

Mini Vacuum Systems with oil-sealed vane pumps

GVC range

Atlas Copco



Designed for efficiency, Atlas Copco oil-sealed vacuum mini systems offer reliability and outstanding performance in challenging production conditions

Our new tank-mounted central systems with single-stage, oil sealed rotary vanes provide a dependable solution for numerous vacuum demands. They are supplied ready to use with a tank, an electrical cabinet with controller and a filter in front of each pump. The pumps can be isolated for easy servicing and an oil thermal switch, oil level monitor and

overpressure indicator on the filters are supplied as standard. These modular mini systems can be provided with 1 to 3 pumps depending on flow requirements. They remove oil emissions and noise from the production area, ensuring a better environment for operators.

Features and benefits

- Plug and play design
- Significant energy savings through pressure regulation
- Rugged design for high reliability
- Optimal oil retention, low noise and vibration levels
- Easy to service
- User-friendly monitoring with PLC or Elektronikon controller
- Basic and Full Feature versions available

Technical specifications

	GVC basic	GVC full feature
Number of pumps	1-2	2-3
Pump sizes	GVS 25-300A	GVS 60-300A
Vessel	60-1000 L	160-1000 L
Polyester element filter/pump	•	•
Electrical cabinet	•	•
Valve/pump	manual valve	electro-pneumatic valve
Controller	Basic PLC	Elektronikon
Pressure control	•	•
All the pumps start...	Simultaneously	Independently
Equalization running hours		•
Limitations number of start/stop		•

Basic

Model	Vessel l (L)	Number of pumps	Nom. Pumping speed (50Hz)		Ultimate pressure		Installed power (kW)	Length × width × height (mm)	Approx. weight (kg)	Inlet /Outlet connections	Noise level (dB(A))
			m ³ /h	cfm	mbar(a)	torr					
GVC 60 - P1 - 25	60	1	26	15	0.5	0.4	0.9	973 × 656 × 1163	145	G 1" 1/4" / G 3/4"	64
GVC 60 - P1 - 40	60	1	44	26	0.5	0.4	1.1	973 × 656 × 1163	165	G 1" 1/4" / G 1 1/4"	58
GVC 160 - P1 - 60	160	1	59	35	0.5	0.4	1.5	1542 × 766 × 1045	255	G 1" 1/4" / G 1 1/4"	60
GVC 300 - P1 - 60	300	1	59	35	0.5	0.4	1.5	1819 × 826 × 1155	340	G 2" / G 1 1/4"	60
GVC 160 - P1 - 100	160	1	97.5	57	0.5	0.4	2.2	1542 × 766 × 1050	295	G 1" 1/4" / G 1 1/4"	61
GVC 300 - P1 - 100	300	1	97.5	57	0.5	0.4	2.2	1819 × 826 × 1160	335	G 2" / G 1 1/4"	61
GVC 500 - P1 - 100	500	1	97.5	57	0.5	0.4	2.2	1976 × 927 × 1310	415	G 2" / G 1 1/4"	61
GVC 500 - P1 - 200	500	1	180	106	0.1	0.08	4	1976 × 927 × 1509	460	G 2" / G 2"	69
GVC 1000 - P1 - 200	1000	1	180	106	0.1	0.08	4	2395 × 1136 × 1719	600	G 2" / G 2"	69
GVC 500 - P1 - 300	500	1	280	165	0.1	0.08	5.5	1976 × 927 × 1514	500	G 2" / G 2"	72
GVC 1000 - P1 - 300	1000	1	280	165	0.1	0.08	5.5	2395 × 1136 × 1724	640	G 2" / G 2"	72
GVC 500 - P2 - 100	500	2	195	115	0.5	0.4	4.4	1976 × 940 × 1310	550	G 2" / G 1 1/4"	64
GVC 500 - P2 - 200	500	2	360	212	0.1	0.08	8	1976 × 1107 × 1509	630	G 2" / G 2"	72
GVC 1000 - P2 - 200	1000	2	360	212	0.1	0.08	8	2395 × 1223 × 1719	775	G 2" / G 2"	72
GVC 500 - P2 - 300	500	2	560	330	0.1	0.08	11	1976 × 1107 × 1514	725	G 2" / G 2"	75
GVC 1000 - P2 - 300	1000	2	560	330	0.1	0.08	11	2395 × 1189 × 1724	860	G 2" / G 2"	75

Full feature

Model	Vessel (L)	Number of pumps	Nom. Pumping speed (50Hz)		Ultimate pressure		Installed power (kW)	Length × width × height (mm)	Approx. weight (kg)	Inlet /Outlet connections	Noise level (dB(A))
			m ³ /h	cfm	mbar(a)	torr					
GVC 160 - P2 - 60	160	2	118	69	0.5	0.4	3	1552 × 692 × 1171	293	G 1 1/4" / G 1 1/4"	63
GVC 300 - P2 - 60	300	2	118	69	0.5	0.4	3	1819 × 730 × 1281	343	G 2" / G 1 1/4"	63
GVC 160 - P2 - 100	160	2	195	115	0.5	0.4	4.4	1552 × 790 × 1171	373	G 1 1/4" / G 1 1/4"	64
GVC 300 - P2 - 100	300	2	195	115	0.5	0.4	4.4	1819 × 790 × 1281	424	G 2" / G 1 1/4"	64
GVC 500 - P2 - 100	500	2	195	115	0.5	0.4	4.4	1976 × 847 × 1431	510	G 2" / G 1 1/4"	64
GVC 1000 - P2 - 100	1000	2	195	115	0.5	0.4	4.4	2397 × 1043 × 1641	649	G 2" / G 1 1/4"	64
GVC 500 - P2 - 200	500	2	360	212	0.1	0.08	8	1976 × 1130 × 1476	658	G 2" / G 2"	72
GVC 1000 - P2 - 200	1000	2	360	212	0.1	0.08	8	2397 × 1130 × 1686	801	G 2" / G 2"	72
GVC 500 - P2 - 300	500	2	560	330	0.1	0.08	11	1976 × 1159 × 1480	747	G 2" / G 2"	75
GVC 1000 - P2 - 300	1000	2	560	330	0.1	0.08	11	2397 × 1159 × 1690	890	G 2" / G 2"	75
GVC 500 - P3 - 60	500	3	177	104	0.5	0.4	4.5	1976 × 833 × 1431	488	G 2" / G 1 1/4"	65
GVC 1000 - P3 - 60	1000	3	177	104	0.5	0.4	4.5	2397 × 1043 × 1641	630	G 2" / G 1 1/4"	65
GVC 500 - P3 - 100	500	3	293	172	0.5	0.4	6.6	1976 × 847 × 1431	607	G 2" / G 1 1/4"	66
GVC 1000 - P3 - 100	1000	3	293	172	0.5	0.4	6.6	2397 × 1043 × 1641	751	G 2" / G 1 1/4"	66
GVC 1000 - P3 - 200	1000	3	540	318	0.1	0.08	12	2397 × 1136 × 1786	979	G 2" / G 2"	75
GVC 1000 - P3 - 300	1000	3	840	494	0.1	0.08	16.5	2397 × 1159 × 1690	1111	G 2" / G 2"	77