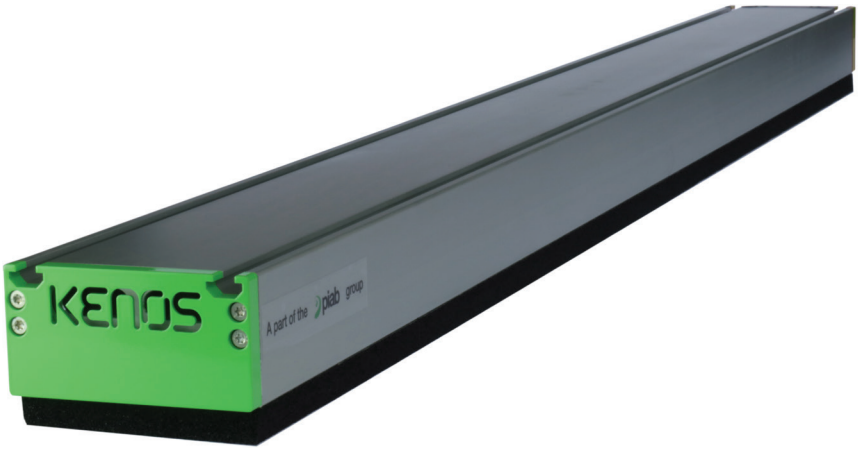
KVG 120 family



KVG series represents a flexible solution for the handling manipulation of several products with different shapes, dimensions and compactness due to the double technology available. Check valves or flow reducers can fullfill the needs of many industrial sector applications. The KVG gripping system can be equipped with integrated vacuum generation or suitable for separated vacuum generation(Pump or Side channel blower). The integrated vacuum generator is a modular multi-stage COAX® ejector of easy maintenance. The multi-stage COAX® ejector used offers the possibility to be simply increased even after the installation if necessary. The mat of the KVG gripping system is made of a technical foam (FDA mat approved available), with different pitch holes and thickness or pads.

LIFTING FORCES

Theoretic gripping force on rigid and stable surface with completely covered module, without safety factor (N).

Type	Foam step	Force, N, at a vacuum of				
		30%	40%	50%	60%	70%
KVG200	1–2 (fine or medium)	170	226	283	339	396
KVG300	1–2 (fine or medium)	264	352	440	528	615
KVG400	1–2 (fine or medium)	358	477	597	716	835
KVG500	1–2 (fine or medium)	452	603	754	904	1055
KVG600	1–2 (fine or medium)	546	728	911	1093	1275
KVG700	1–2 (fine or medium)	641	854	1068	1281	1495
KVG800	1–2 (fine or medium)	735	980	1225	1470	1714
KVG900	1–2 (fine or medium)	829	1105	1382	1658	1934
KVG1000	1–2 (fine or medium)	923	1231	1539	1846	2154
KVG1100	1–2 (fine or medium)	1017	1356	1696	2035	2374
KVG1200	1–2 (fine or medium)	1112	1482	1853	2223	2594
KVG1300	1–2 (fine or medium)	1206	1608	2010	2412	2813
KVG1400	1–2 (fine or medium)	1300	1733	2167	2600	3033
KVG1600	1–2 (fine or medium)	1488	1984	2481	2977	3473
KVG1800	1–2 (fine or medium)	1677	2236	2795	3354	3912

Type	Foam step	Force, N, at a vacuum of				
		30%	40%	50%	60%	70%
KVG2000	1–2 (fine or medium)	1865	2487	3109	3730	4352
KVG200	6 (extra fine)	166	221	276	332	387
KVG300	6 (extra fine)	249	332	414	497	580
KVG400	6 (extra fine)	332	442	553	663	774
KVG500	6 (extra fine)	414	553	691	829	967
KVG600	6 (extra fine)	497	663	829	995	1161
KVG700	6 (extra fine)	580	774	967	1161	1354
KVG800	6 (extra fine)	663	884	1105	1326	1547
KVG900	6 (extra fine)	746	995	1243	1492	1741
KVG1000	6 (extra fine)	829	1105	1382	1658	1934
KVG1100	6 (extra fine)	912	1216	1520	1824	2128
KVG1200	6 (extra fine)	995	1326	1658	1990	2321
KVG1300	6 (extra fine)	1078	1437	1796	2155	2515
KVG1400	6 (extra fine)	1161	1547	1934	2321	2708
KVG1600	6 (extra fine)	1326	1768	2211	2653	3095
KVG1800	6 (extra fine)	1492	1990	2487	2984	3482
KVG2000	6 (extra fine)	1658	2211	2763	3316	3868

Theoretic gripping force on rigid and stable surface with completely covered module, without safety factor (N). Gripping forces at 30%, 40%, 50% and 70% were obtained from theoretical calculations based on the declared values (gripping force at 20%, 60% and 90%), with the exception of values for VL60BX.

Type	Force, N, at a vacuum of					
	20%	30%	40%	50%	60%	70%
KVG200 with B35XP PU60	304	438	560	670	768	859
KVG300 with B35XP PU60	456	657	840	1005	1152	1288
KVG400 with B35XP PU60	608	876	1120	1340	1536	1717
KVG500 with B35XP PU60	760	1095	1400	1675	1920	2147
KVG600 with B35XP PU60	912	1314	1680	2010	2304	2576
KVG700 with B35XP PU60	1064	1533	1960	2345	2688	3006

