 SSX	5	85	106	244	491	969	1642	2398	4004	7128	10122	
M 7 - M 7 SSX	5	85	61	142	285	563	954	1394	2328	4144	5885	
M 10 - M 10 SSX	5	85	40	93	188	371	629	918	1534	2731	3878	
M 14 - M 14 SSX	5	85	30	69	140	276	469	685	1144	2036	2892	
M 18 - M 18 SSX	5	85	21	48	98	193	327	478	799	1423	2020	
MVG 3	5	85	119	274	552	1088	1845	2694	4499	8009	11373	
MVG 7	5	85	58	133	268	529	897	1310	2188	3895	5531	
MVG 10	5	85	41	95	192	379	642	938	1567	2790	3962	
MVG 14	5	85	31	71	144	284	482	704	1175	2092	2971	
GVMM 3	5	85	128	294	592	1167	1978	2889	4824	8588	12195	
GVMM 7	5	85	59	137	275	543	921	1344	2245	3997	5676	
GVMM 10	5	85	42	97	195	384	651	951	1589	2828	4016	
GVMM 14	5	85	31	72	146	288	489	714	1193	2124	3016	
MI 3	5	85	128	294	592	1167	1978	2889	4824	8588	12195	
MI 7	5	85	59	137	275	543	921	1344	2245	3997	5676	
MI 10	5	85	42	97	195	384	651	951	1589	2828	4016	
MI 14	5	85	31	72	146	288	489	714	1193	2124	3016	
AVG 18	6	85	22	44	75	115	185	258	430	798	1107	
AVG 25	6	85	15	30	52	80	128	178	297	538	764	
PVP 12 MX	6	90	15.4	38.7	85.1	204.4	365.9	559.8	929.4	1607.8	--	5916
PVP 25 MX	6	90	10.4	26.0	57.3	137.7	246.5	377.1	626.0	1083.1	--	3986
PVP 40 M	6	90	7.7	19.2	42.3	101.6	182.0	278.4	462.3	799.8	--	2943
PVP 70 M	6	90	4.0	10.1	22.2	53.3	95.5	146.1	242.6	419.7	--	1544
PVP 100 M	6	90	3.0	7.4	16.4	39.5	70.7	108.2	179.6	310.8	--	1144
PVP 140 M	6	90	2.1	5.3	11.7	28.0	50.2	76.9	127.6	220.8	--	812
PVP 170 M	6	90	1.7	4.4	9.7	23.4	42.0	64.2	106.6	184.5	--	678
PVP 200 M	6	90	1.6	4.0	8.9	21.3	38.2	58.4	97.0	167.8	--	618
PVP 250 M	6	90	1.1	2.9	6.4	15.2	27.3	41.8	69.3	119.9	--	442
PVP 300 M	6	90	1.0	2.5	5.5	13.3	23.8	36.5	60.6	104.9	--	386
PVP 25 MDX	6	90	7.5	18.8	41.3	99.3	177.7	271.9	451.4	781.0	--	2874
PVP 35 MDX	6	90	5.6	14.1	31.2	74.9	134.0	205.1	340.5	589.1	--	2168
PVP 50 MDX	6	90	4.7	11.9	26.2	62.8	112.4	172.0	285.5	494.0	--	1818
PVP 60 MDX	6	90	3.5	8.8	19.3	46.4	83.0	127.0	211.0	365.0	--	1343
PVP 75 MDX	6	90	3.1	7.8	17.2	41.4	74.2	113.5	188.4	326.0	--	1200
PVP 150 MD	6	90	1.6	4.0	8.9	21.3	38.2	58.4	97.0	167.8	--	618
PVP 300 MD	6	90	0.8	2.0	4.4	10.6	19.1	29.2	48.5	83.9	--	309
PVP 450 MD	6	90	0.5	1.4	3.0	7.4	13.2	20.1	33.5	57.9	--	213
PVP 600 MD	6	90	0.4	1.0	2.4	5.7	10.2	15.6	25.9	44.8	--	16

MINIMUM PIPE INTERNAL DIAMETER RECOMMENDED FOR THE GENERATORS

Choosing the right fittings and pipe sections is essential for the correct operation of the vacuum plant. To obtain the highest performance by the vacuum generators, please see the temperature below and keep to the data shown in it.

Vacuum generator Art.	Compressed air Pipe internal Ø mm	Vacuum Pipe internal Ø mm	Exhaust Pipe internal Ø mm
15 01 10	2	6	8
15 02 10	2	6	8
15 03 10	2	8	10
15 04 10	2	8	10
PVP 1	2	4	=
PVP 2	2	6	8
PVP 2 M	2	6	8
PVP 3	2	6	8
PVP 7 X	4	10	=
PVP 7 SX	4	10	=
GV 1	2	4	6
GV 2	2	4	6
GV 3	2	4	6
M 3 - M 3 SSX	2	6	=
M 7 - M 7 SSX	2	8	=
M 10 - M 10 SSX	4	10	=
M 14 - M 14 SSX	4	12	=
M 18 - M 18 SSX	4	15	=
MVG 3	2	6	=
MVG 7	2	8	=
MVG 10	4	10	=
MVG 14	4	12	=
GVMM 3	2	6	=
GVMM 7	2	8	=
GVMM 10	4	10	=
GVMM 14	4	12	=
MI 3	2	6	=
MI 7	2	8	=
MI 10	4	10	=
MI 14	4	12	=
AVG 18	8	15	=
AVG 25	9	15	=
PVP 12 MX	4	12	14
PVP 25 MX	4	15	6 x 4 pipes
PVP 40 M **PA 40 - PS 40**	6	27	=
PVP 70 M **PA 70 - PS 70**	8	27	=
PVP 100 M **PA 100 - PS 100**	9	27	=
PVP 140 M **PA 140 - PS 140**	9	35	=
PVP 170 M **PA 170 - PS 170**	12	35	=
PVP 200 M **PA 200 - PS 200**	12	40	=
PVP 250 M **PA 250 - PS 250**	12	40	=
PVP 300 M **PA 300 - PS 300**	12	50	=
PVP 25 MDX	6	27	=
PVP 35 MDX	6	27	=
PVP 50 MDX	6	27	=
PVP 60 MDX	8	27	=
PVP 75 MDX	8	27	=
PVP 150 MD	12	35	=
PVP 300 MD	12	40	=
PVP 450 MD	16	50	=
PVP 600 MD	18	60	=

Note: Data valid for pipes max. 2 m long.