Pneumatic Vibrator NTP

Copenhagen Vibrator Products

- **Linear Vibration**
- **Hard or soft impacts option**
- **Stepless adjustment**
- **Available in ATEX**
- **Available in Stainless steel**

NTP compressed air driven piston vibrator, creates impressive vibration force compared to its small size

The NTP vibrator creates a combination of vibration and impacts, that is much more powerful than traditional vibrators

The fast and easy adjustment of frequency and stroke, makes it suitable for most applications

The NTP vibrator is recommended for emptying hoppers, trays, pipes and silos for all industries

Technical Data

Type	Nominal Frequency [min^{-1}]			Centrifugal Force [N]			Working Moment [cmkg.]			Air Consumption [L/min.]		Noise Level [dB(A)]	
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	6 bar	2 bar	6 bar
NTP 25 B+C	5.848	7.000	8.784	269	438	830	0,144	0,163	0,196	33	108	68	82
NTP 25 B	2.645	3.159	3.602	190	341	487	0,488	0,613	0,686	23	92	64	73
NTP 32 B+C	2.959	4.080	5.040	289	607	926	0,602	0,665	0,665	50	198	71	86
NTP 32 B	1.824	2.221	2.614	197	369	543	1,080	1,365	1,449	37	143	64	77
NTP 48 B+C	2.618	3.456	4.320	782	1.305	2.039	2,081	1,992	1,992	96	336	78	90
NTP 48 B	1.328	1.603	1.963	456	872	1.403	4,718	6,188	6,641	67	295	65	80

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Description:

The NTP vibrator is a combination of the traditional NTS piston vibrator and the PKL impactor.
It creates powerful impacts with high frequency.
The NTP vibrator is available in the two versions:

Type B without the strike-plate, which creates soft impacts and reduced noise level.

Type B+C with the insert strike-plate for the piston, that creates hard impacts like a rubber-hammer

Applications:

The NTP vibrator is recommend for loosing adhesive and sticky material on hopper walls, pipes, silo outlets and containers.
NTP vibrators is also a very good pneumatic drive for vibration conveyors, trays, sieves and separators

Installation:

NTP vibrators is mounted with 4 threaded bolts to the application, and connected to the compressed air supply.

If the NTP vibrator is mounted in a horizontal position, then it is recommend to use a solenoid for the start & stop operation.

Adjustment:

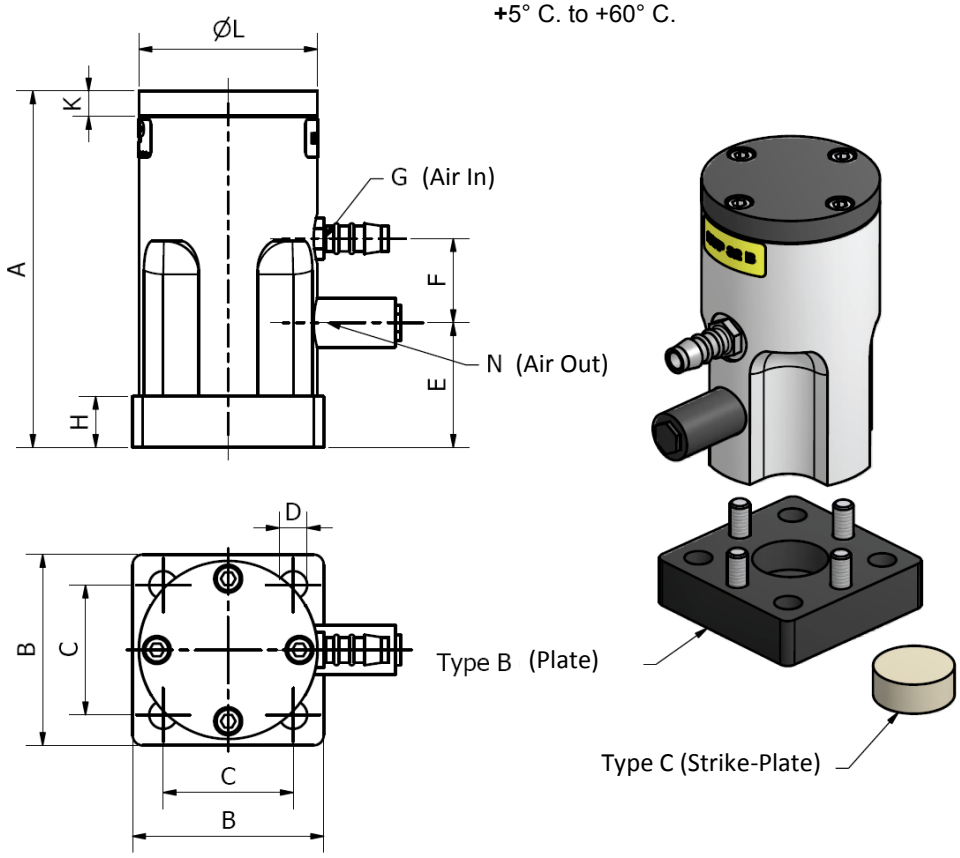
The frequency can be adjusted on pressure for the compressed air with a filter regulator.
The stroke (amplitude) can be adjusted with throttling the air from the outlet.

Permissible Operation Conditions

Medium:
Compressed air or nitrogen (filtered ≤ 5 µm), use lubricated air.

Operation Pressure:
2 to 6 bar

Ambient Temperature:
+5° C. to +60° C.



Dimensions

Type	A [mm]	B [mm]	C [mm]	Ø D [mm]	E [mm]	F [mm]	G	H [mm]	K [mm]	Ø L [mm]	N	Weight [kg]
NTP 25 B	90	60	46	6,5	36	14,5	G 1/8”	15	8	51	G 1/8”	0,61
NTP 32 B	140	75	51	11	48	32	G 1/4”	20	10	70	G 1/4”	1,47
NTP 48 B	194	100	78	13	60	51	G 3/8”	25	15	95	G 3/8”	3,95

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Accessories for Vibrators

Air treatment Units
Take full control over adjustment and compressed air quality with modular filter regulator and mist lubrication
Available in many sizes and combinations for all our pneumatic vibrators.

Solenoid Valve
The best solution for start & stop actuation of pneumatic vibrators
Available in many sizes and combinations for all our pneumatic vibrators

Springs
Stainless steel compression springs ensure the effective isolation of vibration in machinery and equipment so that only the desired components is vibrated.
Available in many sizes

Timer Control
For automated activation of vibrators, small and simple time control of vibrators.
Available electric 24V & 230V or pneumatic

Vibration Damper
With its low build-in height made in rubber, it easily integrated with existing machinery parts, thus providing an effective isolation of vibration.

Fittings & Tubing
All types and sizes of fittings, tubing, silencers and throttling valves can be supplied for complete solutions.

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