Type	Force, N, at a vacuum of					
	20%	30%	40%	50%	60%	70%
KVG800 with B35XP PU60	1216	1752	2240	2680	3072	3435
KVG900 with B35XP PU60	1368	1971	2520	3015	3456	3864
KVG1000 with B35XP PU60	1520	2190	2800	3350	3840	4294
KVG1100 with B35XP PU60	1672	2409	3080	3685	4224	4723
KVG1200 with B35XP PU60	1824	2628	3360	4020	4608	5152
KVG1300 with B35XP PU60	1976	2848	3640	4356	4992	5582
KVG1400 with B35XP PU60	2128	3067	3920	4691	5376	6011
KVG1600 with B35XP PU60	2432	3505	4480	5361	6144	6870
KVG1800 with B35XP PU60	2736	3943	5040	6031	6912	7728
KVG2000 with B35XP PU60	3040	4381	5600	6701	7680	8587
KVG200 with B35XP PU30/60	272	384	480	560	624	675
KVG300 with B35XP PU30/60	408	576	720	840	936	1013
KVG400 with B35XP PU30/60	544	768	960	1120	1248	1350
KVG500 with B35XP PU30/60	680	960	1200	1400	1560	1688
KVG600 with B35XP PU30/60	816	1152	1440	1680	1872	2026
KVG700 with B35XP PU30/60	952	1344	1680	1960	2184	2363
KVG800 with B35XP PU30/60	1088	1536	1920	2240	2496	2701
KVG900 with B35XP PU30/60	1224	1728	2160	2520	2808	3038
KVG1000 with B35XP PU30/60	1360	1920	2400	2800	3120	3376
KVG1100 with B35XP PU30/60	1496	2112	2640	3080	3432	3714
KVG1200 with B35XP PU30/60	1632	2304	2880	3360	3744	4051
KVG1300 with B35XP PU30/60	1768	2496	3120	3640	4056	4389
KVG1400 with B35XP PU30/60	1904	2688	3360	3920	4368	4726
KVG1600 with B35XP PU30/60	2176	3072	3840	4480	4992	5402
KVG1800 with B35XP PU30/60	2448	3456	4320	5040	5616	6077
KVG2000 with B35XP PU30/60	2720	3840	4800	5600	6240	6752
KVG200 with BX35P PU60	240	320	373	384	400	420

Type	Force, N, at a vacuum of					
	20%	30%	40%	50%	60%	70%
KVG300 with BX35P PU60	360	480	560	576	600	630
KVG400 with BX35P PU60	480	640	747	768	800	840
KVG500 with BX35P PU60	600	800	934	960	1000	1050
KVG600 with BX35P PU60	720	960	1120	1152	1200	1260
KVG700 with BX35P PU60	840	1121	1307	1344	1400	1470
KVG800 with BX35P PU60	960	1281	1494	1536	1600	1680
KVG900 with BX35P PU60	1080	1441	1680	1728	1800	1890
KVG1000 with BX35P PU60	1200	1601	1867	1920	2000	2100
KVG1100 with BX35P PU60	1320	1761	2054	2112	2200	2310
KVG1200 with BX35P PU60	1440	1921	2241	2304	2400	2520
KVG1300 with BX35P PU60	1560	2081	2427	2496	2600	2730
KVG1400 with BX35P PU60	1680	2241	2614	2688	2800	2940
KVG1600 with BX35P PU60	1920	2561	2988	3072	3200	3360
KVG1800 with BX35P PU60	2160	2881	3361	3456	3600	3780
KVG2000 with BX35P PU60	2400	3202	3734	3840	4000	4200
KVG200 with BX35P PU30/60	192	256	299	304	320	361
KVG300 with BX35P PU30/60	288	384	448	456	480	541
KVG400 with BX35P PU30/60	384	512	597	608	640	722
KVG500 with BX35P PU30/60	480	640	747	760	800	902
KVG600 with BX35P PU30/60	576	768	896	912	960	1083
KVG700 with BX35P PU30/60	672	896	1046	1064	1120	1263
KVG800 with BX35P PU30/60	768	1024	1195	1216	1280	1444
KVG900 with BX35P PU30/60	864	1152	1344	1368	1440	1624
KVG1000 with BX35P PU30/60	960	1280	1494	1520	1600	1805
KVG1100 with BX35P PU30/60	1056	1408	1643	1672	1760	1985
KVG1200 with BX35P PU30/60	1152	1536	1792	1824	1920	2166
KVG1300 with BX35P PU30/60	1248	1664	1942	1976	2080	2346

Type	Force, N, at a vacuum of					
	20%	30%	40%	50%	60%	70%
KVG1400 with BX35P PU30/60	1344	1792	2091	2128	2240	2527
KVG1600 with BX35P PU30/60	1536	2048	2390	2432	2560	2888
KVG1800 with BX35P PU30/60	1728	2304	2688	2736	2880	3249
KVG2000 with BX35P PU30/60	1920	2560	2987	3040	3200	3610
KVG200 with B52XP PU60	340	492	631	758	872	975
KVG300 with B52XP PU60	510	737	946	1136	1308	1463
KVG400 with B52XP PU60	680	983	1261	1515	1744	1951
KVG500 with B52XP PU60	850	1229	1577	1894	2180	2438
KVG600 with B52XP PU60	1020	1475	1892	2273	2616	2926
KVG700 with B52XP PU60	1190	1720	2208	2651	3052	3414
KVG800 with B52XP PU60	1360	1966	2523	3030	3488	3901
KVG900 with B52XP PU60	1530	2212	2838	3409	3924	4389
KVG1000 with B52XP PU60	1700	2458	3154	3788	4360	4877
KVG1100 with B52XP PU60	1870	2703	3469	4166	4796	5364
KVG1200 with B52XP PU60	2040	2949	3784	4545	5232	5852
KVG1300 with B52XP PU60	2210	3195	4100	4924	5668	6340
KVG1400 with B52XP PU60	2380	3441	4415	5303	6104	6828
KVG1600 with B52XP PU60	2720	3932	5046	6060	6976	7803
KVG1800 with B52XP PU60	3060	4424	5676	6818	7848	8778
KVG2000 with B52XP PU60	3400	4915	6307	7575	8720	9754
KVG200 with B52XP PU30/60	288	408	512	600	672	709
KVG300 with B52XP PU30/60	432	612	768	900	1008	1064
KVG400 with B52XP PU30/60	576	816	1024	1200	1344	1419
KVG500 with B52XP PU30/60	720	1020	1280	1500	1680	1773
KVG600 with B52XP PU30/60	864	1224	1536	1800	2016	2128
KVG700 with B52XP PU30/60	1008	1428	1792	2100	2352	2483
KVG800 with B52XP PU30/60	1152	1632	2048	2400	2688	2837
KVG900 with B52XP PU30/60	1296	1836	2304	2700	3024	3192

