TABLE REGARDING VACUUM GENERATOR EVACUATION TIME, AT DIFFERENT LEVELS OF VACUUMS

Generator Item	Supp. press.	Air consumption	Evacuation rates (ms/l= s/m³) at different levels of vacuums (-KPa) at optimal supply pressure									Max vacuum
	bar	Nl/s	10	20	30	40	50	60	70	80	85	-KPa
15 01 10	6	0.9	139	278	472	727	1171	1628	2720	4928	- - -	85
15 01 10 LP	4	1.2	130	260	510	740	1070	1510	2430	4400	8740	85
15 01 15 LP	4	2.2	70	160	260	410	620	910	1500	2620	4490	85
15 02 10	6	0.9	139	278	472	727	1171	1628	2720	4928	- - -	85
15 02 10 LP	4	1.2	130	260	510	740	1070	1510	2430	4400	8740	85
15 02 15 LP	4	2.2	70	160	260	410	620	910	1500	2620	4490	85
15 03 10	6	1.6	77	154	261	403	649	902	1506	2730	3876	85
15 04 10	6	1.6	77	154	261	403	649	902	1506	2730	3876	85
15 05 08 SX	3.5	4.3	35	75	120	190	290	490	920	1530	2730	90
15 05 10 SX	3.5	5.5	25	54	90	140	220	320	570	980	2012	90
15 06 08 SX	3.5	4.3	35	75	120	190	290	490	920	1530	2730	90
15 06 10 SX	3.5	5.5	25	54	90	140	220	320	570	980	2012	90
15 07 10 SX	3.5	8.5	18	37	62	92	140	210	410	770	1220	90
VG 03	6	0.9	139	278	472	727	1171	1628	2720	4928	- - -	85
VG 03 LP	4	1.2	130	260	510	740	1070	1510	2430	4400	8740	85
VG 05 LP	4	2.2	70	160	260	410	620	910	1500	2620	4490	85
FVG 3	4	1.2	130	260	510	740	1070	1510	2430	4400	8740	85
FVG 5	4	2.2	70	160	260	410	620	910	1500	2620	4490	85
FVG 8	3.5	4.3	35	75	120	190	290	490	920	1530	2730	90
FVG 12	3.5	5.5	25	54	90	140	220	320	570	980	2012	90
90	5	0.45	394	788	1339	2063	3322	4617	7711	13973	19841	85
GV 2	5	0.45	394	788	1339	2063	3322	4617	7711	13973	19841	85
GV 3	5	0.45	394	788	1339	2063	3322	4617	7711	13973	19841	85
PVP 05	6	0.5	786	1572	2678	4126	6644	9210	15420	27870	- - -	82
PVP 1	5	0.45	393	786	1336	2057	3312	4605	7690	13935	19787	85
PVP 2	6	0.9	128	257	438	675	1087	1511	2523	4572	6492	85
PVP 2M	6	0.9	128	257	438	675	1087	1511	2523	4572	6492	85
PVP 2 MM1	6	0.9	128	257	438	675	1087	1511	2523	4572	6492	85
PVP 2 MM2	6	0.9	128	257	438	675	1087	1511	2523	4572	6492	85
PVP 2 MM3	6	0.9	128	257	438	675	1087	1511	2523	4572	6492	85
PVP 3	6	1.3	104	207	353	544	857	1217	2033	3684	5232	85
PVP 7 SX	6	3.2	33	70	115	173	289	492	796	1418	2532	85
PVP 7 SXLP	3	4.5	34	74	121	200	315	487	760	1348	2410	88
PVP 14 SX	6	4.8	23	49	80	120	200	340	550	980	1750	85
PVP 14 SXLP	3	6.9	24	52	85	140	220	340	530	940	1680	88
PVP 18 SX	6	6.4	18	38	62	93	155	264	420	750	1340	85
PVP 18 SXLP	3	8.6	18	39	64	105	165	255	398	706	1260	88
MSVE 3	4	1.2	130	260	510	740	1070	1510	2430	4400	8740	85
MSVE 5	4	2.2	70	160	260	410	620	910	1500	2620	4490	85
MSVE 8	3.5	4.3	35	75	120	190	290	490	920	1530	2730	90
MSVE 12	3.5	5.5	27	57	100	150	230	350	740	1200	2150	90
MSVE 20	4	8.0	18	37	62	92	140	210	410	770	1220	90
AVG 18	6	6.4	22	44	75	115	185	258	430	798	1107	85
AVG 25	6	9.6	15	30	52	80	128	178	297	538	764	85
M 3	5	0.8	106	244	491	969	1642	2398	4004	7128	10122	85
M 7	5	1.4	61	142	285	563	954	1394	2328	4144	5885	85
M 10	5	1.9	40	93	188	371	629	918	1534	2731	3878	85
M 14	5	2.5	30	69	140	276	469	685	1144	2036	2892	85
M 18	5	3.6	21	48	98	193	327	478	799	1423	2020	85
M 3 SSX	5	0.8	106	244	491	969	1642	2398	4004	7128	10122	85
M 7 SSX	5	1.4	61	142	285	563	954	1394	2328	4144	5885	85
M 10 SSX	5	1.9	40	93	188	371	629	918	1534	2731	3878	85
M 14 SSX	5	2.5	30	69	140	276	469	685	1144	2036	2892	85

