



Piston-Vibrators FAL (lubrication-free) and VTL

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

Properties

- Quiet and efficient
- Rated frequency 1'130 – 3'400 vpm
- Force 12 – 2'740 N
- Continuously variable
- FAL can be used up to 85 °C, VTL-155 up to 100 °C, remaining VTLs up to 150 °C
- Resistant to extreme environmental conditions

Field of application

- For foodstuffs and pharmaceuticals, complies with FDA specifications (FAL only)
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk materials
- Starting up of mechanical processes
- Filling facilities
- Accessory for FAL: Bellows for ATEX or dusty environment

Construction

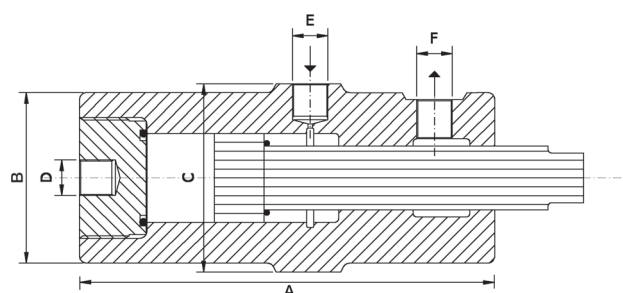
- With a freely flying piston, the tapered end of which protrudes from the vibrator's housing.
- Lubrication-free operation possible (FAL).
- Its optimum power to weight ratio makes its employment in producing conveying impulses particularly efficient.
- Extra hard and corrosion-resistant surface through aluminium oxide – generated by titaniferous electrolyte (FAL).

Steel housing: Series VTL 165, 255, 405, 555, 855.

Plastic housing: VTL 155.

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

Model	Vibrations 1000 vpm		Force N		Air consumption l/min		A Length mm	C SW mm	D Thread	E Inlet	F Outlet	Weight g	Piston- Stroke mm
	2 bar	6 bar	2 bar	6 bar	2 bar	6 bar							
FAL-8	2,05	3,4	12	42	8	30	91	23	M- 6	M-5	M-5	90	27,0
FAL-18	1,42	2,25	60	205	20	60	117	50	M-10	1/8"	1/8"	675	33,0
FAL-25	1,13	2,02	120	530	40	155	139	65	M-16	1/4"	1/4"	1315	40,0
FAL-35	1,24	2,01	205	655	75	350	140	-	M-16	1/4"	1/4"	2350	37,0
-													
VTL-155	1,8	2,7	40	96	18	85	114	-	M-10	1/8"	1/8"	555	34,0
VTL-165	1,9	2,6	43	96	17	70	111	-	M-10	1/8"	1/8"	1510	35,0
VTL-255	1,6	2,2	80	400	56	180	140	-	M-16	1/4"	1/4"	3220	45,0
VTL-405	1,4	2,0	200	650	80	390	140	-	M-16	1/4"	1/4"	5430	45,0
VTL-555	1,6	2,5	450	1305	140	717	125	-	M-20	3/8"	3/8"	8900	37,7
VTL-855	1,8	2,6	700	1530	301	900	122	-	M-20	3/8"	3/8"	17100	34,7
VTL-1105	2,1	3,0	1550	2740	345	920	122	-	M-20	1/2"	3/8"	25830	32,7



Housing made from hard-anodized aluminium alloy, steel or plastic
 Piston made from leaded-bronze or steel
 Threaded insert for mounting purposes