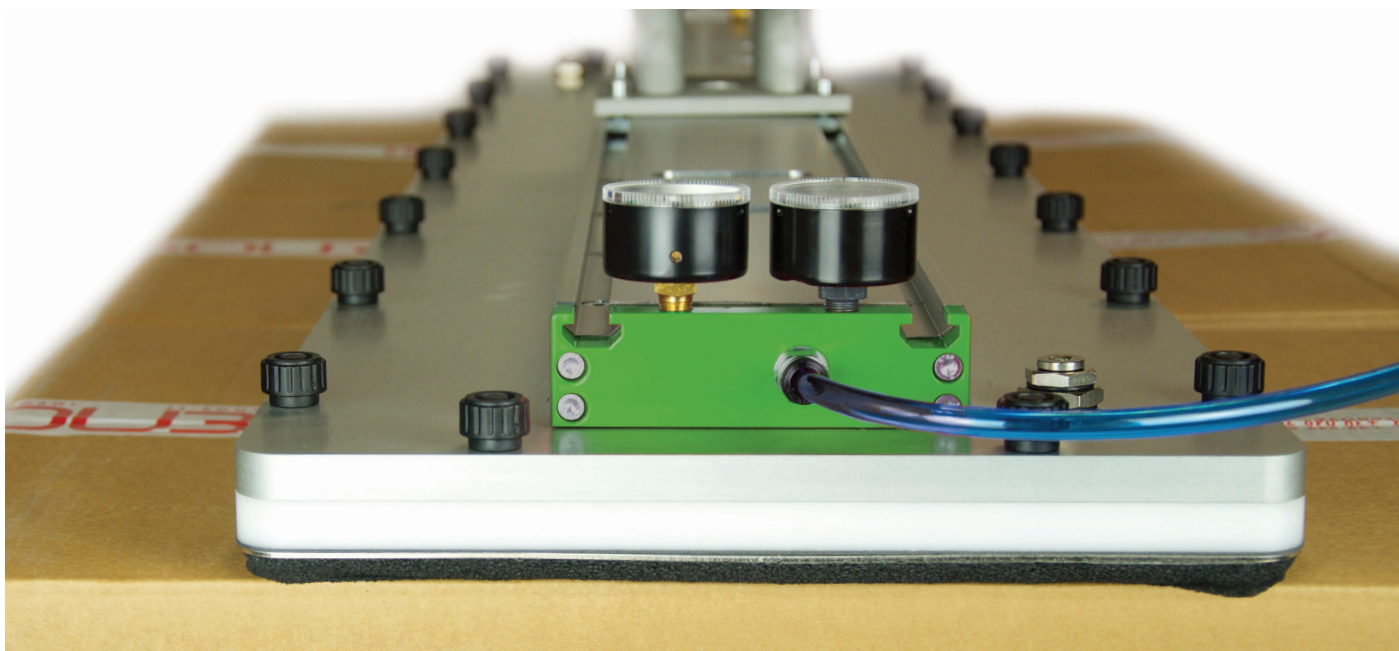


KVGL-S series



KVGL-S product series, Kenos® Vacuum Gripper Layer - Standard, looks at the wide world of packaging, end line automation and other applications. Our adjustable check valve technology and the H40mm technical foam allows for superior gripping on different kind of boxes, wrap around packaging and primary ones. The large availability of standard dimensioning and the modularity, make this series highly effective.

LIFTING FORCES

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

Type		Force, N, at a vacuum of				
		30%	40%	50%	60%	70%
WIDTH 240	KVGL400-240	791	1055	1319	1583	1846
	KVGL600-240	1253	1670	2088	2506	2923
	KVGL800-240	1714	2286	2857	3429	4000
	KVGL1000-240	2110	2813	3517	4020	4924
	KVGL1200-240	2638	3517	4396	5275	6154
WIDTH 300	KVGL400-300	1017	1356	1696	2035	2374
	KVGL600-300	1611	2148	2685	3222	3759
	KVGL800-300	2204	2939	3674	4409	5143
	KVGL1000-300	2713	3617	4522	5426	6330
	KVGL1200-300	3391	4522	5652	6782	7913