To calculate the emptying time of a volume **V**, use the following formula: $t_1 = t \times V$

t_1 = time to be calculated (ms)
t = time indicated in the table (ms) in the desired degree of vacuum column (-KPa)
V = Volume to be emptied (L)

TABLE REGARDING VACUUM GENERATOR EVACUATION TIME, AT DIFFERENT LEVELS OF VACUUMS

Generator Item	Supp. press.	Air consumption	Evacuation rates (ms/l= s/m³) at different levels of vacuums (-KPa) at optimal supply pressure									Max vacuum
	bar	Nl/s	10	20	30	40	50	60	70	80	85	-KPa
M 18 SSX	5	3.6	21	48	98	193	327	478	799	1423	2020	85
MVG 3	5	0.8	119	274	552	1088	1845	2694	4499	8009	11373	85
MVG 7	5	1.3	58	133	268	529	897	1310	2188	3895	5531	85
MVG 10	5	1.7	41	95	192	379	642	938	1567	2790	3962	85
MVG 14	5	2.1	31	71	144	284	482	704	1175	2092	2971	85
GVMM 3	5	0.8	128	294	592	1167	1978	2889	4824	8588	12195	85
GVMM 7	5	1.3	59	137	275	543	921	1344	2245	3997	5676	85
GVMM 10	5	1.7	42	97	195	384	651	951	1589	2828	4016	85
GVMM 14	5	2.1	31	72	146	288	489	714	1193	2124	3016	85
MI 3	5	0.8	128	294	592	1167	1978	2889	4824	8588	12195	85
MI 7	5	1.3	59	137	275	543	921	1344	2245	3997	5676	85
MI 10	5	1.7	42	97	195	384	651	951	1589	2828	4016	85
MI 14	5	2.1	31	72	146	288	489	714	1193	2124	3016	85
PVP 12 MX	6	1.5	15	38	85	204	365	559	929	1607	5916	90
PVP 12 MXLP	3	2.3	22	56	120	240	410	650	975	1950	7160	86
PVP 25 MX	6	3.0	10	26	57	137	246	377	626	1083	3986	90
PVP 25 MXLP	3	4.5	16	41	83	165	290	460	690	1380	5070	86
PVP 40 M	6	3.2	7	19	42	101	182	278	462	799	2943	90
PVP 40 MLP	3	4.4	12	28	58	116	158	250	382	764	2820	88
PVP 70 M	6	6.6	4	10	22	53	95	146	242	419	1544	90
PVP 70 MLP	3	8.9	9	21	44	88	120	190	290	580	2150	88
PVP 100 M	6	9.8	3	7	16	39	70	108	179	310	1144	90
PVP 100 MLP	3	13.3	7	16	34	68	93	147	224	448	1650	88
PVP 140 M	6	13.0	2.1	5.3	11.7	28.0	50.2	76.9	127	220	812	90
PVP 140 MLP	3	17.8	3.6	8.4	17.7	35.4	48.3	76.5	116	233	860	88
PVP 170 M	6	16.3	1.7	4.4	9.7	23.4	42.0	64.2	106	184	678	90
