



## Pneumatic Turbine Vibrators Series NCT

- Rotary vibration
- Unrestricted, lubrication-free operation
- Nominal frequency from 4,900 min<sup>-1</sup> to 45,460 min<sup>-1</sup>
- 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





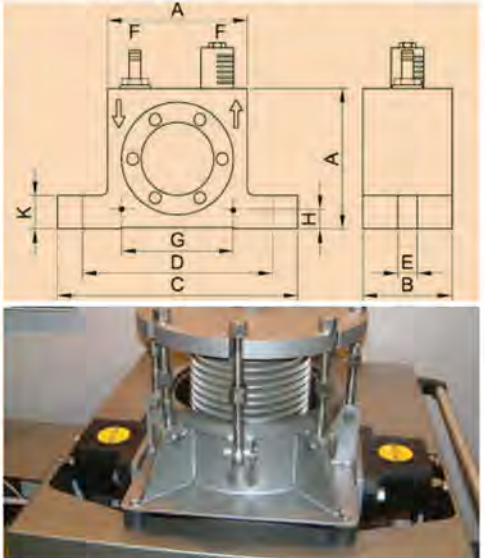
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Type	Working moment [mm kg]	Nominal frequency [min <sup>-1</sup> ]			Centrifugal force [N]			Air consumption [l/min]		Noise level [dB(A)]	
		200 kPa	400 kPa	600 kPa	200 kPa	400 kPa	600 kPa	200 kPa	600 kPa	200 kPa	600 kPa
NCT 1	0.06	29,100	38,820	45,460	288	513	703	19	45	68	83
NCT 2	0.12	21,360	29,520	34,000	311	594	787	20	48	66	81
NCT 3	0.16	26,940	34,900	39,700	637	1,069	1,383	28	75	63	77
NCT 4	0.23	21,740	26,920	30,380	597	915	1,165	31	73	62	76
NCT 4i	0.46	14,020	18,560	21,000	496	869	1,112	31	75	61	73
NCT 5	0.49	22,740	27,840	30,940	1,389	2,082	2,572	93	284	74	90
NCT 10	0.96	16,940	20,680	22,980	1,511	2,251	2,780	92	287	66	78
NCT 10i	1.92	12,200	14,680	16,420	1,567	2,269	2,839	93	286	63	77
NCT 15	1.60	15,740	20,060	22,700	2,174	3,530	4,521	215	461	72	84
NCT 29	2.82	11,920	14,760	16,740	2,197	3,369	4,334	216	461	66	78
NCT 29i	5.64	7,360	10,240	11,780	1,676	3,243	4,291	213	463	63	77
NCT 55	5.45	11,000	13,980	15,760	3,618	5,845	7,426	386	918	77	85
NCT 108	10.81	8,280	10,420	11,720	4,067	6,441	8,152	379	911	73	84
NCT 108i	21.61	4,900	6,860	8,000	2,860	5,590	7,591	392	927	66	77
NCT 126	12.62	6,060	8,280	9,400	2,591	4,760	6,124	653	1,707	71	83
NCT 250	25.02	5,500	7,020	7,800	4,152	6,761	8,348	655	1,710	71	82
NCT 250i	50.00	-	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 400 kPa

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	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

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), preferably with oil mist

#### Operating pressure:

200 kPa to 600 kPa

#### Ambient temperature:

-20°C to 120°C

VSS offers the accessories required for mounting, installation and control of vibrators and interval impactors.

VSS provides solutions.

Consult our experienced application technicians.

