TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

Lubrication free internal piston vibratortype FPLF18M

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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)	4000	5000	5900
Force (N)	68	134	188
Force (LBS)	15,32	30,18	42,34
Air cons. (l/min)	4	28	52
Air cons. (CF)	0,14	1,00	1,86

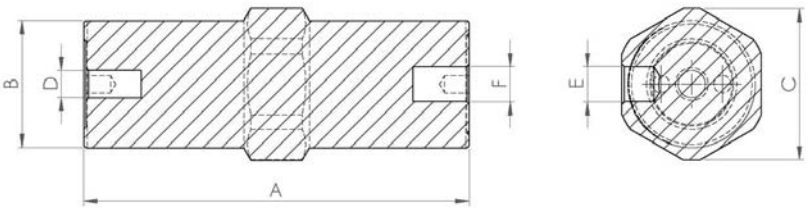
Typical applications:
- Foodstuffs and pharmaceuticals
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk materials
- Starting up of mechanical processes
- Filling facilities

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 4000 – 5900 strikes/min
- Centrifugal force 68 – 188 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	94	3,70
B	94	3,70
C	42	1,65
D	M10	M10
E	G 1/8”	G 1/8”
F	G 1/8”	G 1/8”

	kg	LBS
Vibrator weight	0,336	0,747
Housing weight	0,26	0,578
Piston weight	0,08	0,178

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