

Turbine Vibrator:

A low speed and large working moment are combined in these vibrators to produce a powerful vibration with a high amplitude.

The body is machined from an aluminium extrusion which is tempered and hard anodised. It is chemical resistant and suitable for use in the food and pharmaceutical industries.

The LP-vibrators (Low Pressure) works most economically between 30 and 60 PSI (~2 - 4 bar) while the HP-vibrators (High Pressure) shows the best results between 60 and 80 PSI (~4 - 5,5 bar). In this range the frequency of vibration can be varied by regulation of the air pressure, thus enabling the vibrator to be tuned to suit the application.

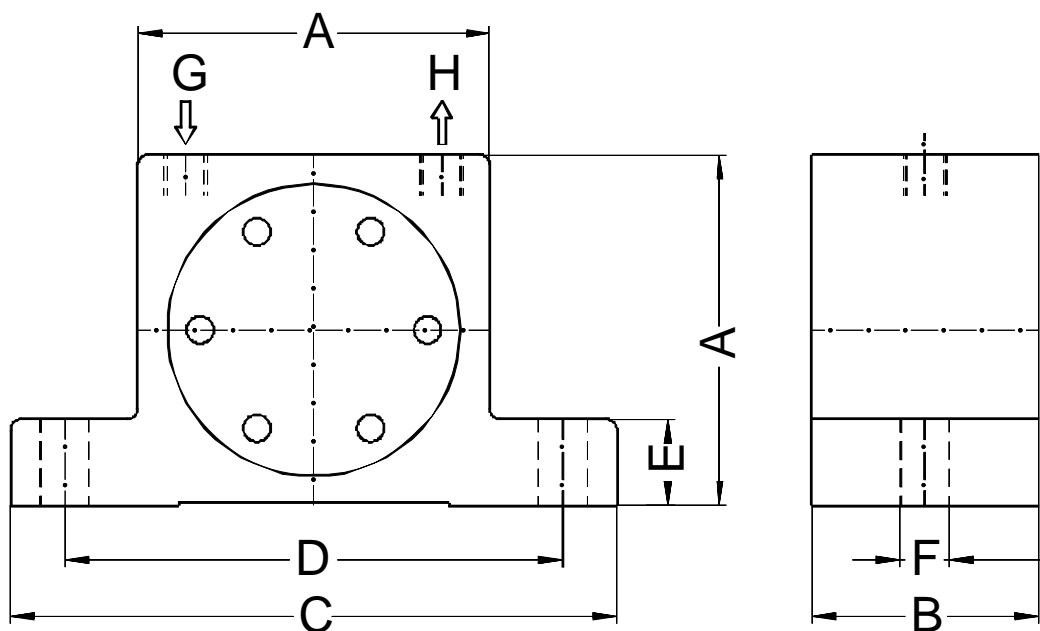


These pneumatic turbine vibrators have a low noise level. The noise measured in the proximity of the silencer may be reduced to half when an exhaust hose is used.

PERFORMANCE DATA									
model	FREQUENCY RPM			CENTRIFUGAL FORCE NEWTON			AIR CONSUMPTION l / min.		
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar
T-50/LP	17000	21500	23000	700	1240	1710	67	115	165
T-50/HP	11000	14500	16500	600	1020	1350	79	140	198
T-65/LP	9500	13000	15000	770	1380	1800	89	157	236
T-65/HP	8500	10500	12000	1300	2050	2600	108	193	290
T-80/LP	9000	11500	13000	1840	2960	3790	150	260	385
T-80/HP	6800	9000	10500	2000	3470	4740	-	260	385
T-100/HP	6500	9000	10000	2480	4800	6060	-	300	430

Data obtained with a Kistler 3-Axis Dynamometer on a heavy laboratory test block and displayed by a Kistler control monitor (COMO). Frequency and force will decrease on a less rigged mount.

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DIMENSIONS:


in mm									weight
model	A	B	C	D	E	F	G	H	kg
T-50/LP	50.0	46.0	86.0	68.0	12.0	7.0	G 1/8"	G 1/4"	0.385
T-50/HP	50.0	60.0	86.0	68.0	12.0	7.0	G 1/8"	G 1/4"	0.520
T-65/LP	65.0	50.0	113.0	90.0	16.0	9.0	G 1/4"	G 1/4"	0.735
T-65/HP	65.0	64.0	113.0	90.0	16.0	9.0	G 1/4"	G 1/4"	0.975
T-80/LP	80.0	56.0	128.0	104.0	16.0	11.0	G 1/4"	G 3/8"	1.210
T-80/HP	80.0	70.0	128.0	104.0	16.0	11.0	G 1/4"	G 3/8"	1.560
T-100/HP	100.0	67.0	160.0	130.0	20.0	13.0	G 3/8"	G 3/8"	2.270

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