TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

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Lubrication free internal piston vibratortype FPLF35S EX

CE EX II 2 G/D c T6 T85°C

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 (RPM)	3800	4700	5800
Force (N)	294	668	1038
Force (LBS)	66,22	150,45	233,78
Air cons. (l/min)	23	101	162
Air cons. (CF)	0,82	3,61	5,79

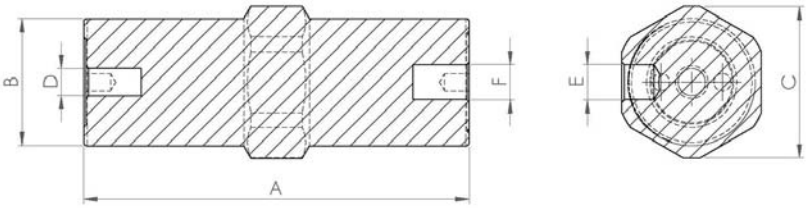
Typical applications:
- Foodstuffs and pharmaceuticals
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk materials
- Starting up of mechanical processes
- Filling facilities

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 3800 – 5800 strikes/min
- Centrifugal force 294 – 1038 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	98	3,86
B	98	3,86
C	65	2,56
D	M12	M12
E	G 1/4”	G 1/4”
F	G 1/4”	G 1/4”

	kg	LBS
Vibrator weight	0,845	1,878
Housing weight	0,53	1,178
Piston weight	0,315	0,700

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