PVP 170 MLP	3	22.2	3.0	7.1	14.9	29.9	40.6	64.2	98.0	196	720	88
PVP 200 M	6	19.4	1.6	4.0	8.9	21.3	38.2	58.4	97.0	167	618	90
PVP 200 MLP	3	26.6	2.8	6.5	13.6	27.3	37.2	58.8	89.7	180	665	88
PVP 250 M	6	24.0	1.1	2.9	6.4	15.2	27.3	41.8	69.3	119	442	90
PVP 250 MLP	3	33.6	2.0	4.6	9.6	19.3	26.3	41.5	63.5	127	468	88
PVP 300 M	6	29.0	1.0	2.5	5.5	13.3	23.8	36.5	60.6	104	386	90
PVP 300 MLP	3	39.3	1.7	3.9	8.2	16.4	22.3	35.3	54.0	108	398	88
PVP 25 MDX	6	3.2	7.5	18.8	41.3	99.3	177	271	451	781	2874	90
PVP 25 MDXLP	3	4.4	13.0	33.3	67.2	134	238	376	564	1128	4151	88
PVP 35 MDX	6	4.8	6.5	14.1	31.2	74.9	134	205	340	589	2618	90
PVP 35 MDXLP	3	6.5	9.8	25.2	50.9	101	180	284	427	854	3145	88
PVP 50 MDX	6	6.5	4.7	11.9	26.2	62.8	112	172	285	494	1818	90
PVP 50 MDXLP	3	8.6	7.9	20.3	41.0	82.0	145	229	344	688	2534	88
PVP 60 MDX	6	8.2	3.5	8.8	19.3	46.4	83.0	127	211	365	1343	90
PVP 60 MDXLP	3	11.0	6.6	16.8	34.0	68.0	120	190	285	570	2098	88
PVP 75 MDX	6	9.8	3.1	7.8	17.2	41.4	74.2	113	188	326	1200	90
PVP 75 MDXLP	3	13.2	5.7	14.5	29.2	58.4	103	163	245	490	1805	88
PVP 150 MD	6	16.0	1.6	4.0	8.9	21.3	38.2	58.4	97.0	167	618	90
PVP 150 MDLP	3	22.6	2.9	7.5	15.0	30.1	53.3	84.2	126	252	930	88
PVP 300 MD	6	32.0	0.8	2.0	4.4	10.6	19.1	29.2	48.5	83.9	386	90
PVP 300 MDLP	3	45.5	2.0	5.2	10.5	21.0	37.2	58.7	88.0	176	650	88
PVP 450 MD	6	47.8	0.5	1.4	3.0	7.4	13.2	20.1	33.5	57.9	213	90
PVP 450 MDLP	3	65.8	1.2	3.0	6.2	12.4	22.0	34.7	52.0	104	383	88
PVP 600 MD	6	63.2	0.4	1.0	2.4	5.7	10.2	15.6	25.9	44.8	165	90
PVP 600 MDLP	3	87.7	0.8	2.0	4.1	8.2	14.6	23.1	34.7	69.4	256	88
PVP 750 MD	6	80.0	0.3	0.8	1.8	4.3	7.7	11.8	19.5	33.8	125	90
PVP 750 MDLP	3	110.0	0.5	1.3	2.6	5.2	9.2	14.5	21.7	43.4	160	88

To calculate the emptying time of a volume **V**, use the following formula: $t_1 = t \times V$

t_1 = time to be calculated (ms)
t = time indicated in the table (ms) in the desired degree of vacuum column (-KPa)
V = Volume to be emptied (L)