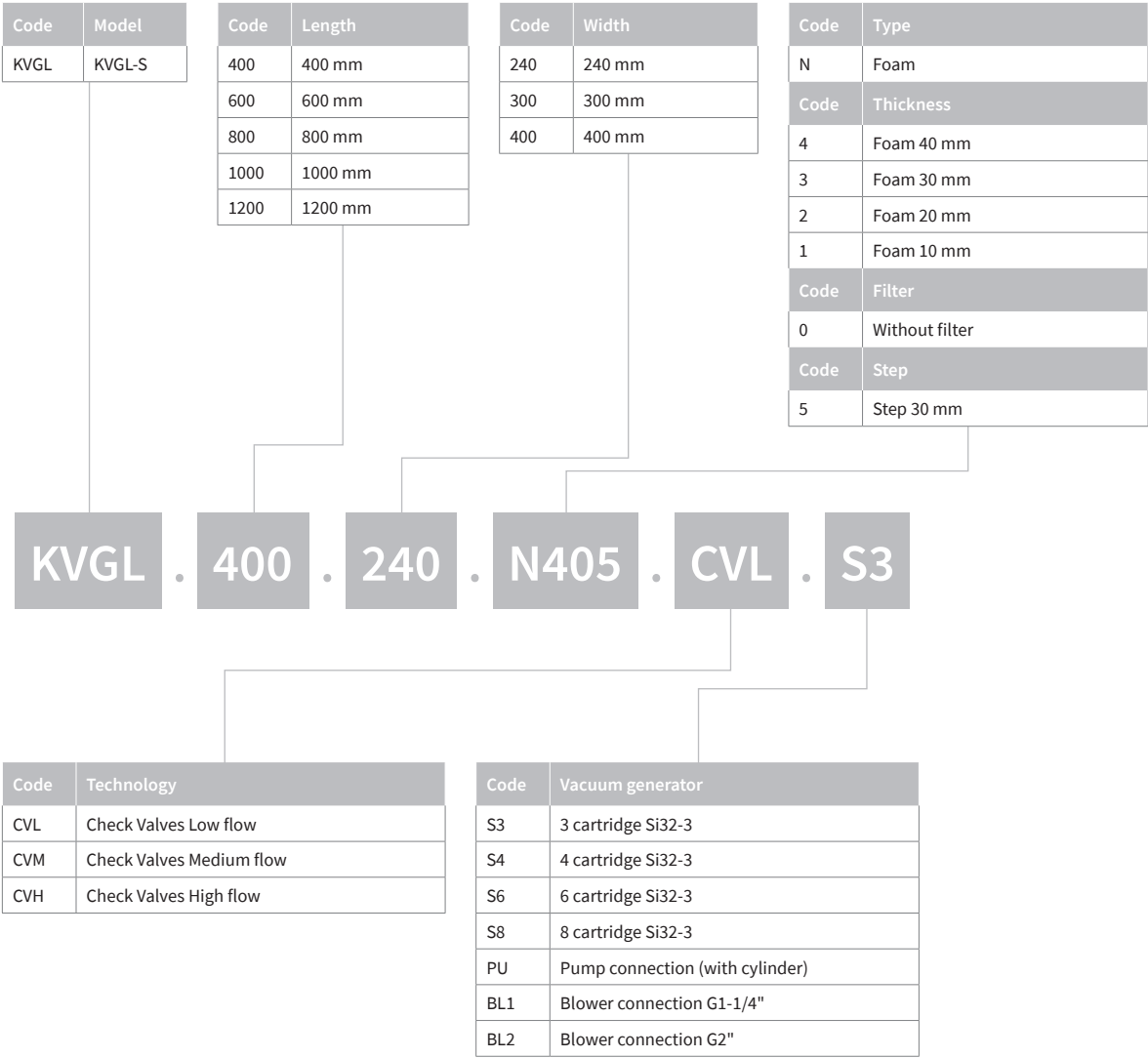
Type		Force, N, at a vacuum of				
		30%	40%	50%	60%	70%
WIDTH 400	KVGL400-400	1356	1809	2261	2713	3165
	KVGL600-400	2148	2864	3580	4296	5011
	KVGL800-400	2939	3919	4898	5878	6858
	KVGL1000-400	3617	4823	6029	7235	8440
	KVGL1200-400	4522	6029	7536	9043	10550

