

## K - Cushioned

In pneumatic vibrators K series, the vibration is generated by the linear movement of a floating piston without impact between the internal surfaces.

They represent an excellent solution to rat holes as well as for internal applications that require a noise level below 80 dB [A].

AERATORS

AIR JET

PNEUMATIC LINEAR

PNEUMATIC ROTARY

ELECTRIC

HYDRAULIC

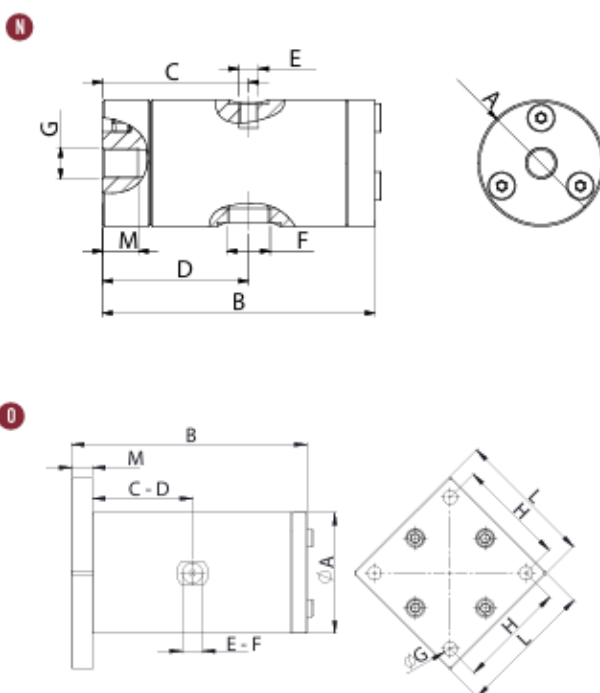


### K - CUSHIONED - PNEUMATIC LINEAR VIBRATORS

APPLICATION	Hopper silo - compaction - vibrating feeder - table and channel
POWDER	Hygroscopic - dusty and granular and electrostatic materials
PROBLEM SOLVING	Bridge and rat-holing - detaching and compacting

### FEATURES

DUTY CYCLE	Continuous
WORKING PRESSURE	From 2 bar to 6 bar (from 29 psi to 87 psi)
PNEUMATIC CIRCUIT	K: Filter + flow control valve + lubrication + 3/2 ways valve N.C. K-LF: Filter + flow control valve + 3/2 ways valve N.C. for lubrication free version
AIR SUPPLY QUALITY	K: Class 5.4.4 K-LF: Class 5.4.1 for lubrication free version
WORKING TEMPERATURE	From -20 °C to 130 °C (from -4 °F to 266 °F)
MAX NOISE LEVEL	80 dB(A)
TECHNOLOGY	Piston cushioned
ATEX	II 2D c Tx II 2G c Tx
MATERIAL	Aluminium body and Ixef® cover



DIMENSIONAL SPECIFICATIONS

Model	Draw.	AØ		B		C		D		E		F		GØ	H		L		M		Weight	
		mm	in	mm	in	mm	in	mm	in	IN	OUT	mm	in		mm	in	mm	in	kg	lb		
K 15 - K 15 LF	N	32	1.3	69	2.7	37	1.5	37	1.5	M5	1/8" BSPP	M8	/	/	/	/	/	9	0.4	0.2	0.4	
K 22 - K 22 LF	N	45	1.8	105	4.1	56	2.2	56	2.2	1/8" BSPP	1/8" BSPP	M10	/	/	/	/	13	0.5	0.5	1.1		
K 30 - K 30 LF	N	60	2.4	116	4.6	62	2.4	62	2.4	1/4" BSPP	1/4" BSPP	M12	/	/	/	/	13	0.5	1.0	2.3		
K 45 - K 45 LF	D	80	3.2	151	5.9	78	3.1	78	3.1	1/4" BSPP	3/8" BSPP	Ø 8.5	72	2.8	90	3.5	15	0.6	2.9	6.3		
K 60 - K 60 LF	D	115	4.5	224	8.8	115	4.5	115	4.5	1/2" BSPP	1/2" BSPP	Ø 13	102	4.0	130	5.1	20	0.8	4.6	10.1		

LF = Lubrication Free

Model	2 BAR (29 PSI)								4 BAR (58 PSI)								6 BAR (87 PSI)							
	Vibr.		Force		Working moment		Air consumption		Vibr.		Force		Working moment		Air consumption		Vibr.		Force		Working moment		Air consumption	
	VPM	N	lb	kgcm	inlb	l/min*	cfm	VPM	N	lb	kgcm	inlb	l/min*	cfm	VPM	N	lb	kgcm	inlb	l/min*	cfm			
K 15	5040	33.4	7.5	0.02	0.02	9	0.3	5880	45.4	10.2	0.02	0.02	15	0.5	6720	59.4	13.3	0.02	0.02	21	0.7			
K 22	2880	95.4	21.4	0.21	0.18	32	1.1	3480	139.3	31.3	0.21	0.18	50	1.8	4080	191.5	43.0	0.21	0.18	73	2.6			
K 30	2640	171.8	38.6	0.45	0.39	45	1.6	3120	239.9	53.9	0.45	0.39	90	3.2	3720	341.1	76.7	0.45	0.39	140	4.9			
K 45	1920	390.9	87.8	1.94	1.68	56	2.0	2400	610.8	137.3	1.94	1.68	125	4.4	2580	705.9	158.6	1.94	1.68	194	6.8			
K 60	1260	722.6	162.4	8.31	7.21	70	2.7	1560	1107.7	248.9	8.31	7.21	125	4.4	2160	2123.7	477.3	8.31	7.21	202	7.1			
K 15 LF	5040	33.4	7.5	0.02	0.02	9	0.3	5880	45.4	10.2	0.02	0.02	15	0.5	6720	59.4	13.3	0.02	0.02	21	0.7			
K 22 LF	2880	81.8	18.4	0.18	0.16	32	1.1	3480	119.4	26.8	0.18	0.16	50	1.8	4080	164.1	36.9	0.18	0.16	73	2.6			
K 30 LF	2640	160.3	36.0	0.42	0.36	45	1.6	3120	223.9	50.3	0.42	0.36	90	3.2	3720	318.4	71.5	0.42	0.36	140	4.9			
K 45 LF	1920	394.2	88.6	1.95	1.69	56	2.0	2400	615.9	138.4	1.95	1.69	125	4.4	2580	711.7	159.9	1.95	1.69	194	6.8			
K 60 LF	1260	722.6	162.4	8.31	7.21	70	2.7	1560	1107.7	248.9	8.31	7.21	125	4.4	2160	2123.7	477.3	8.31	7.21	202	7.1			

LF = Lubrication Free

\* Indicates in l/min the total air consumption normalized at the rated pressure.

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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- > Conformity with European Directive
- > IIEG Ex h IIB Tx Gb II 2D Ex h IIIC Tx Db