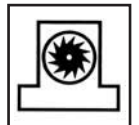




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## Pneumatic Turbine Vibrators Series NCT



- Rotary vibration
- Resistant to aggressive environmental conditions
- Unrestricted, lubrication-free operation
- Nominal frequency from  $4.900 \text{ min}^{-1}$  to  $45.460 \text{ min}^{-1}$
- Centrifugal force from 288 N to 8.659 N
- Frequency continuously adjustable by means of air pressure
- Reduced noise level
- Maintenance-free due to continuously lubricated rolling bearing
- Available in ATEX conform or in stainless steel versions



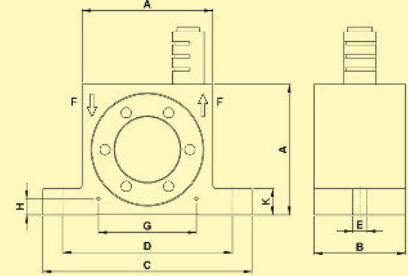


## Pneumatic Turbine Vibrators Series NCT

| Type     | Unbalance [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 | 2 bar                   | 6 bar | 2 bar               | 6 bar |   |    |
| NCT 1    | 0,006            | 29.100                                 | 38.820 | 45.460 | 288                   | 513   | 703   | 19                      | –     | 45                  | 68    | – | 83 |
| NCT 2    | 0,012            | 21.360                                 | 29.520 | 34.000 | 311                   | 594   | 787   | 20                      | –     | 48                  | 66    | – | 81 |
| NCT 3    | 0,016            | 26.940                                 | 34.900 | 39.700 | 637                   | 1.069 | 1.383 | 28                      | –     | 75                  | 63    | – | 77 |
| NCT 4    | 0,023            | 21.740                                 | 26.920 | 30.380 | 597                   | 915   | 1.165 | 31                      | –     | 73                  | 62    | – | 76 |
| NCT 4i   | 0,046            | 14.020                                 | 18.560 | 21.000 | 496                   | 869   | 1.112 | 31                      | –     | 75                  | 61    | – | 73 |
| NCT 5    | 0,049            | 22.740                                 | 27.840 | 30.940 | 1.389                 | 2.082 | 2.572 | 93                      | –     | 284                 | 74    | – | 90 |
| NCT 10   | 0,096            | 16.940                                 | 20.680 | 22.980 | 1.511                 | 2.251 | 2.780 | 92                      | –     | 287                 | 66    | – | 78 |
| NCT 10i  | 0,192            | 12.200                                 | 14.680 | 16.420 | 1.567                 | 2.269 | 2.839 | 93                      | –     | 286                 | 63    | – | 77 |
| NCT 15   | 0,160            | 15.740                                 | 20.060 | 22.700 | 2.174                 | 3.530 | 4.521 | 215                     | –     | 461                 | 72    | – | 84 |
| NCT 29   | 0,282            | 11.920                                 | 14.760 | 16.740 | 2.197                 | 3.369 | 4.334 | 216                     | –     | 461                 | 66    | – | 78 |
| NCT 29i  | 0,564            | 7.360                                  | 10.240 | 11.780 | 1.676                 | 3.243 | 4.291 | 213                     | –     | 463                 | 63    | – | 77 |
| NCT 55   | 0,545            | 11.000                                 | 13.980 | 15.760 | 3.618                 | 5.845 | 7.426 | 386                     | –     | 918                 | 77    | – | 85 |
| NCT 108  | 1,081            | 8.280                                  | 10.420 | 11.720 | 4.067                 | 6.441 | 8.152 | 379                     | –     | 911                 | 73    | – | 84 |
| NCT 108i | 2,161            | 4.900                                  | 6.860  | 8.000  | 2.860                 | 5.590 | 7.591 | 392                     | –     | 927                 | 66    | – | 77 |
| NCT 126  | 1,262            | 6.060                                  | 8.280  | 9.400  | 2.591                 | 4.760 | 6.124 | 653                     | –     | 1.707               | 71    | – | 83 |
| NCT 250  | 2,502            | 5.500                                  | 7.020  | 7.800  | 4.152                 | 6.761 | 8.348 | 655                     | –     | 1.710               | 71    | – | 82 |
| NCT 250i | 5,000            | –                                      | 5.100  | 5.620  | –                     | 7.131 | 8.659 | 1.222*                  | –     | 1.732               | 70    | – | 74 |

