

MODEL

K

AIR POWERED
BALL
VIBRATORS



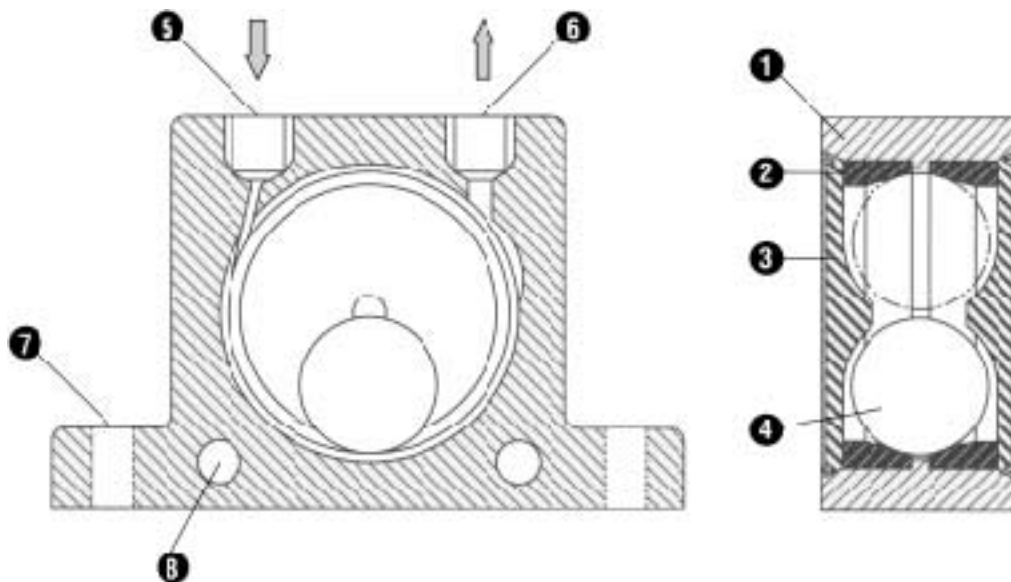
QUICK FACTS

- Hardened Steel Races
- Multiple Mounting Positions
- Nylon Endplates Standard
- Maximum Temperature 100°C

DESCRIPTION. Manufactured with a rustproof extruded aluminum body fitted with hardened steel races on which a steel ball rotates. Nylon end plates on each side contain the ball and prevent the ingress of dust and water, allowing the unit to be used in a dust- and moisture-free environment. Inlet and exhaust ports have standard pipe threads, allowing the exhaust air to be piped away. Suitable for temperatures up to 212°F. Four mounting holes are provided, two vertically and two horizontally for handling difficult mounting positions.

APPLICATION. Series K pneumatic ball vibrators frequency can be regulated by adjusting the flow of air to the vibrator making them useful for:

- Assisting the flow of material from
▫ chutes and hoppers
- Preventing bottles and similar objects
▫ from locking together and blocking
▫ conveyor systems
- Compaction of material in containers
▫ or moulds
- Separation of various sizes of material
▫ on screens



- 1 ▫ Extruded aluminum alloy body
- 2 ▫ Hardened ground steel alloy races
- 3 ▫ Nylon endplates
- 4 ▫ Hardened lapped ball
- 5 ▫ Air inlet
- 6 ▫ Air exhaust
- 7 ▫ Base mounting holes
- 8 ▫ Lateral mounting

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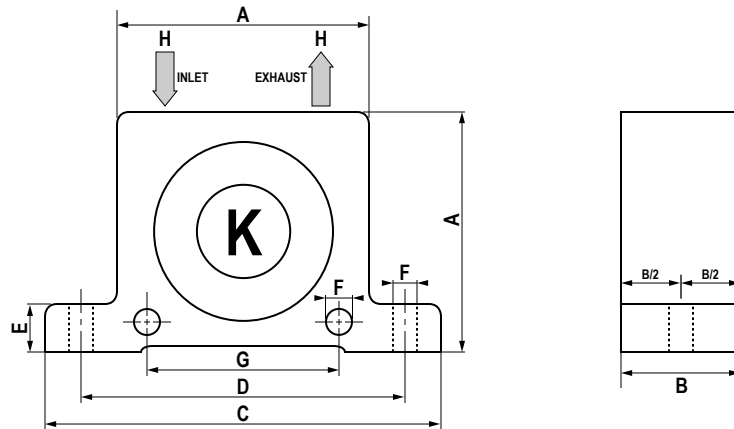
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PERFORMANCE DATA

TYPE	FREQUENCY V.P.M.			CENTRIFUGAL FORCE						AIR CONSUMPTION/MINUTE								
	2 Bar	29 PSI	4 Bar	58 PSI	6 Bar	67 PSI	2 Bar	29 PSI	4 Bar	58 PSI	6 Bar	87 PSI	2 Bar	29 PSI	4 Bar	58 PSI	6 Bar	87 PSI
	Bar	PSI	Bar	PSI	Bar	PSI	N	LBS	N	LBS	N	LBS	Litre	CF	Litre	CF	Litre	CF
K8	24500	31000	35000	180	40	290	52	370	83	83	2.9	145	5.1	195	6.9			
K10	21600	26800	30000	210	47	320	72	400	90	92	3.2	150	5.3	200	7.1			
K13	16000	20800	23600	390	88	650	146	850	191	94	3.3	158	5.6	225	7.9			
K16	14300	17600	20200	540	122	820	184	1090	245	122	4.3	200	7.1	280	9.9			
K20	10700	14200	16000	760	171	1340	302	1700	382	130	4.6	230	8.1	340	12.0			
K25	10100	13200	14500	1180	265	2000	450	2420	545	160	5.6	290	10.2	425	15.0			
K30	7600	10000	11000	1530	344	2660	598	3210	722	215	7.6	375	13.2	570	20.0			
K36	7500	9300	10300	2340	526	3590	808	4400	990	260	9.2	475	16.8	675	24.0			

Standard Units: K8 to K36 with nylon endplates
Maximum Temperatures 100°C (212°F)

Special Units: K20HT to K36HT (available through special order)
Maximum temperatures 150°C (300°F)



DIMENSIONS

TYPE	A		B		C		D		E		F		G		H		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	BSP*	KG	LBS	
K8	50	1.97	20	0.79	86	3.38	68	2.68	12	0.47	7	0.27	40	1.57	1/4"	0.130	.29	
K10	50	1.97	20	0.79	86	3.38	68	2.68	12	0.47	7	0.27	40	1.57	1/4"	0.130	.29	
K13	65	2.56	24	0.94	113	4.45	90	3.54	16	0.63	9	0.35	50	1.97	1/4"	0.230	.57	
K16	65	2.56	27	1.06	113	4.45	90	3.54	16	0.63	9	0.35	50	1.97	1/4"	0.300	.66	
K20	80	3.15	33	1.30	128	5.04	104	4.09	16	0.63	9	0.35	60	2.36	1/4"	0.530	1.17	
K25	80	3.15	38	1.50	128	5.04	104	4.09	16	0.63	9	0.35	60	2.36	1/4"	0.630	1.39	
K30	100	3.94	44	1.73	160	6.30	130	5.12	20	0.79	11	0.43	80	3.15	3/8"	1.130	2.49	
K36	100	3.94	50	1.97	160	6.30	130	5.12	20	0.79	11	0.43	80	3.15	3/8"	1.340	2.95	

Data obtained on a heavy laboratory test block.
Frequency and force will decrease on a less rigid mount.

* Will Accept NPT