



Application

These compact robust range of linear vibrators are suitable for use in a wide number of applications, to assist in the flow and control of many materials. The following being some of the more common:

- Feeders:** Natural Frequency Feeders
Particularly good for feeding light materials where large amplitudes are required
- Tables:** For packing industry, foundries for core making, up to loads of more than 1000 kg
- Screens:** Very effective on small screens for materials of low specific gravity, granular materials and powder
- Hoppers:** Certain applications where larger materials bridge. Not suitable for sticky or ratholing materials

Description

Linear vibrating force is delivered by a noiseless air cushioned piston. Frequency and amplitude can be regulated independently. Either piston or case can be used as a vibration inducer. Using additional masses the vibrator is able to work at low frequencies, down to 15Hz and to generate large amplitudes. VTL vibrators combine the advantages of low frequency rotary vibrators (large amplitudes) with those of magnetic vibrators (adjustable amplitudes). Additionally, they have the advantage of being able to select the most suitable frequency to obtain optimum results.

Accessories

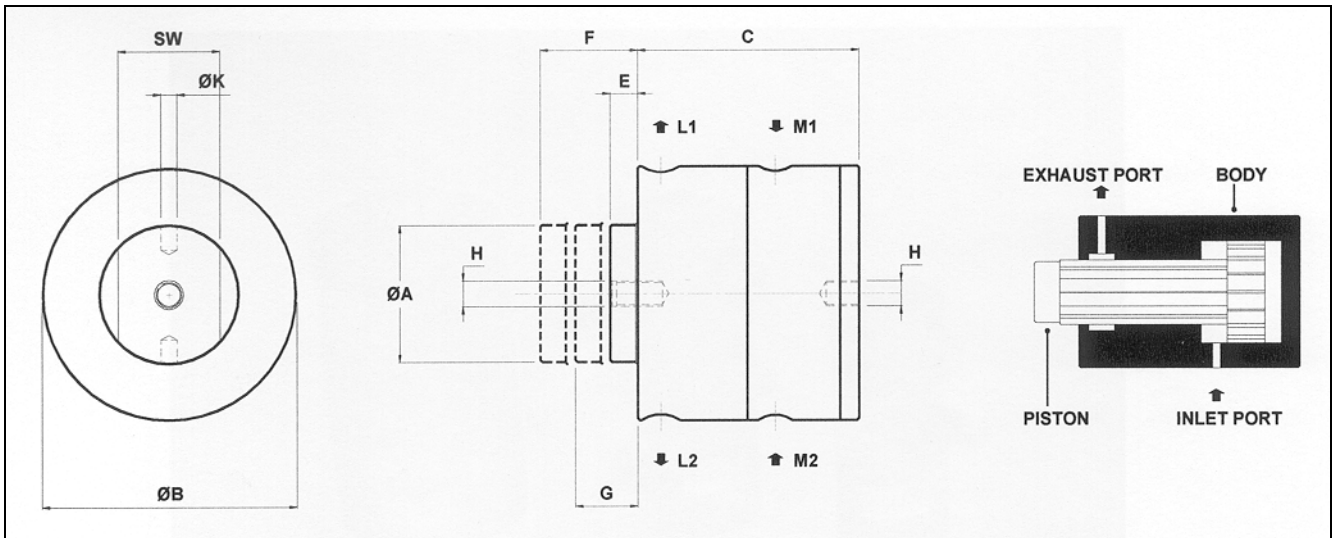
Silencers and suitable air inlet fittings are supplied with these vibrators.

also available in **ATEX 95 94/9/EC**  **II 2 G & D Zone 1, 2, 21, 22**

Technical Data

model	frequency	force		Air consumption
	min ⁻¹	N		l/min
	max.	min.	max.	max.
VTL-155	2700	40	96	85
VTL-165	2700	43	96	70
VTL-255	2200	82	398	180
VTL-405	2000	206	657	390
VTL-555	2500	451	1305	717
VTL-855	2650	706	1530	900
VTL-1105	3000	1550	2737	920

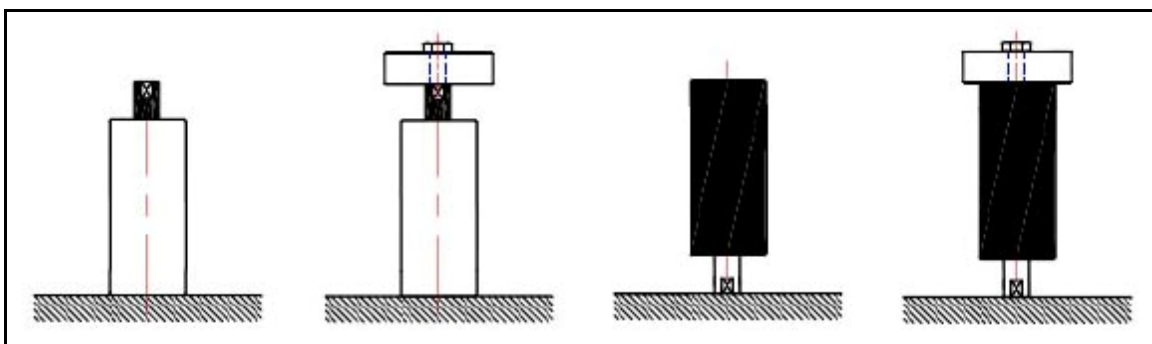
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Dimensions in mm

model	A	B	C	E	F	G	H	K	L1	L2	M1	M2	SW	weight / kg
VTL-155	16,0	50	114	9	43,0	24,0	M10	1/8"	1/8"		13			0,52
VTL-165	16,5	49	111	5	40,0	22,5	M10	1/8"	1/8"		14			1,48
VTL-255	25,5	64	140	9	54,0	36,5	M16	1/4"	1/4"		22			3,19
VTL-405	40,5	84	140	12	57,0	36,0	M16	1/4"	1/4"		32			5,50
VTL-555	55,5	115	125	17	54,7	36,8	M20	3/8"	3/8"		46			9,00
VTL-855	85,5	160	122	20	54,7	36,8	M20	12,7	3/8"	3/8"	3/8"			17,00
VTL-1105	110,5	200	122	22	54,7	36,3	M20	12,7	1/2"	1/2"	3/8"	3/8"		28,00

The table overleaf shows the performance data of our VTL range of vibrators, fixing either the piston or the body to the equipment. The end freely moving generates the oscillating force which can be increased by adding weights.



FIXED BODY - MOVING PISTON ONLY or + WEIGHT (S)

FIXED PISTON - MOVING BODY ONLY or + WEIGHT (S)

We reserve the right to modify or withdraw specifications or products without notice or obligation.

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