Type	Force, N, at a vacuum of					
	20%	30%	40%	50%	60%	70%
KVG1000 with B52XP PU30/60	1440	2040	2560	3000	3360	3547
KVG1100 with B52XP PU30/60	1584	2244	2816	3300	3696	3901
KVG1200 with B52XP PU30/60	1728	2448	3072	3600	4032	4256
KVG1300 with B52XP PU30/60	1872	2652	3328	3900	4368	4611
KVG1400 with B52XP PU30/60	2016	2856	3584	4200	4704	4966
KVG1600 with B52XP PU30/60	2304	3264	4096	4800	5376	5675
KVG1800 with B52XP PU30/60	2592	3672	4608	5400	6048	6384
KVG2000 with B52XP PU30/60	2880	4080	5120	6000	6720	7094
KVG200 with BX52P PU60	280	374	437	456	472	524
KVG300 with BX52P PU60	420	561	656	684	708	786
KVG400 with BX52P PU60	560	748	875	912	944	1048
KVG500 with BX52P PU60	700	935	1093	1140	1180	1311
KVG600 with BX52P PU60	840	1122	1312	1368	1416	1573
KVG700 with BX52P PU60	980	1309	1531	1596	1652	1835
KVG800 with BX52P PU60	1120	1496	1749	1824	1888	2097
KVG900 with BX52P PU60	1260	1683	1968	2052	2124	2359
KVG1000 with BX52P PU60	1400	1870	2187	2280	2360	2621
KVG1100 with BX52P PU60	1540	2057	2405	2508	2596	2883
KVG1200 with BX52P PU60	1680	2244	2624	2736	2832	3145
KVG1300 with BX52P PU60	1820	2431	2843	2964	3068	3408
KVG1400 with BX52P PU60	1960	2618	3062	3192	3304	3670
KVG1600 with BX52P PU60	2240	2992	3499	3648	3776	4194
KVG1800 with BX52P PU60	2520	3366	3936	4104	4248	4718
KVG2000 with BX52P PU60	2800	3740	4374	4560	4720	5242
KVG200 with BX52P PU30/60	256	344	405	427	448	495
KVG300 with BX52P PU30/60	384	516	608	640	672	742
KVG400 with BX52P PU30/60	512	688	811	853	896	989
KVG500 with BX52P PU30/60	640	860	1013	1067	1120	1237

Type	Force, N, at a vacuum of					
	20%	30%	40%	50%	60%	70%
KVG600 with BX52P PU30/60	768	1032	1216	1280	1344	1484
KVG700 with BX52P PU30/60	896	1204	1419	1494	1568	1731
KVG800 with BX52P PU30/60	1024	1376	1621	1707	1792	1979
KVG900 with BX52P PU30/60	1152	1548	1824	1920	2016	2226
KVG1000 with BX52P PU30/60	1280	1720	2027	2134	2240	2473
KVG1100 with BX52P PU30/60	1408	1892	2229	2347	2464	2721
KVG1200 with BX52P PU30/60	1536	2064	2432	2560	2688	2968
KVG1300 with BX52P PU30/60	1664	2236	2635	2774	2912	3215
KVG1400 with BX52P PU30/60	1792	2408	2838	2987	3136	3462
KVG1600 with BX52P PU30/60	2048	2752	3243	3414	3584	3957
KVG1800 with BX52P PU30/60	2304	3096	3648	3840	4032	4452
KVG2000 with BX52P PU30/60	2560	3440	4054	4267	4480	4946
KVG200 with VL60BX	–	–	–	240	–	–
KVG300 with VL60BX	–	–	–	360	–	–
KVG400 with VL60BX	–	–	–	480	–	–
KVG500 with VL60BX	–	–	–	600	–	–
KVG600 with VL60BX	–	–	–	720	–	–
KVG700 with VL60BX	–	–	–	840	–	–
KVG800 with VL60BX	–	–	–	960	–	–
KVG900 with VL60BX	–	–	–	1080	–	–
KVG1000 with VL60BX	–	–	–	1200	–	–
KVG1100 with VL60BX	–	–	–	1320	–	–
KVG1200 with VL60BX	–	–	–	1440	–	–
KVG1300 with VL60BX	–	–	–	1560	–	–
KVG1400 with VL60BX	–	–	–	1680	–	–
KVG1600 with VL60BX	–	–	–	1920	–	–
KVG1800 with VL60BX	–	–	–	2160	–	–
KVG2000 with VL60BX	–	–	–	2400	–	–

