

Pneumatic Piston Linear Vibrator - LF

The FPLF model pneumatic piston vibrator does not require lubrication. It produces a linear vibration with an infinitely variable amplitude and frequency. The frequency is controlled by the air pressure.



A spring is incorporated in the body to ensure self starting when used in conjunction with a self exhausting valve. The vibrator requires a minimum of 30 PSI to operate.

The aluminium body is hard coated, corrosion resistant and the piston is specially treated for lubrication free use.

The power-to-weight ratio of the unit makes it particularly efficient for feeder applications. Explosion proof, light weight, compact, quiet and efficient, these units are ideal for most applications. Easy to install and designed to work continuously under the most arduous conditions. Servicing requirements are minimal.

Installation Instructions

An air line filter must be used to guarantee a long working-life.

These vibrators are suitable for use in ambient temperatures up to 50°C = 120°F.
Maximum air pressure 6 Bar = 87 PSI.

General Maintenance

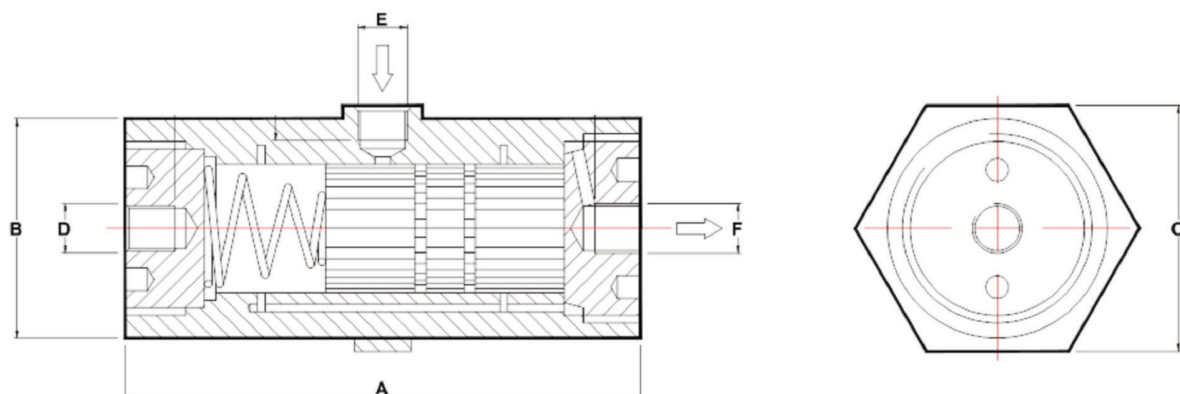
The FPLF model vibrator has a long life with no undue piston or cylinder wear. The air line filter must be inspected and cleaned at regular intervals. Dirt or contaminated oil will slow down or stop the vibrator.

On request can be supplied with ATEX certification
to **ATEX 95 95/9/EC**  **II 2 G & D Zone 2 & 22**

Performance Data

TYPE	Frequency V.P.M.			Linear Force Measured						Air Consumption / Minute						Noise Level	
	2 Bar 29 PSI	4 Bar 58 PSI	6 Bar 87 PSI	2 Bar N	29 PSI lbs	4 Bar N	58 PSI lbs	6 Bar N	87 PSI lbs	2 Bar litr	29 PSI CFM	4 Bar litr	58 PSI CFM	6 Bar litr	87 PSI CFM	A** dB	A*** dB
FPLF-12-M	5000	6000	6700	34	7.6	58	13	74	16.6	0.5	0.02	4	0.14	19	-	57-61	-
FPLF-18-M	4000	5000	5900	68	15.3	134	30.1	188	42.3	4	0.14	28	1	52	-	61-67	-
FPLF-25-M	3000	3800	4200	142	31.9	364	81.8	504	113.3	23	0.81	50	1.76	87	-	73-75	62-66
FPLF-35-M	3000	4000	4600	248	55.7	778	174.9	1080	242.8	24	0.84	83	2.93	141	-	74-78	70-73

Note ** with customary silencer *** with 1/4" free flow silencer



Dimensions

TYPE	A		B		C		D Metric Thread	E BSP Thread	F BSP Thread	Weight of Body		Weight of Piston		Total Weight	
	mm	inch	mm	inch	mm	inch				kg	lbs	kg	lbs	kg	lbs
FPLF-12-M	81	3.19	31	1.22	34	1.34	M8	1/8"	1/8"	0.140	0.309	0.030	0.066	0.170	0.375
FPLF-18-M	94	3.70	40	1.57	42	1.65	M10	1/8"	1/8"	0.260	0.575	0.080	0.175	0.340	0.750
FPLF-25-M	116	4.57	48	1.89	50	1.97	M12	1/8"	1/4"	0.435	0.955	0.215	0.475	0.650	1.430
FPLF-35-M	116	4.57	58	2.28	65	2.55	M12	1/4"	1/4"	0.610	1.344	0.430	0.947	1.040	2.292

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