Piston-Vibrators FPLF

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

Properties

- Efficient
- Nominal frequency 1'800 – 9'300 min^{-1}
- Centrifugal force 32 – 6'150 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

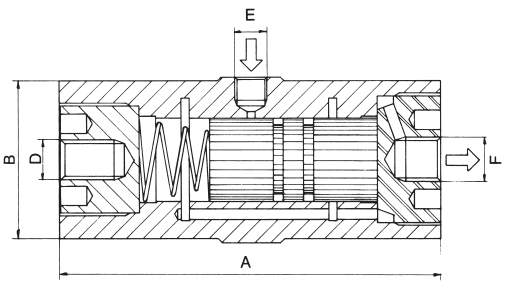
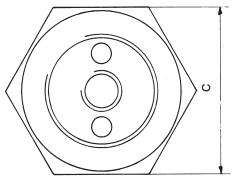
Typical applications

- 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.

Technical Data (in detail and with PSI, LBS, CF: www.findeva.com)

Model	Vibrations 1000 min^{-1}		Power N		Air consumption l min^{-1}		A Length mm	C SW mm	D Thread	E Inlet	F Outlet
	2 bars	6 bars	2 bars	6 bars	2 bars	6 bars					
FPLF-12-S	6,2	9,3	34	92	0,8	25	71	34	M- 8	1/8"	1/8"
FPLF-12-M	5	6,7	34	74	0,5	19	81	34	M- 8	1/8"	1/8"
FPLF-12-L	4	5,4	32	81	1	20	94	34	M- 8	1/8"	1/8"
FPLF-18-S	5	7,7	66	187	5	57	81	42	M-10	1/8"	1/8"
FPLF-18-M	4	5,9	68	188	4	52	94	42	M-10	1/8"	1/8"
FPLF-18-L	3,1	4,6	64	206	5	46	109	42	M-10	1/8"	1/8"
FPLF-25-S	3,6	5,5	126	416	13	93	98	50	M-12	1/8"	1/4"
FPLF-25-M	3	4,2	142	504	23	87	116	50	M-12	1/8"	1/4"
FPLF-25-L	2,4	3,7	186	594	18	93	136	50	M-12	1/8"	1/4"
FPLF-35-S	3,8	5,8	294	1038	23	162	98	65	M-12	1/4"	1/4"
FPLF-35-M	3	4,6	248	1080	24	141	116	65	M-12	1/4"	1/4"
FPLF-35-L	2,4	3,6	282	1066	38	135	136	65	M-12	1/4"	1/4"
FPLF-50-M	1,85	2,8	490	1660	48	192	154				
FPLF-60-M	1,95	2,7	610	2170	90	275	154				
FPLF-95-M	1,8	2,8	1620	6150	170	490	156				

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