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## Netter Pneumatic Ball Vibrators Series NCB



- Rotary vibration
- Nominal frequency from 7.220 min<sup>-1</sup> to 42.340 min<sup>-1</sup>
- Centrifugal force from 222 N to 4.866 N
- Frequency continuously adjustable via air pressure
- Suitable for temperatures up to 200°C





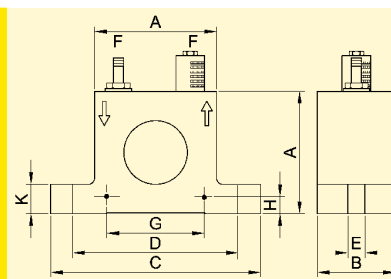
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Type	Working moment [cmkg]	Nominal frequency [min <sup>-1</sup> ]			Centrifugal force [N]			Air consumption [l/min]	Noise level* [dB(A)]
		2 bar	4 bar	6 bar	2 bar	4 bar	6 bar		
NCB 1	0,005	28.460	37.060	42.340	222	377	491	38 – 112	71 – 79
NCB 2	0,009	22.880	31.160	37.540	258	479	696	38 – 115	74 – 79
NCB 3	0,029	17.100	21.600	24.360	465	742	947	81 – 219	74 – 82
NCB 5	0,046	15.220	19.180	22.480	587	933	1.277	77 – 217	78 – 85
NCB 10	0,131	11.320	14.380	16.380	921	1.486	1.928	226 – 463	82 – 89
NCB 20	0,211	10.560	13.780	15.420	1.298	2.198	2.753	222 – 468	78 – 86
NCB 50	0,522	7.220	9.940	11.220	1.492	2.828	3.603	312 – 733	80 – 86
NCB 70	0,808	7.220	8.820	10.480	2.310	3.446	4.866	310 – 728	75 – 84

\*Specific silencer to reduce the noise level available.

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F	G* [mm]	H* [mm]	K [mm]	Weight [kg]
NCB 1	50	18	86	68	7	G 1/8	40	7	12	0,12
NCB 2	50	18	86	68	7	G 1/8	40	7	12	0,13
NCB 3	65	26	113	90	9	G 1/4	50	9	16	0,29
NCB 5	65	26	113	90	9	G 1/4	50	9	16	0,32
NCB 10	80	37	128	104	9	G 1/4	60	10	16	0,60
NCB 20	80	37	128	104	9	G 1/4	60	10	16	0,70
NCB 50	100	50	160	130	11	G 3/8	80	12	20	1,30
NCB 70	100	50	160	130	11	G 3/8	80	12	20	1,50

\* Dimensions for horizontal mounting, bore ØE



Sorting and aligning



Emptying without bridging

### Applications

Series NCB pneumatic ball vibrators can be used wherever bulk materials need to be moved.

They serve in the emptying of bunkers, for preventing bridging, rat-holing and adhesion. When used to drive chutes, sieves and vibrating tables, they ensure that the material flow is maintained.

The special feature is the simple construction.

### Construction and Working Principle

The rotary vibration is created by the high centrifugal force produced by a circulating steel ball, which runs on hardened, polished steel races.

The frequency, and hence the centrifugal force, can be continuously regulated via the operating pressure.

Series NCB ball vibrators can be operated using lubrication-free compressed air.

A multi-directional valve is required for operation (not included in the scope of supply).

### Permissible Operating Conditions

#### Drive medium:

Compressed air or nitrogen (filter ≤ 5 µm), preferably with oil mist

#### Operating pressure:

2 bar to 6 bar

#### Ambient temperature:

–20°C to +120°C

HT version up to +200°C

NetterVibration offers the accessories required for the mounting, installation, control and monitoring of vibrators and impactors.

### Netter provides solutions.

Consult our experienced application technicians.