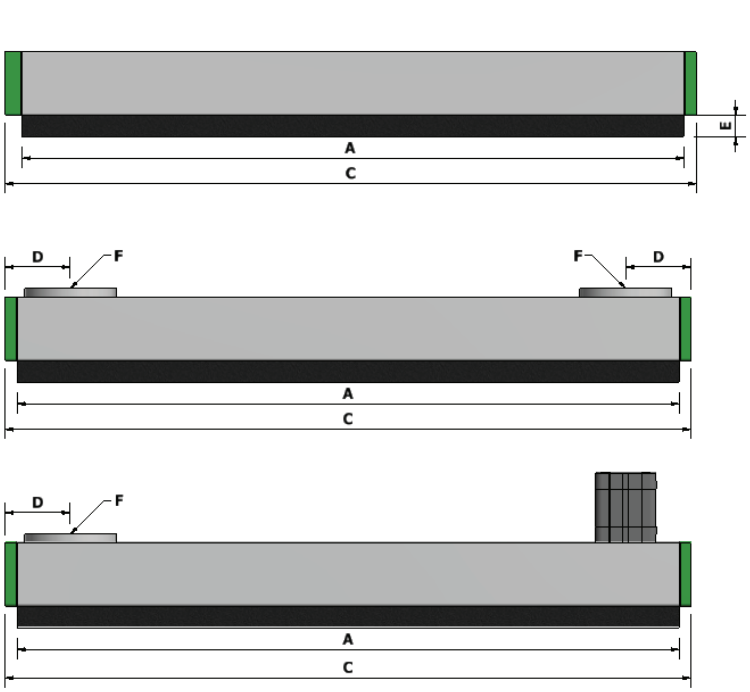
VACUUM FLOW

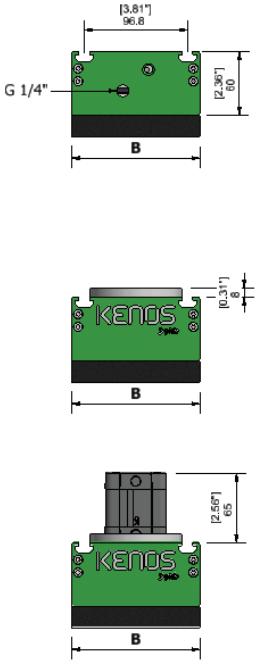
Air consumption/vacuum flow data related to number of COAX® ejectors.

COAX® Cartridge	Feed pressure	Air consumption	Vacuum flow (Nl/s) at different vacuum levels (-kPa)										Max vacuum
	MPa	Nl/s	0	10	20	30	40	50	60	70	80	90	-kPa
MIDI Si32-3 ×1	0.6	1.75	6	3.5	2.6	1.7	0.9	0.6	0.5	0.35	—	—	75
MIDI Si32-3 ×2	0.6	3.5	12	7	5.2	3.4	1.8	1.2	1	0.7	—	—	75
MIDI Si32-3 ×3	0.6	5.25	18	10.5	7.8	5.1	2.7	1.8	1.5	1.1	—	—	75
MIDI Si32-3 ×4	0.6	7	24	14	10.4	6.8	3.6	2.4	2	1.4	—	—	75
MIDI Si32-3 ×6	0.6	10.5	36	21	15.6	10.2	5.4	3.6	3	2.1	—	—	75/52*
MIDI Si32-3 ×8	0.6	14	48	28	20.8	13.6	7.2	4.8	4	2.8	—	—	75/52*

*Without/with 1×flap valve

DIMENSIONS FOR KVG120 WITH FOAM





With internal COAX® ejector

For blower

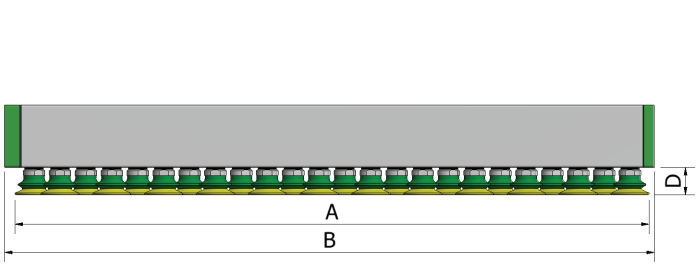
For pump

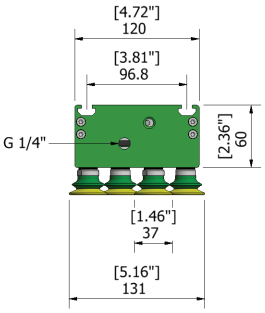
Length (mm)	A (mm)	C* ejector (mm)	C blower (mm)	D (mm)	E (mm)	F	Weight (kg)					
							COAX® ejector CV	COAX® ejector FR	Blower CV	Blower FR	Pump CV	Pump FR
KVG200	220	247	242	61	10/20/30/40	G 1-1/4"	2.6	2.4	2.4	2.1	2.5	2.2
KVG300	320	347	342	61	10/20/30/40	G 1-1/4"	3.6	2.8	3.3	2.5	3.4	2.6
KVG400	420	447	442	61	10/20/30/40	G 1-1/4"	4.5	3.4	4.2	3.1	4.3	3.2
KVG500	520	547	542	61	10/20/30/40	G 1-1/4"	5.3	4.1	5.0	3.8	5.1	3.9
KVG600	620	647	642	61	10/20/30/40	G 1-1/4"	6.2	4.8	5.9	4.5	6.0	4.6
KVG700	720	747	742	91	10/20/30/40	G 2"	7.2	5.5	6.9	5.2	7.0	5.3
KVG800	820	847	842	91	10/20/30/40	G 2"	8.0	6.2	7.7	5.9	7.8	6.0
KVG900	920	947	942	91	10/20/30/40	G 2"	8.9	6.8	8.6	6.5	8.7	6.6
KVG1000	1020	1047	1042	91	10/20/30/40	G 2"	9.8	7.4	9.5	7.1	9.6	7.2
KVG1100	1120	1147	1142	91	10/20/30/40	G 2"	10.7	8.0	10.4	7.7	10.5	7.8
KVG1200	1220	1247	1242	91	10/20/30/40	G 2"	11.6	8.5	11.3	8.2	11.4	8.3
KVG1300	1320	1347	1342	91	10/20/30/40	G 2"	12.4	9.0	12.1	8.6	12.2	8.7
KVG1400	1420	1447	1442	91	10/20/30/40	G 2"	13.2	9.6	12.6	9.0	12.9	9.1
KVG1600	1620	1647	1642	91	10/20/30/40	G 2"	15.0	10.7	14.4	10.1	14.6	10.2
KVG1800	1820	1847	1842	91	10/20/30/40	G 2"	16.8	11.8	16.2	11.2	16.2	11.3
KVG2000	2020	2047	2042	91	10/20/30/40	G 2"	18.6	13.0	18.0	12.4	17.9	12.6

*with double ejector, "C" dimension is 5 mm longer.