The technical data are relative values and can vary depending on the application. Additional data available upon request. \*at 4 bar

| Type     | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F     | G* [mm] | H* [mm] | K [mm] | Weight [kg] |
|----------|--------|--------|--------|--------|--------|-------|---------|---------|--------|-------------|
| NCT 1    | 40     | 27     | 70     | 56     | 6,5    | G 1/8 | 30      | 5,5     | 10     | 0,165       |
| NCT 2    | 40     | 27     | 70     | 56     | 6,5    | G 1/8 | 30      | 5,5     | 10     | 0,162       |
| NCT 3    | 50     | 32     | 86     | 68     | 7      | G 1/8 | 40      | 7       | 12     | 0,230       |
| NCT 4    | 50     | 32     | 86     | 68     | 7      | G 1/8 | 40      | 7       | 12     | 0,240       |
| NCT 4i   | 50     | 32     | 86     | 68     | 7      | G 1/8 | 40      | 7       | 12     | 0,250       |
| NCT 5    | 65     | 43     | 113    | 90     | 9      | G 1/4 | 50      | 9       | 16     | 0,550       |
| NCT 10   | 65     | 43     | 113    | 90     | 9      | G 1/4 | 50      | 9       | 16     | 0,570       |
| NCT 10i  | 65     | 43     | 113    | 90     | 9      | G 1/4 | 50      | 9       | 16     | 0,610       |
| NCT 15   | 80     | 56     | 128    | 104    | 9      | G 1/4 | 60      | 10      | 16     | 1,045       |
| NCT 29   | 80     | 56     | 128    | 104    | 9      | G 1/4 | 60      | 10      | 16     | 1,090       |
| NCT 29i  | 80     | 56     | 128    | 104    | 9      | G 1/4 | 60      | 10      | 16     | 1,180       |
| NCT 55   | 100    | 73     | 160    | 130    | 13     | G 3/8 | 80      | 12      | 20     | 2,125       |
| NCT 108  | 100    | 73     | 160    | 130    | 13     | G 3/8 | 80      | 12      | 20     | 2,250       |
| NCT 108i | 100    | 73     | 160    | 130    | 13     | G 3/8 | 80      | 12      | 20     | 2,500       |
| NCT 126  | 120    | 86     | 194    | 152    | 17     | G 3/8 | 100     | 13      | 25     | 3,585       |
| NCT 250  | 120    | 86     | 194    | 152    | 17     | G 3/8 | 100     | 13      | 25     | 3,820       |
| NCT 250i | 120    | 86     | 194    | 152    | 17     | G 3/8 | 100     | 13      | 25     | 4,290       |



\* dimensions for mounting horizontal, bore ØE

Sifting of fine grained products

### Applications

Pneumatic turbine vibrators series NCT are particularly suitable for moving bulk materials. They can be used for emptying bunkers, driving chutes, sieves and vibrating tables and for the mechanical stimulation of processes.

Special features of the NCT vibrators are high frequency at low noise level and low air consumption.

### Design and functioning principle

The rotary vibration is produced by an eccentrically mounted turbine with integrated unbalance masses. The frequency and therefore the centrifugal force can be continuously regulated via the operating pressure.

A directional control valve is necessary for operation (not supplied).

ATEX conform series NCT turbine vibrators and units with stainless steel housings are available.

### Permissible operating conditions

#### Drive medium:

Compressed air or nitrogen (filter ≤ 5µm), unrestricted, lubrication-free operation

#### Operating pressure:

2 bar to 6 bar

#### Ambient temperature:

-20 °C to 120 °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.

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