VACUUM FLOW

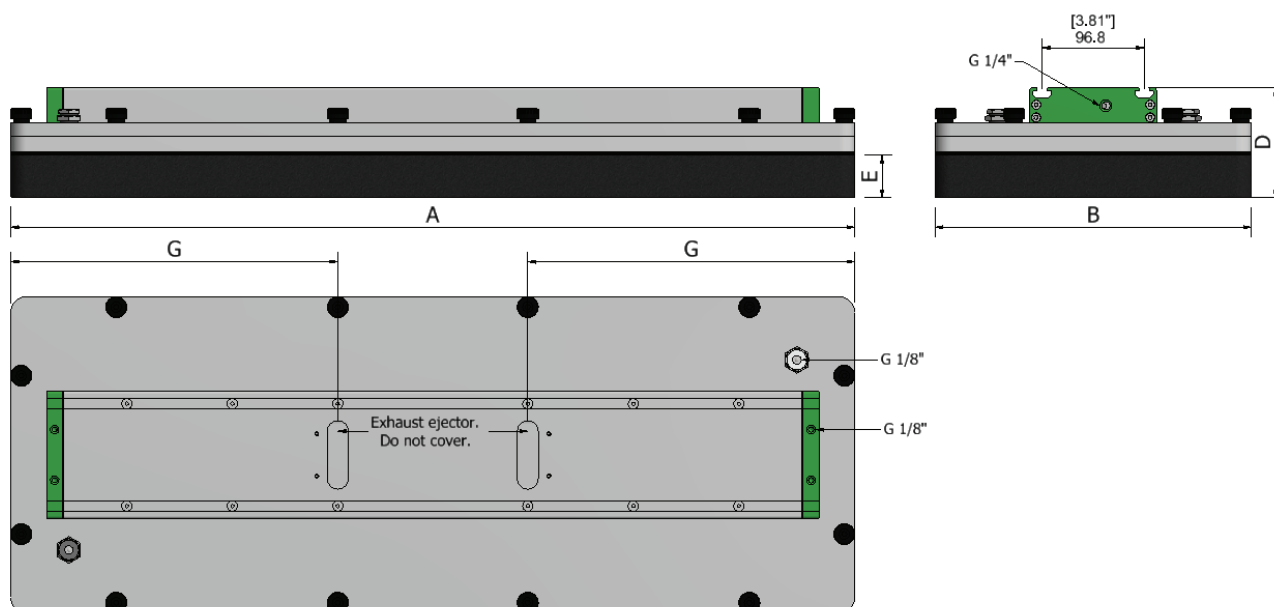
Air consumption/vacuum flow data related to number of COAX® ejectors.

COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)										Max vacuum -kPa
			0	10	20	30	40	50	60	70	80	90	
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
MIDI Si32-3 ×8	0.6	28	96	56	41.6	27.2	14.4	9.6	8	5.6	—	—	75