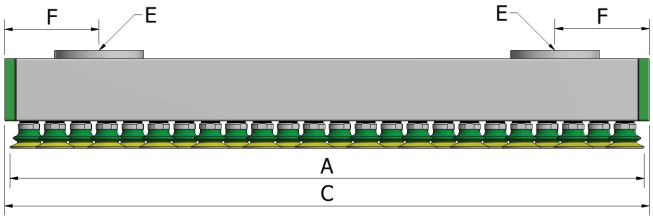
ATTENTION: for type N206, dimensions A and C are 10 mm shorter.

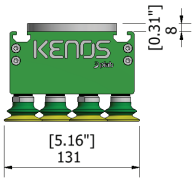
DIMENSIONS FOR KVG120 WITH BX35P & B35XP SUCTION CUPS



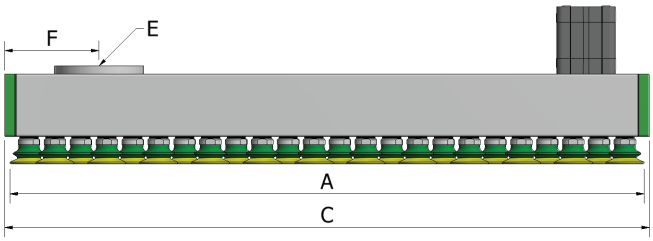


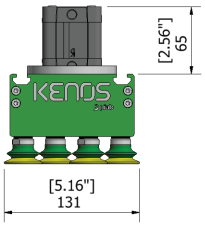
With internal COAX® ejector





For blower



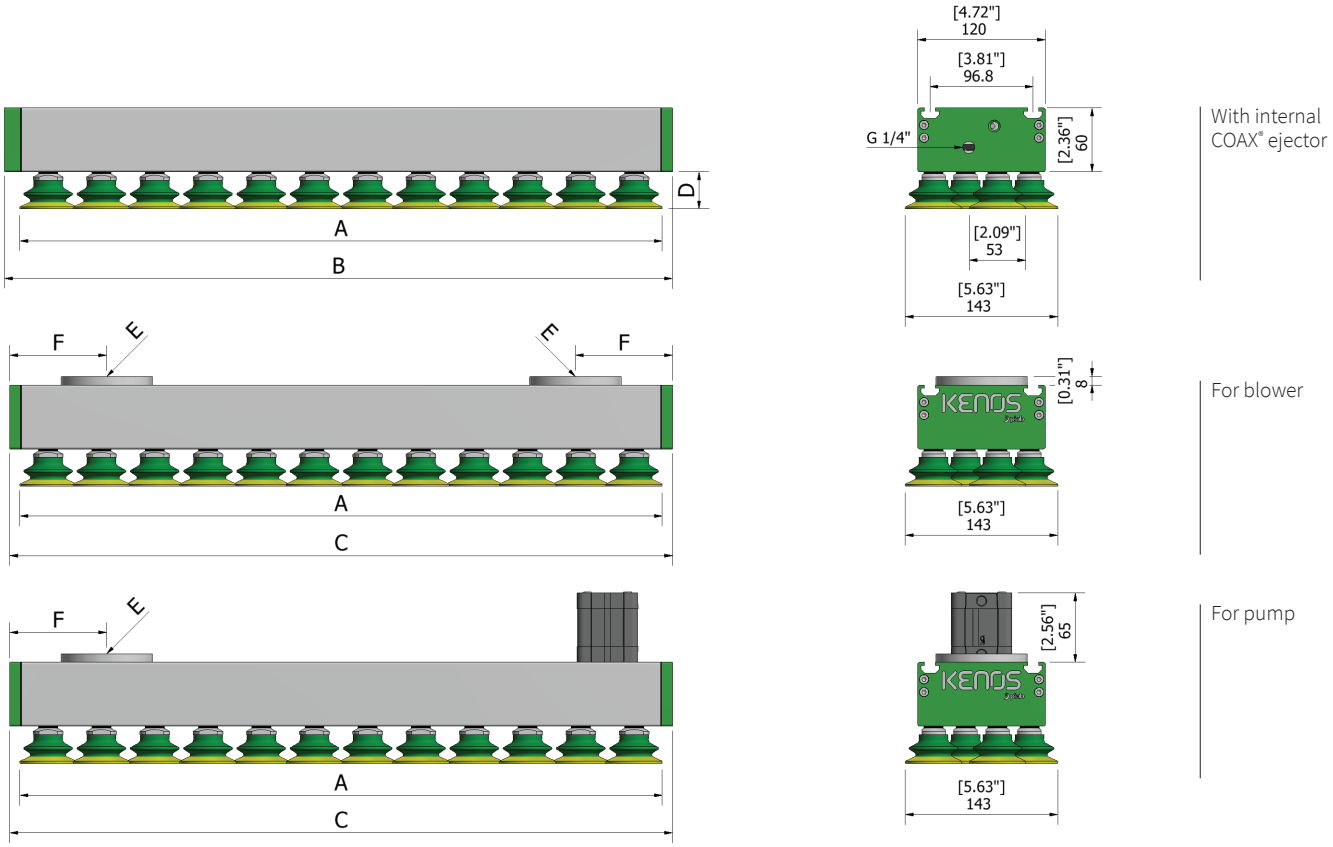


For pump

Length (mm)	A (mm)	B* (mm)	C (mm)	D** (mm)	E (inch)	F	Number of Pads	Weight (kg)		
								COAX® ejector	Blower	Pump
KVG200	212	227	222	26.4	1-1/4"	61	16	2.67	2.46	2.57
KVG300	312	327	322	26.4	1-1/4"	61	24	3.6	3.38	3.5
KVG400	412	427	422	26.4	1-1/4"	61	32	4.56	4.3	4.42
KVG500	512	527	522	26.4	1-1/4"	61	40	5.5	5.23	5.35
KVG600	612	627	622	26.4	1-1/4"	61	48	6.4	6.13	6.29
