



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
- Nominal frequency 2'400 – 9'500 min⁻¹
- Centrifugal force 30 – 1'100 N
- Frequency and amplitude can be regulated
- Can be used at temperatures up to 150 °C
- Resistant to extreme environmental conditions (FAL)
- Extremely low noise level

Typical applications

- Foodstuffs and pharmaceuticals lubrication free version FAL)
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk materials
- Starting up of mechanical processes
- Filling facilities

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.

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

Model	Vibrations 1000 min ⁻¹		Power N		Air consumption l min ⁻¹		A Length mm	C SW mm	D Thread	E Inlet	F Outlet
	2 bars	6 bars	2 bars	6 bars	2 bars	6 bars					
FAL-8	2,05	3,4	12	42	8	30	91	23	M- 6	M-5	M-5
FAL-18	1,42	2,25	60	205	20	60	117	50	M-10	1/8"	1/8"
FAL-25	1,13	2,02	120	530	40	155	139	65	M-16	1/4"	1/4"
FAL-35	1,24	2,01	205	655	75	350	140		M-16	1/4"	1/4"
VTL-155	1,8	2,7	40	96	18	85	114		M-10	1/8"	1/8"
VTL-165	1,9	2,6	43	96	17	70	111		M-10	1/8"	1/8"
VTL-255	1,6	2,2	80	400	56	180	140		M-16	1/4"	1/4"
VTL-405	1,4	2,0	200	650	80	390	140		M-16	1/4"	1/4"
VTL-555	1,6	2,5	450	1305	140	717	125		M-20	3/8"	3/8"
VTL-855	1,8	2,6	700	1530	301	900	122		M-20	3/8"	3/8"
VTL-1105	2,1	3,0	1550	2740	345	920	122		M-20	1/2"	3/8"

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

