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Netter Pneumatic Ball Vibrators Series NCB



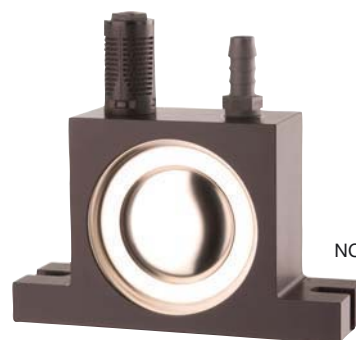
- Rotary vibration
- Nominal frequency from 7.220 min⁻¹ to 42.340 min⁻¹
- Centrifugal force from 220 N to 4.866 N
- Frequency continuously adjustable via air pressure
- Suitable for temperatures up to 200°C



NCB 1



NCB 10



NCB 50

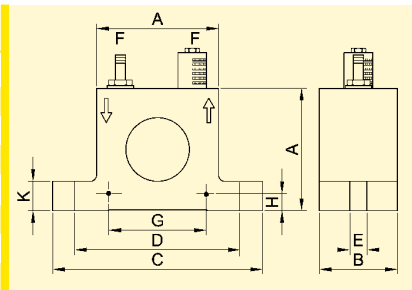


Netter Pneumatic Ball Vibrators Series NCB

| Type | Working moment [cmkg] | Nominal frequency [min ⁻¹] | | | Centrifugal force [N] | | | Air consumption [l/min] 2 bar - 6 bar | Noise level* [dB(A)] 2 bar - 6 bar |
|--------|-----------------------|--|--------|--------|-----------------------|-------|-------|--|---------------------------------------|
| | | 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 and control of vibrators and interval impactors.

Netter provides solutions.

Consult our experienced application technicians.

Netter GmbH

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