KVG700	712	727	722	26.4	2"	91	56	7.35	7.08	7.19
KVG800	812	827	822	26.4	2"	91	64	8.81	8.01	8.11
KVG900	912	927	922	26.4	2"	91	72	9.74	8.94	9.03
KVG1000	1012	1027	1022	26.4	2"	91	80	10.67	9.87	9.96
KVG1100	1112	1127	1122	26.4	2"	91	88	11.62	10.81	10.88
KVG1200	1212	1227	1222	26.4	2"	91	96	12.55	11.73	11.81
KVG1300	1312	1327	1322	26.4	2"	91	104	13.48	12.65	12.73
KVG1400	1412	1427	1422	26.4	2"	91	112	14.41	13.58	13.65
KVG1600	1612	1627	1622	26.4	2"	91	128	16.26	15.43	15.51
KVG1800	1812	1827	1822	26.4	2"	91	144	18.11	17.28	17.35
KVG2000	2012	2027	2022	26.4	2"	91	160	19.96	19.13	19.21

*with double ejector, “B” dimension is 5 mm longer. **with BX35P PU30/60 and BX35P PU60 cups, “D” is 34.6 mm.

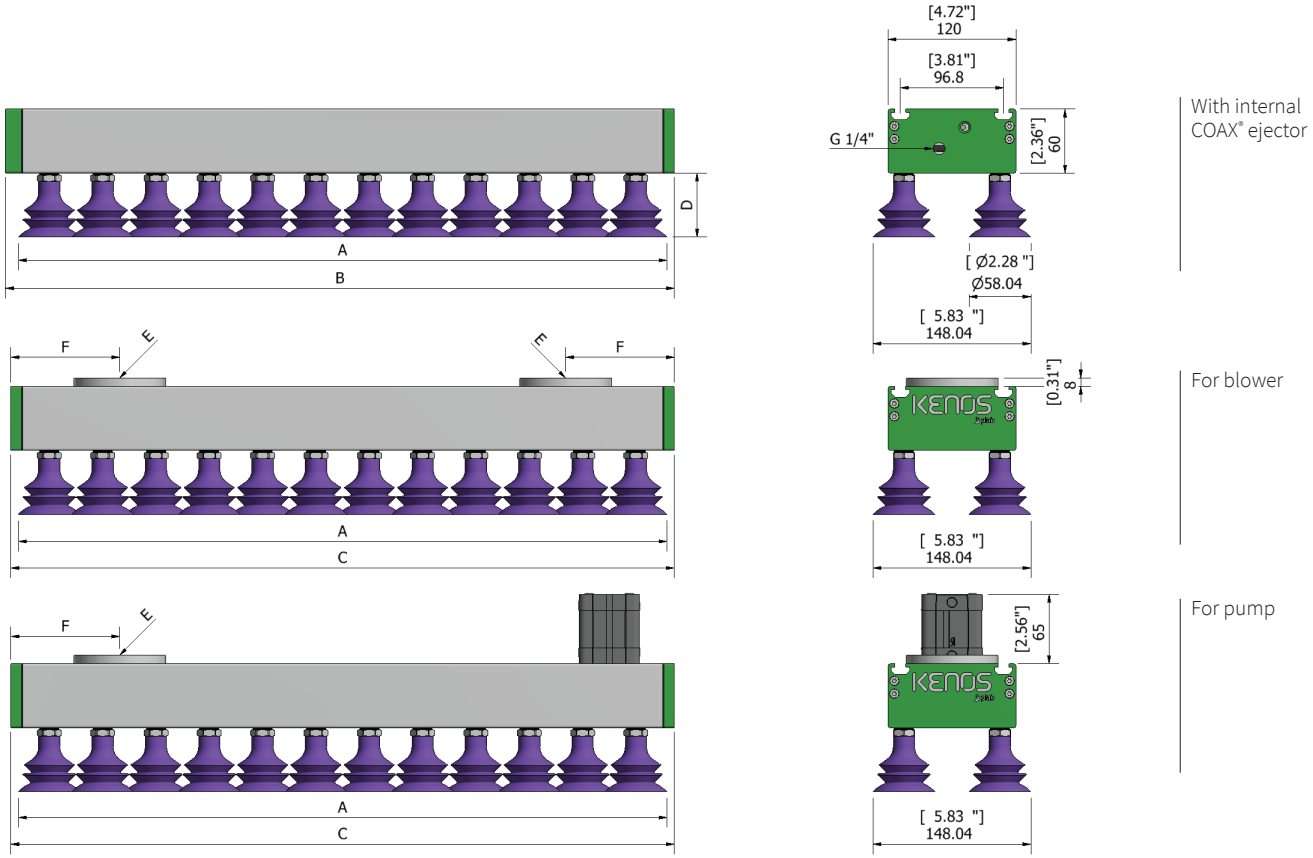
DIMENSIONS FOR KVG120 WITH BX52P & B52XP SUCTION CUPS



