NetterVibration

23

Netter Pneumatic Turbine Vibrators
Series NCT

- Rotary vibration
- Resistant to aggressive environmental conditions
- Unrestricted, lubrication-free operation
- Nominal frequency from 4.900 min^{-1} to 45.460 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

Serving industry with vibration

NetterVibration

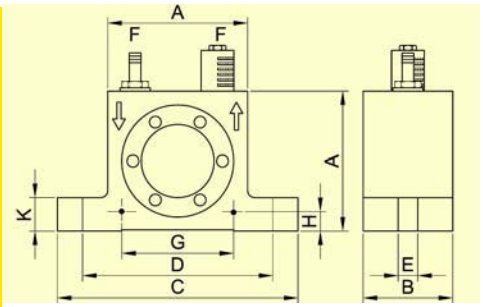
Netter Pneumatic Turbine Vibrators
Series NCT

Type	Working moment [cmkg]	Nominal frequency [min⁻¹] 2 bar	4 bar	6 bar	Centrifugal force [N] 2 bar	4 bar	6 bar	Air consumption [l/min] 2 bar – 6 bar	Noise level [dB(A)] 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 ∅E



Sifting of fine grained products

Applications
Series NCT pneumatic turbine vibrators 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.

Netter GmbH

Germany
Fritz-Ullmann-Str. 9
55252 Mainz-Kastel
Tel. +49 6134 2901-0

Poland
Al. W. Korfantego 195/17
40-153 Katowice
Tel. +48 32 2050947

Switzerland
Erlenweg 4
4310 Rheinfelden
Tel. +41 61 8316200

Spain
Errota Kalea 8
20150 Villabona-Guipúzcoa
Tel. +34 943 694 994

*www.**Netter**Vibration.com*
*info@**Netter**Vibration.com*