



# Piston-Vibrators FPLF-50 bis 95

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

## Properties

- Quiet and efficient
- Lubrication-free
- Rated frequency 1'800 – 2'800 min<sup>-1</sup>
- Force 490 – 6'150 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

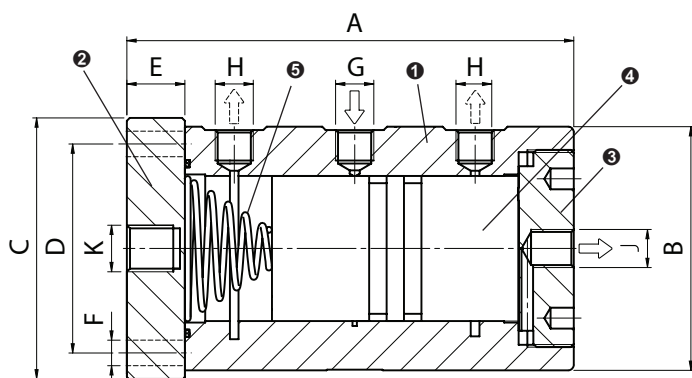
## Construction

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

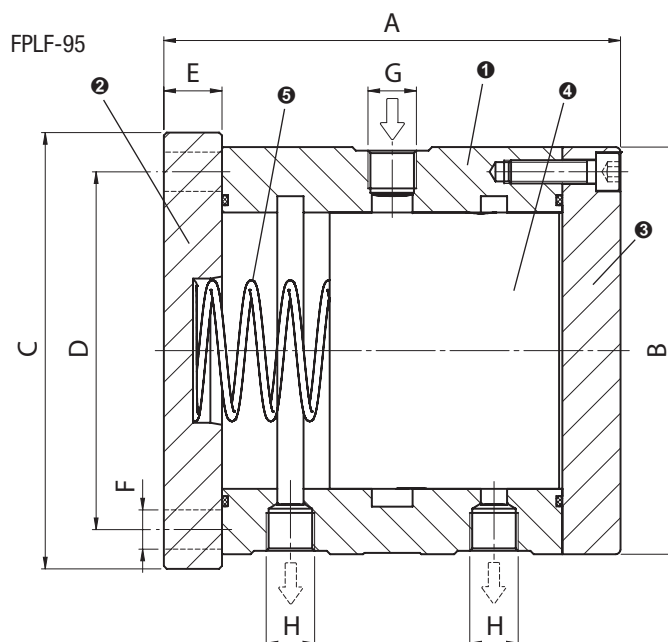
## Dimensions and weights

Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G Thread	H Thread	J Thread	K	Weight [kg]
FPLF-50-M	154	∅ 84	90	72	20	8.8	G 1/4"	G 1/4"	G 1/4"	M16	3.05
FPLF-60-M	154	∅ 94	110	90	20	8.8	G 1/4"	G 3/8"	G 1/4"	M16	4.10
FPLF-95-M	157	∅ 140	150	125	20	13.0	G 3/8"	G 3/8"	G 3/8"	–	8.75

FPLF-50 and 60



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



## Technical data

Model	Vibrations [x 1000 min <sup>-1</sup> ]			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-50-M	1.85	2.3	2.8	490	970	1'600	48.0	100	190
FPLF-60-M	1.95	2.4	2.7	610	1'400	2'170	90.0	160	270
FPLF-95-M	1.8	2.4	2.8	1'620	4'060	6'150	170.0	320	450