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## Netter Pneumatic Roller Vibrators



### Series NCR

- Rotary vibration
- Suitable for aggressive environmental conditions
- Nominal frequency from 10,140 min<sup>-1</sup> to 34,300 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 (HT Models)





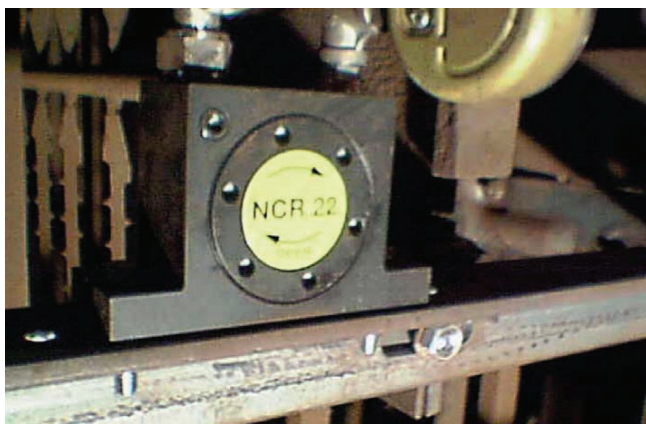
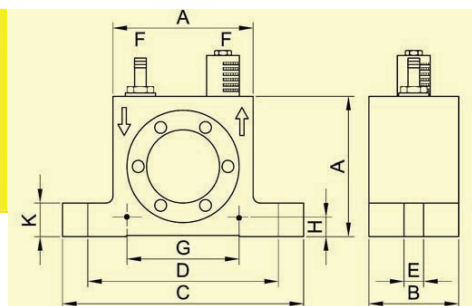
### Netter Pneumatic Roller Vibrators Series NCR

Type	Working moment [mmkg]	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
NCR 3	0.31	22,699	30,480	34,304	878	1,579	2,000	55	146	74	85
NCR 10	1.02	20,180	24,520	27,760	2,278	3,363	4,311	121	301	74	86
NCR 22	2.24	16,400	20,040	21,780	3,313	4,933	5,828	162	424	77	87
NCR 57	5.72	12,480	14,370	15,465	4,902	6,489	7,520	246	574	74	91
NCR 120	12.00	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	G* [mm]	H* [mm]	K [mm]	Weight [kg]
NCR 3	51	28,5	86	68	7	G 1/8	40	7	12	0.23 5
NCR 10	67	36	113	90	9	G 1/4	50	9	16	0.53 5
NCR 22	80	42,5	128	104	9	G 1/4	60	10	16	0.940
NCR 57	100	51	160	130	13	G 3/8	80	12	20	1.800
NCR 120	120	75	194	152	17	G 3/8	100	13	24	4.250

\*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 and high centrifugal forces.

#### 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:**

200 kPa to 600 kPa

**Ambient temperature:**

-20°C to 120°C

HT version for temperatures up to 200°C

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

**VSS provides solutions. Consult our experienced application technicians.**

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