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Pneumatic Roller Vibrators Series NCR



- Rotary vibration
- Suitable for aggressive environmental conditions
- High propulsive power
- Nominal frequency from 10.140 min^{-1} to 34.304 min^{-1}
- Centrifugal force from 878 N to 9.100 N
- Frequency continuously adjustable via air pressure
- Suitable for temperatures up to $200 \text{ }^{\circ}\text{C}$





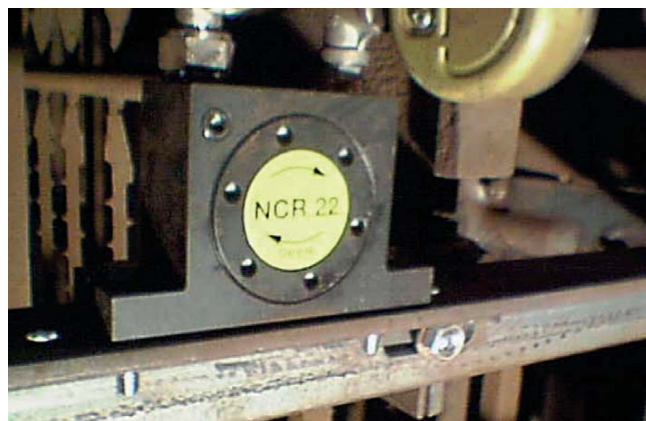
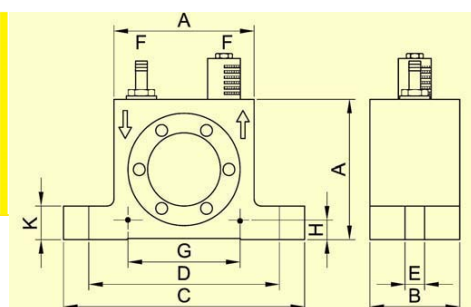
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Type	Unbalance [cmkg]	Nominal frequency [min ⁻¹]			Centrifugal force [N]			Air consumption [l/min]			Noise level [dB(A)]		
		2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	-	6 bar	2 bar	-	6 bar
NCR 3	0,031	22.699	30.480	34.304	878	1.579	2.000	55	-	146	74	-	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 [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G* [mm]	H* [mm]	K [mm]	Weight [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.

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