TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

Lubrication free internal piston vibratortype FPLF25M

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Description:
Lubrication free pneumatic piston vibrators for a linear vibration with unlimited fine-tuning facilities for amplitude and frequency. Wide range.

VIBRATING AND PNEUMATIC CARACTERISTICS

	2 Bars/29 PSI	4 Bars/58 PSI	6 Bars/87 PSI
Frequency (strike/min)	3000	3800	4200
Force (N)	142	364	504
Force (LBS)	31,98	81,98	113,51
Air cons. (l/min)	23	50	87
Air cons. (CF)	0,82	1,79	3,11

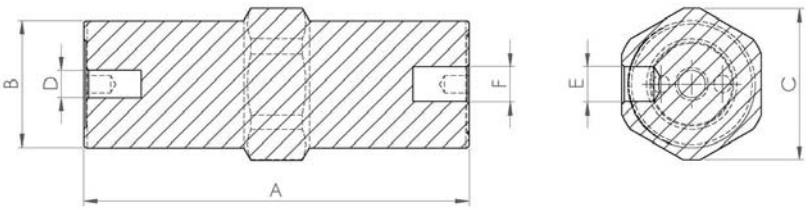
Typical applications:
- Foodstuffs and pharmaceuticals
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk materials
- Starting up of mechanical processes
- Filling facilities

Construction:
- Lubrication free operation possible.
- Extra hard and corrosion-resistant surface through aluminium oxide-generated by titaniferous electrolyte.
- Ideally suited for foodstuffs, drinks and pharmaceuticals.

Properties:
- Efficient
- Nominal frequency 3000 – 4200 strikes/min
- Centrifugal force 142 – 504 N
- Frequency and amplitude can be regulated
- Can be used at temperatures up to 150°C
- Resistant to extreme environmental conditions
- Extremely low noise level

Design:
Housing made from hard-anodized aluminium alloy
Piston made from leaded-bronze
Steel spring starting device
Sound-absorbing air outlet system
Hard anodized aluminium base
Threaded insert for mounting purposes

DIMENSIONAL SPECIFICATIONS



	mm	inch
A	116	4,57
B	116	4,57
C	50	1,97
D	M12	M12
E	G 1/8”	G 1/8”
F	G 1/4”	G 1/4”

	kg	LBS
Vibrator weight	0,65	1,444
Housing weight	0,435	0,967
Piston weight	0,215	0,478

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