Length (mm)	A (mm)	B* (mm)	C (mm)	D** (mm)	E (mm)	F	Number of Pads	Weight (kg)		
								COAX® ejector	Blower	Pump
KVG200	203	227	222	34.8	1-1/4"	61	8	2.71	2.47	2.58
KVG300	303	327	322	34.8	1-1/4"	61	12	3.67	3.41	3.52
KVG400	403	427	422	34.8	1-1/4"	61	16	4.61	4.32	4.45
KVG500	503	527	522	34.8	1-1/4"	61	20	5.57	5.25	5.39
KVG600	603	627	622	34.8	1-1/4"	61	24	6.51	6.18	6.32
KVG700	703	727	722	34.8	2"	91	28	7.45	7.13	7.25
KVG800	803	827	822	34.8	2"	91	32	8.41	8.08	8.19
KVG900	903	927	922	34.8	2"	91	36	9.37	9.04	9.12
KVG1000	1003	1027	1022	34.8	2"	91	40	10.31	9.99	10.06
KVG1100	1103	1127	1122	34.8	2"	91	44	11.25	10.94	10.99
KVG1200	1203	1227	1222	34.8	2"	91	48	12.67	11.91	11.92
KVG1300	1303	1327	1322	34.8	2"	91	52	13.61	12.85	12.86
KVG1400	1403	1427	1422	34.8	2"	91	56	14.55	13.81	13.78
KVG1600	1603	1627	1622	34.8	2"	91	64	16.39	15.66	15.65
KVG1800	1803	1827	1822	34.8	2"	91	72	18.34	17.29	17.52
KVG2000	2003	2027	2022	34.8	2"	91	80	20.22	19.13	19.38

*with double ejector, “B” dimension is 5 mm longer. **with BX35P PU30/60 and BX35P PU60 cups, “D” is 34.6 mm.

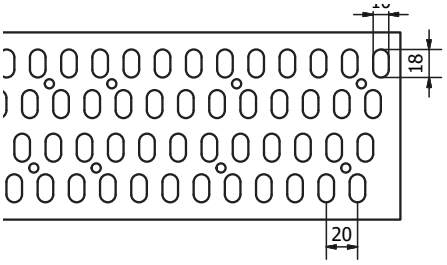
DIMENSIONS FOR KVG120 WITH VL60BX SUCTION CUPS



Length (mm)	A (mm)	B* (mm)	C (mm)	D** (mm)	E (nch)	F	Number of Pads	Weight (kg)		
								COAX® ejector	Blower	Pump
KVG 200	208	227	222	60	1-1/4"	61	4	2,61	2,38	2,48
KVG 300	308	327	322	60	1-1/4"	61	6	3,52	3,26	3,37
KVG 400	408	427	422	60	1-1/4"	61	8	4,41	4,14	4,26
KVG 500	508	527	522	60	1-1/4"	61	10	5,32	5,03	5,14
KVG 600	608	627	622	60	1-1/4"	61	12	6,21	5,92	6,03
KVG 700	708	727	722	60	2"	91	14	7,11	6,81	6,91
KVG 800	808	827	822	60	2"	91	16	8,01	7,67	7,79
KVG 900	908	927	922	60	2"	91	18	8,91	8,55	8,67
KVG 1000	1008	1027	1022	60	2"	91	20	9,81	9,42	9,56
KVG 1100	1108	1127	1122	60	2"	91	22	10,69	10,31	10,44
KVG 1200	1208	1227	1222	60	2"	91	24	11,58	11,17	11,32
KVG 1300	1308	1327	1322	60	2"	91	26	12,47	12,05	12,21
KVG 1400	1408	1427	1422	60	2"	91	28	13,36	12,92	13,09
KVG 1600	1608	1627	1622	60	2"	91	32	15,64	14,67	14,85
KVG 1800	1808	1827	1822	60	2"	91	36	17,42	16,42	16,62
KVG 2000	2008	2027	2022	60	2"	91	40	19,24	18,17	18,38

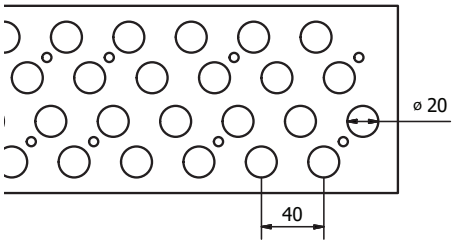
*with double ejector, “B” dimension is 5 mm longer.

KVG 120 FOAM DESCRIPTIONS



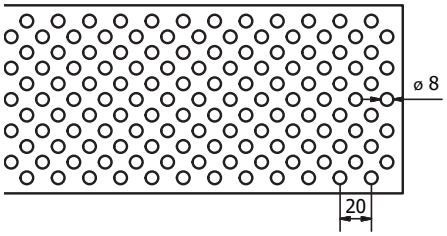
FINE (STEP 1)

Suitable for narrow parts bigger than 35 mm wide like strips of wood, metal, plastic, round shape like tubes especially with a thicker foam.



MEDIUM (STEP 2)

Suitable for general purpose with wide bigger than 60 mm, typical application for panels.



EXTRA FINE (STEP 6)

Suitable for small pieces larger than 25 mm like very narrow strips of wood.

