

Piston-Vibrators FAL (lubrication free)

Pneumatic piston vibrators for linear vibration with unlimited fine-tuning facilities for amplitude and frequency. Wide range.



Properties

- Quiet and efficient
- Lubrication-free possible (FAL)
- Rated frequency 1'130 – 3'400 min⁻¹
- Force 12 – 2'740 N
- Continuously variable
- FAL 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

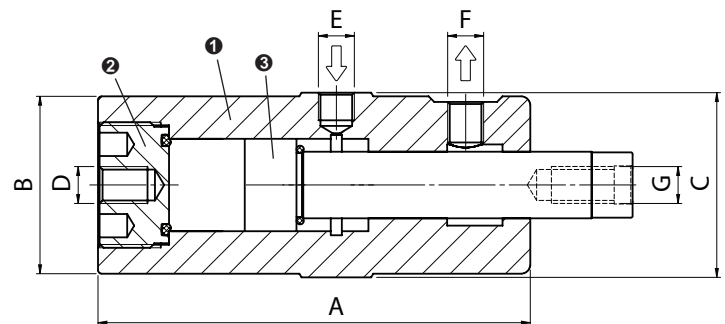
Field of application

- For foodstuffs and pharmaceuticals
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk solids
- Activating of mechanical processes
- Filling facilities
- Bellows for ATEX or dusty environment as accessory

Construction

- The vibration is generated by a freely oscillating, self-reversing piston.
- The optimum power to weight ratio makes its employment in conveying impulses efficient.
- FAL: Extra hard and non-corrosive surface through aluminium oxide – generated by titaniferous electrolyte.

FAL:
 ① Aluminium housing, coated with hard Ematal ②
 Socket hard anodized aluminium
 ③ Piston covered steel



Technical data, Dimensions, weights and piston stroke

Model	Vibrations [x 1000 min ⁻¹]			Force [N]			Air consumption [l/min]			A [mm]	B ø	C (SW) [mm]	D	E	F	G	Weight [kg]	Piston-Stroke [mm]
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar									
FAL-8	2.05	2.9	3.4	12	30	42	8	18	30	91	20	23	M6	M5	M5	M5	0.09	27.0
FAL-18	1.42	1.9	2.25	60	140	205	20	40	60	117	48	50	M10	G 1/8"	G 1/8"	M10	0.67	33.0
FAL-25	1.13	1.55	2.02	120	265	530	40	110	155	139	60	65	M16	G 1/4"	G 1/4"	M16	1.31	40.0
FAL-35	1.24	1.55	2.01	205	340	655	75	220	350	140	77	-	M16	G 1/4"	G 1/4"	M16	2.35	37.0