



20

## Pneumatic Roller Vibrators Series NCR



- Rotary vibration
- Suitable for aggressive environmental conditions
- High propulsive power
- Nominal frequency from 10.140 min<sup>-1</sup> to 34.304 min<sup>-1</sup>
- Centrifugal force from 878 N to 9.100 N
- Frequency continuously adjustable via air pressure
- Suitable for temperatures up to 200 °C





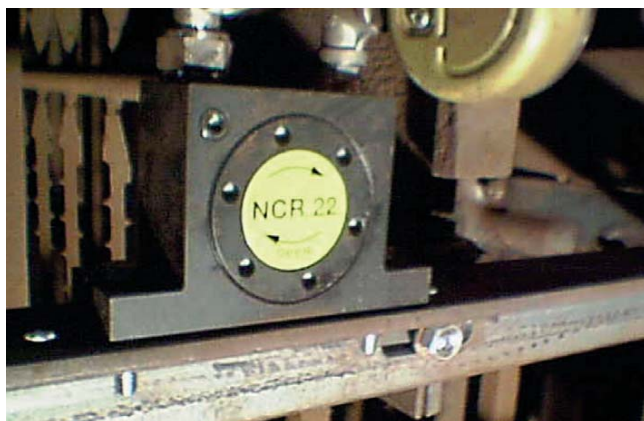
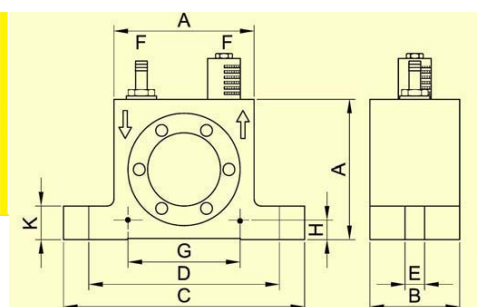
## Pneumatic Roller Vibrators Series NCR

| Type    | Unbalance<br>[cmkg] | Nominal frequency<br>[min <sup>-1</sup> ] |        |        | Centrifugal force<br>[N] |       |       | Air consumption<br>[l/min] |   |       | Noise level<br>[dB(A)] |   |       |
|---------|---------------------|-------------------------------------------|--------|--------|--------------------------|-------|-------|----------------------------|---|-------|------------------------|---|-------|
|         |                     | 2 bar                                     | 4 bar  | 6 bar  | 2 bar                    | 4 bar | 6 bar | 2 bar                      | - | 6 bar | 2 bar                  | - | 6 bar |
| NCR 3   | 0,031               | 22.699                                    | 30.480 | 34.304 | 878                      | 1.579 | 2.000 | 55                         | - | 146   | 74                     | - | 85    |
| NCR 10  | 0,102               | 20.180                                    | 24.520 | 27.760 | 2.278                    | 3.363 | 4.311 | 121                        | - | 301   | 74                     | - | 86    |
| NCR 22  | 0,224               | 16.400                                    | 20.040 | 21.780 | 3.313                    | 4.933 | 5.828 | 162                        | - | 424   | 77                     | - | 87    |
| NCR 57  | 0,572               | 12.480                                    | 14.370 | 15.465 | 4.902                    | 6.489 | 7.520 | 246                        | - | 574   | 74                     | - | 91    |
| NCR 120 | 1,200               | 10.140                                    | 11.680 | 11.760 | 6.765                    | 8.976 | 9.100 | 315                        | - | 768   | 86                     | - | 97    |

The technical data are comparative values and can vary depending on application. Additional data available upon request.

| Type    | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F     | G*<br>[mm] | H*<br>[mm] | K<br>[mm] | Weight<br>[kg] |
|---------|-----------|-----------|-----------|-----------|-----------|-------|------------|------------|-----------|----------------|
| NCR 3   | 51        | 28,5      | 86        | 68        | 7         | G 1/8 | 40         | 7          | 12        | 0,260          |
| NCR 10  | 67        | 36        | 113       | 90        | 9         | G 1/4 | 50         | 9          | 16        | 0,579          |
| NCR 22  | 80        | 42,5      | 128       | 104       | 9         | G 1/4 | 60         | 10         | 16        | 0,986          |
| NCR 57  | 100       | 51        | 160       | 130       | 13        | G 3/8 | 80         | 12         | 20        | 1,875          |
| NCR 120 | 120       | 75        | 194       | 152       | 17        | G 3/8 | 100        | 13         | 24        | 4,362          |

\*dimensions for mounting horizontal, bore ØE



Dusting off filter wires



Emptying silo trailers

### Applications

Pneumatic roller vibrators series NCR are particularly suitable for the elimination or reduction of friction.

They can be used for emptying bunkers and preventing adhesion to pipes and plates. Special features of the NCR vibrators are very high frequencies, high centrifugal forces and insusceptible resonance behaviour.

### Construction and working principle

The rotary vibration is created by the high centrifugal force of a circulating steel roller, which runs on a steel ring at very high frequency.

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

Series NCR roller vibrators can be operated using lubrication-free compressed air.

A multi-directional valve is required for operation (not supplied).

### Permissible Operating Conditions

#### Drive medium:

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

#### Operating pressure:

2 bar to 6 bar

#### Ambient temperature:

-20 °C to 120 °C

HT version for temperatures 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.**

### Andantex Srl

Via A. Ponchielli, 6  
20063 - Cernusco Sul Naviglio (MI)  
Tel.: 02-9217091  
Fax: 02-92100455  
[sales@andantex.it](mailto:sales@andantex.it)  
[www.andantex.it](http://www.andantex.it)

### Netter GmbH

Fritz-Lenges-Str. 3  
55252 Mainz-Kastel  
[www.NetterVibration.com](http://www.NetterVibration.com)  
[info@NetterVibration.com](mailto:info@NetterVibration.com)