

## Lubrication free internal piston vibratortype FPLF50M

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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 CHARACTERISTICS

	2 Bars/29 PSI	4 Bars/58 PSI	6 Bars/87 PSI
Frequency (strike/min)	1850	2300	2800
Force (N)	490	970	1600
Force (LBS)	416,67	518,02	630,63
Air cons. (l/min)	48	120	192
Air cons. (CF)	1,71	4,29	6,86

**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.

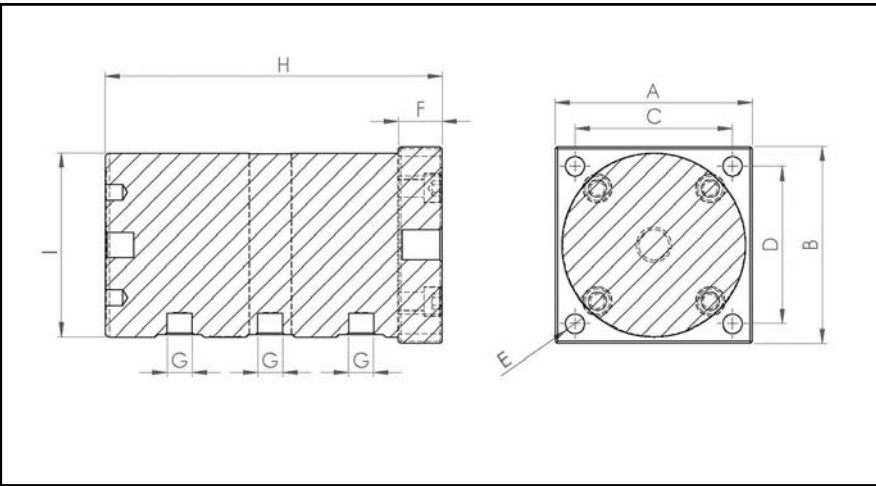
**Properties:**

- Efficient
- Nominal frequency 490 – 1600 strikes/min
- Centrifugal force 1850 – 2800 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	90	3,55
B	90	3,55
C	72	2,84
D	72	2,84
E	8,8	0,35
F	20	0,79
G	G 1/4"	G 1/4"
H	G 1/4"	G 1/4"
I	G 1/4"	G 1/4"
J	G 1/4"	154
K	154	84
	kg	LBS
Vibrator weight	3,3	7,333
Housing weight	1350	3000
Piston weight	1500	3333

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