

Piston-Vibrators FPLF-12 to 35

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



Properties

- Quiet and efficient
- Lubrification-free
- Rated frequency 2'400 – 9'300 min⁻¹
- Force 32 – 6'066 N
- Continuously variable
- Applicable up to 120°C, HT version up to 150°C and LT version down to -40°C on request
- Resistant against extreme environmental conditions
- Also available with ATEX certification

Field of application

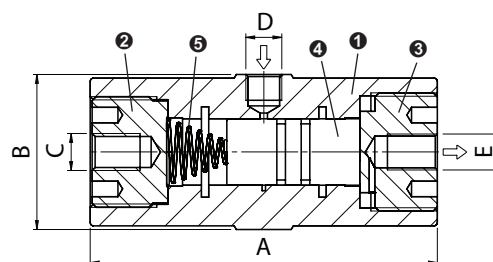
- For foodstuffs and pharmaceuticals,
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk solids
- Activating of mechanical processes
- Filling facilities

Construction

Extra hard and corrosion-resistant surface through aluminium oxide, generated by titaniferous electrolyte.

Dimensions and weights

Model	A [mm]	B (ws) [mm]	C	D Thread	E Thread	Weight [kg]
FPLF-12-XS	50	37	M8	G 1/8"	G 1/8"	0.10
FPLF-12-S	71	34	M8	G 1/8"	G 1/8"	0.15
FPLF-12-M	81	34	M8	G 1/8"	G 1/8"	0.18
FPLF-12-L	94	34	M8	G 1/8"	G 1/8"	0.21
FPLF-18-S	81	42	M10	G 1/8"	G 1/8"	0.30
FPLF-18-M	94	42	M10	G 1/8"	G 1/8"	0.35
FPLF-18-L	109	42	M10	G 1/8"	G 1/8"	0.42
FPLF-25-S	98	50	M12	G 1/8"	G 1/4"	0.55
FPLF-25-M	116	50	M12	G 1/8"	G 1/4"	0.67
FPLF-25-L	136	50	M12	G 1/8"	G 1/4"	0.82
FPLF-35-S	98	65	M12	G 1/4"	G 1/4"	0.93
FPLF-35-M	116	65	M12	G 1/4"	G 1/4"	1.13
FPLF-35-L	136	65	M12	G 1/4"	G 1/4"	1.38



- ① Aluminium housing, coated with hard Ematal
- ② Hard anodized aluminium socket
- ③ Cap anodized
- ④ Piston of covered steel
- ⑤ Compression spring

Technical data

Model	Vibrations [x 1000 min ⁻¹]			Force [N]			Air consumption [l/min]		
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar
FPLF-12-XS	6.0	9.0	11.5	22	48	68	0.8	6.0	15.0
FPLF-12-S	6.2	7.8	9.3	34	70	92	0.8	7.5	25.0
FPLF-12-M	5.0	6.0	6.7	34	58	74	0.5	4.0	19.0
FPLF-12-L	4.0	4.8	5.4	32	58	81	1.0	3.0	20.0
FPLF-18-S	5.0	6.4	7.7	66	134	187	5.0	33.0	57.0
FPLF-18-M	4.0	5.0	5.9	68	134	188	4.0	28.0	52.0
FPLF-18-L	3.1	4.0	4.6	64	150	206	5.0	23.0	46.0
FPLF-25-S	3.6	4.3	5.5	126	270	416	13.0	54.0	93.0
FPLF-25-M	3.0	3.8	4.2	142	364	504	23.0	50.0	87.0
FPLF-25-L	2.4	3.1	3.7	186	392	594	18.0	62.0	93.0
FPLF-35-S	3.8	4.7	5.8	294	668	1'038	23.0	101.0	162.0
FPLF-35-M	3.0	4.0	4.6	248	778	1'080	24.0	83.0	141.0
FPLF-35-L	2.4	3.1	3.6	282	680	1'066	38.0	89.0	135.0