KVG – CUSTOMER CODE

KVG . 600 . 120 . N201 . CVL . S1 . X . X

Code	Model
KVG	KVG

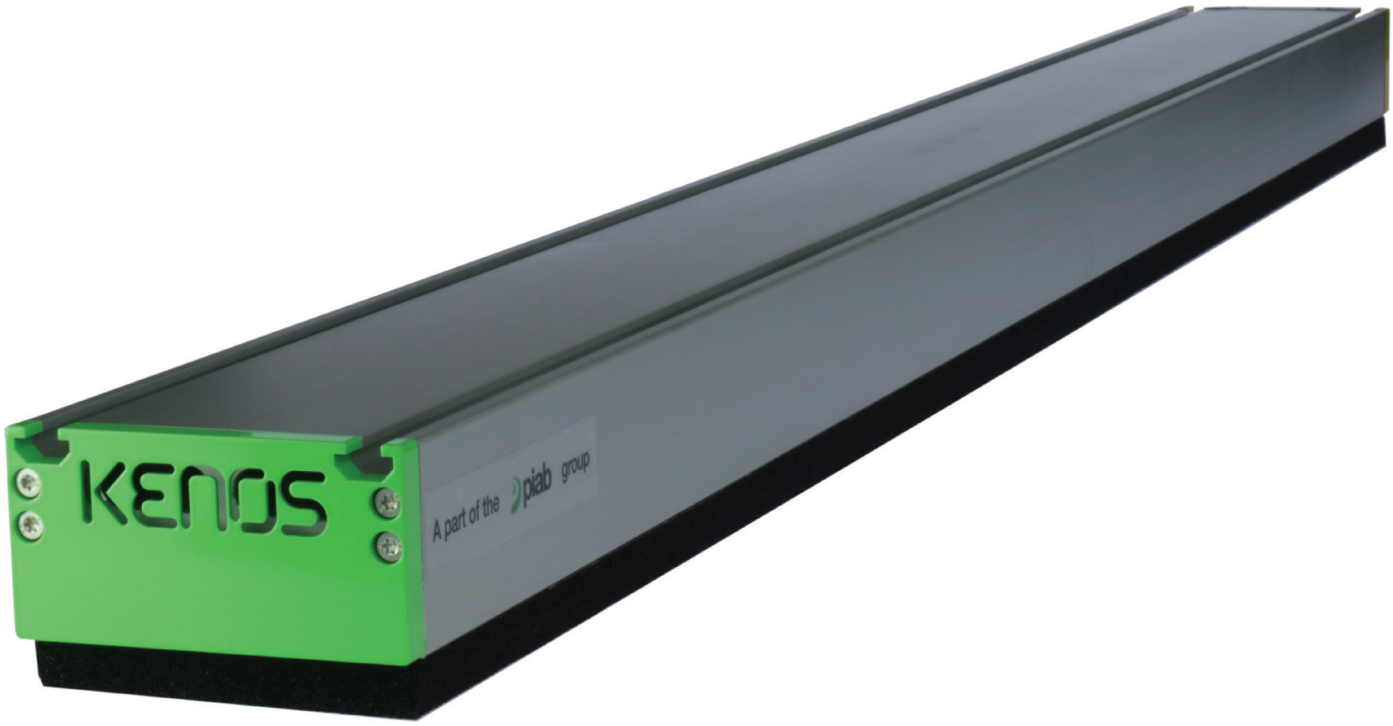
Code	Length
200	200 mm
300	300 mm
400	400 mm
500	500 mm
600	600 mm
700	700 mm
800	800 mm
900	900 mm
1000	1000 mm
1100	1100 mm
1200	1200 mm
1300	1300 mm
1400	1400 mm
1600	1600 mm
1800	1800 mm
2000	2000 mm

Code	Width
120	120 mm

Code	Type
N	Foam
Code	**Thickness**
4	Foam 40 mm
3	Foam 30 mm
2	Foam 20 mm
1	Foam 10 mm
Code	**Filter**
0	Without filter
1	With filter
Code	**Step**
1	Fine step
2	Medium step
6	Extra fine step

Code	Thickness
B35XP	Cups 1,5 bellows BX35P PU30/60
B35XP60	Cups 1,5 bellows BX35P PU60
B52XP	Cups 1,5 bellows BX52P PU 30/60
B52XP60	Cups 1,5 bellows BX52P PU 60
BX35P	Cups 2,5 bellows BX35P PU 30/60
BX35P60	Cups 2,5 bellows BX35P PU 60
BX52P	Cups 2,5 bellows BX52P PU 30/60
BX52P60	Cups 2,5 bellows BX52P PU 60
VL60BX	Cups 2,5 bellows VL60BX

Code	Technology
CVL	Check Valves Low flow
CVM	Check Valves Medium flow
CVH	Check Valves High flow
FR5	Flow Reduction 0,5 mm
FR6	Flow Reduction 0,6 mm
FR8	Flow Reduction 0,8 mm



Code	Vacuum generator
S1	1 cartridge Si32-3
S2	2 cartridge Si32-3
S3	3 cartridge Si32-3
S4	4 cartridge Si32-3
S6	6 cartridge Si32-3
S8	8 cartridge Si32-3
PU	Pump connection (with cylinder)
BL1	Blower connection G1-1/4"
BL2	Blower connection G2"

Code	Control valves
V1	EV vacuum N.C.
V2	EV vacuum N.C. / EV blow-off N.C.
V3	EV vacuum N.O.
V4	EV vacuum N.O. / EV blow-off N.C.
A1	PV vacuum N.C.
A2	PV vacuum N.C. / PV blow-off N.C.
A3	PV vacuum N.O.
A4	PV vacuum N.O. / PV blow-off N.C.
TV	Vertical supply cover
X	Without control

Code	Monitoring
M1	Vacuum and pressure gauge
M2	Digital vacuum switch
M3	Vacuum Gauge
X	Without monitoring