

# Pneumatic Piston Vibrators MKK

Pneumatic MKK Piston Vibrators produce directional vibrations. The frequency and centrifugal force can be continuously adjusted by the air pressure. They are particularly efficient at bulk materials that tend to stick to the wall, e.g. hygroscopic materials having coarse particle size, electrostatic powders or powders which tend to granulate. MKK vibrators are an effective solution against bridging or ratholing phenomena especially in indoor applications, where low noise of maximum 80 dB(A) are normally requested.

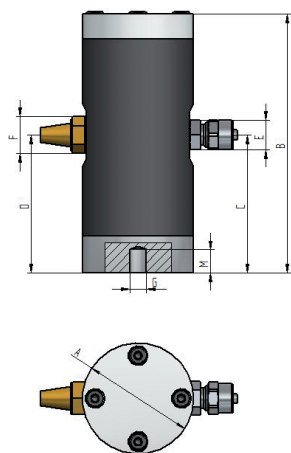


**working temperature:** -20°C till +130°C  
**noise emission:** < 80 db(A)<sup>1</sup>

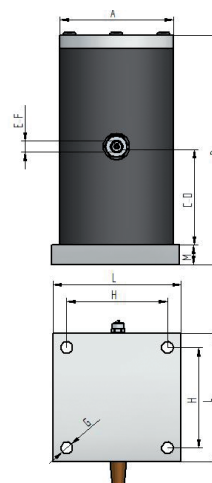
They are designed and tested for use in potentially explosive areas classified as zone 21 (dust) and zone 1 (gas) CAT II 2 GD

type	vibrations			centrifugal force			air consumption			working moment	weight
	min <sup>-1</sup>			N			l/min			cm kg	kg
	2bar	4bar	6bar	2bar	4bar	6bar	2bar	4bar	6bar	2bar – 6bar	
MKK 15	5,040	5,880	6,720	33	45	59	9	15	21	0.02	0.17
MKK 22	2,880	3,480	4,080	95	139	191	32	50	73	0.21	0.50
MKK 30	2,640	3,120	3,720	172	240	341	45	90	140	0.45	1.03
MKK 45	1,920	2,400	2,580	391	661	706	56	125	194	1.94	2.86
MKK 60	1,260	1,560	2,160	723	1,108	2,124	70	125	202	8.31	4.60

Figur 1



Figur 2



type	Fig.	A	B	C	D	E	F	G	H	I	M
		mm	mm	mm	mm	IN	OUT		mm	mm	mm
MKK 15	1	32	69	37	37	M5	1/8"	M 8	-	-	-
MKK 22	1	45	105	56	56	1/8"	1/8"	M 10	-	-	-
MKK 30	1	60	116	62	62	1/4"	1/4"	M 12	-	-	-
MKK 45	2	80	151	78	78	1/4"	3/8"	Ø8	72	90	15
MKK 60	2	115	224	115	115	1/2"	1/2"	Ø13	102	130	20

<sup>1</sup> measured in normal operating conditions in accordance with standard UNI EN ISO 11201. In order to avoid unnecessary noise for the environment, we recommend to operate the vibrators with a silencer.

The above given technical performance data are non-binding average values and are subject to modifications and amendments.