



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 2,7 – 616 lbf
- Continuously variable
- FAL can be used up to 185 °F, VTL-155 up to 212 °F, remaining VTLs up to 302 °F
- 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 PSI, lbf, CF, sizes in inches

Model	Vibrations 1000 vpm		Force lbf		Air consumption CF min ⁻¹		A Length inches	C SW inches	D Thread mm/inches	E Inlet mm/inches	F Outlet mm/inches	Weight lb	Piston- Stroke inches
	29 PSI	87 PSI	29 PSI	87 PSI	29 PSI	87 PSI							
FAL-8	2,05	3,4	2.7	9.5	0.28	1.05	3.59	0.91	M 6/024	M5/0.20	M5/0.20	0.198	1.06
FAL-18	1,42	2,25	13.5	46.5	0.70	2.12	4.61	1.97	M10/0.39	1/8"	1/8"	1.488	1.30
FAL-25	1,13	2,02	27.0	119.4	1.41	5.47	5.48	2.56	M16/0.63	1/4"	1/4"	2.899	1.57
FAL-35	1,24	2,01	205	147.5	2.65	12.36	5.52	-	M16/0.63	1/4"	1/4"	5.181	1.46
VTL-155	1,8	2,7	9.0	21.6	0.64	3.00	4.49	-	M10/0.39	1/8"	1/8"	1.224	1.34
VTL-165	1,9	2,6	9.7	21.6	0.60	2.47	4.37	-	M10/0.39	1/8"	1/8"	3.329	1.38
VTL-255	1,6	2,2	18.0	90.0	2.00	6.36	5.52	-	M16/0.63	1/4"	1/4"	7.099	1.77
VTL-405	1,4	2,0	45.0	146.1	2.83	13.77	5.52	-	M16/0.63	1/4"	1/4"	11.971	1.77
VTL-555	1,6	2,5	101.2	293.4	4.94	25.32	4.93	-	M20/0.79	3/8"	3/8"	19.621	1.48
VTL-855	1,8	2,6	137.4	344.0	10.63	31.78	4.81	-	M20/0.79	3/8"	3/8"	37.699	1.37
VTL-1105	2,1	3,0	348.5	616.0	12.18	32.49	4.81	-	M20/0.79	1/2"	3/8"	56.945	1.29

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