KVGL-S – CUSTOMER CODE



DIMENSIONS FOR KVGL-S WITH EJECTOR



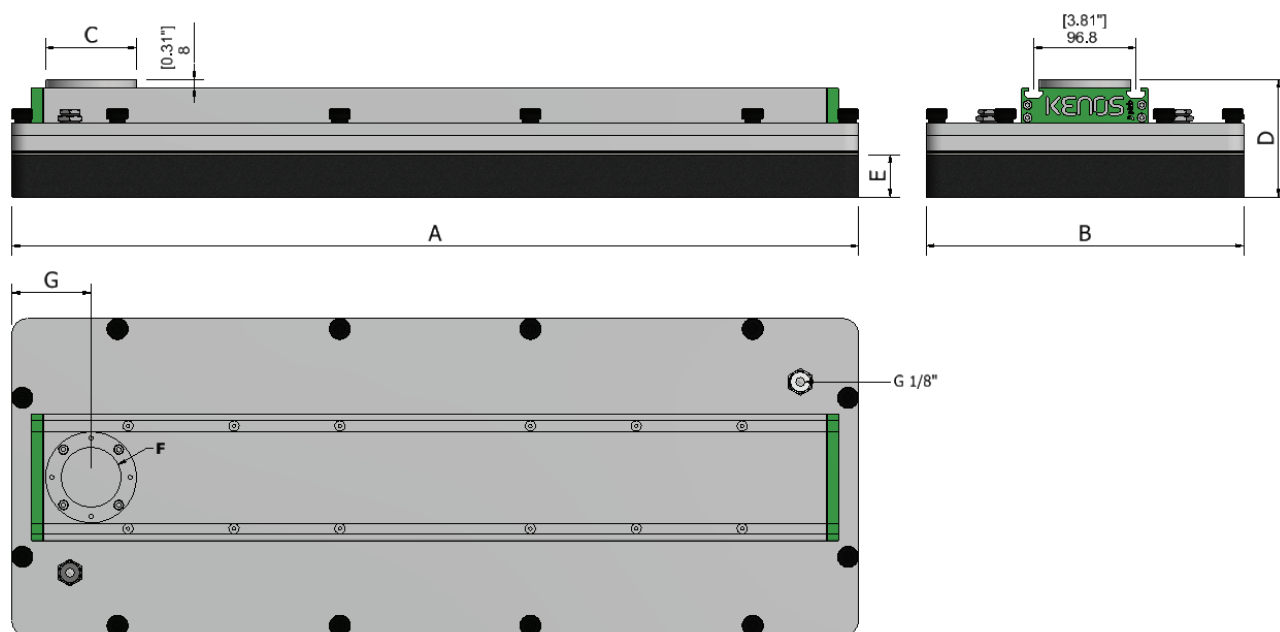
	Type	A (mm)	B (mm)	D* (mm)	E (mm)	G** (mm)	Weight (kg)
TYPE 240	KVGL400-240	400	240	104	10/20/30/40	–	7.4
	KVGL600-240	600	240	104	10/20/30/40	–	10.9
	KVGL800-240	800	240	104	10/20/30/40	310	14.7
	KVGL1000-240	1000	240	104	10/20/30/40	310	18.2
	KVGL1200-240	1220	240	104	10/20/30/40	310	22.0
TYPE 300	KVGL400-300	400	300	104	10/20/30/40	–	8.7
	KVGL600-300	600	300	104	10/20/30/40	–	13.1
	KVGL800-300	800	300	104	10/20/30/40	310	16.7
	KVGL1000-300	1000	300	104	10/20/30/40	310	20.7
	KVGL1200-300	1220	300	104	10/20/30/40	310	25.0

	Type	A (mm)	B (mm)	D* (mm)	E (mm)	G** (mm)	Weight (kg)
TYPE 400	KVGL400-400	400	400	104	10/20/30/40	–	10.7
	KVGL600-400	600	400	104	10/20/30/40	–	16.2
	KVGL800-400	800	400	104	10/20/30/40	310	21.4
	KVGL1000-400	1000	400	104	10/20/30/40	310	26.6
	KVGL1200-400	1220	400	104	10/20/30/40	310	32.4

*The total dimension (D) is calculated with 40 mm foam.

**On KVGL400 and KVGL600 grippers there are no exhaust holes because the exhaust takes place axially.

DIMENSIONS FOR KVGL-S WITH BLOWER



Type		A (mm)	B (mm)	C (mm)	D* (mm)	E (mm)	F (inch)	G (mm)	Weight (kg)
TYPE 240	KVGL400-240	400	240	70/86	112	10/20/30/40	G1-1/4" /2"	65/75	7.2
	KVGL600-240	600	240	70/86	112	10/20/30/40	G1-1/4" /2"	65/75	10.2
	KVGL800-240	800	240	70/86	112	10/20/30/40	G1-1/4" /2"	65/75	14.1
	KVGL1000-240	1000	240	86	112	10/20/30/40	G2"	75	17.7
	KVGL1200-240	1220	240	86	112	10/20/30/40	G2"	75	21.5

Type		A (mm)	B (mm)	C (mm)	D* (mm)	E (mm)	F (inch)	G (mm)	Weight (kg)
TYPE 300	KVGL400-300	400	300	70/86	112	10/20/30/40	G1-1/4" /2"	65/75	8.4
	KVGL600-300	600	300	70/86	112	10/20/30/40	G1-1/4" /2"	65/75	12.5
	KVGL800-300	800	300	70/86	112	10/20/30/40	G2"	65/75	16.2
	KVGL1000-300	1000	300	86	112	10/20/30/40	G2"	75	20.2
	KVGL1200-300	1220	300	86	112	10/20/30/40	G2"	75	24.6
TYPE 400	KVGL400-400	400	400	86	112	10/20/30/40	G2"	75	10.5
	KVGL600-400	600	400	86	112	10/20/30/40	G2"	75	15.6
	KVGL800-400	800	400	86	112	10/20/30/40	G2"	75	20.9
	KVGL1000-400	1000	400	86	112	10/20/30/40	G2"	75	26.1
	KVGL1200-400	1220	400	86	112	10/20/30/40	G2"	75	31.8

*The total dimension (D) is calculated with 40 mm foam.