

Hydraulic Vibrator NHG



NHG 3000L

- High Pressure Vibrator (200 bar)
- Rotary Vibration
- Frequency 3.000 - 7.000 Rpm
- Centrifugal Force 4.070 to 61.206 N
- Adjustable Frequency

Powerful high pressure hydraulic driven rotary vibrator

Often used on trucks and construction vehicles, for emptying and reducing friction on adhesive materials

Frequency is continuously variable via volume flow rate

Technical Specifications

Vibrator	Working Moment [cmkg.]	Normal Operation ED 100%			Short Operation ED ≤ 60%			Weight [Kg.]
		Frequency [O/min.]	Centrifugal Force [N]	Oil Flow [l/min.]	Frequency [O/min.]	Centrifugal Force [N]	Oil Flow [l/min.]	
NHG 500 L	2,06	6.000	4.070	12	7.000	5.550	14	6,4
NHG 600 R L	0 to 3,00	6.000	5.922	12	7.000	5.723*	14	8,2
NHG 900 L	6,64	4.000	5.870	8	5.000	9.100	10	7,7
NHG 3000 L	29,18	3.500	19.600	20	4.000	25.600	22	29,0
NHG 6000 L	124,00	3.000	61.206	48	-	-	-	78

*) The working moment must be reset to 2,19 cmKg..



NHG 500 L - NHG 900 L



NHG 6000L

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Applications

NHG hydraulic vibrators are particularly suitable for emptying containers and hoppers for bulk material, that is behaving adhesive. Preventing bridge-building and clogging of materials in silos and tubes, compaction and sieving.

These powerful hydraulic vibrators is specially suitable for emptying and unloading transport and construction vehicles like trucks and excavators. The NHG vibrators is easily driven by the vehicles local hydraulic power supply.

Design & Function

The rotary vibration is created by an unbalance, and the rotational speed results in very powerful centrifugal forces.

The rotary speed (frequency) and centrifugal force, can be adjusted via the oil volume flow rate.

NHG 500 L, NHG 900 L, NHG 3000 L and NHG 6000 L has fixed working moment

The working moment of the NHG 600 RL can be adjusted in steps from the outside.

The NHG L vibrators is also available without an overflow oil line connection.

The pressure in the return line must not exceed 2 bar pressure

Permissible operation conditions

Drive medium:

Clean and filtered hydraulic oil DIN 51524/25 or engine oil DIN 51511

Operation Pressure:

Pressure side 200 bar max.

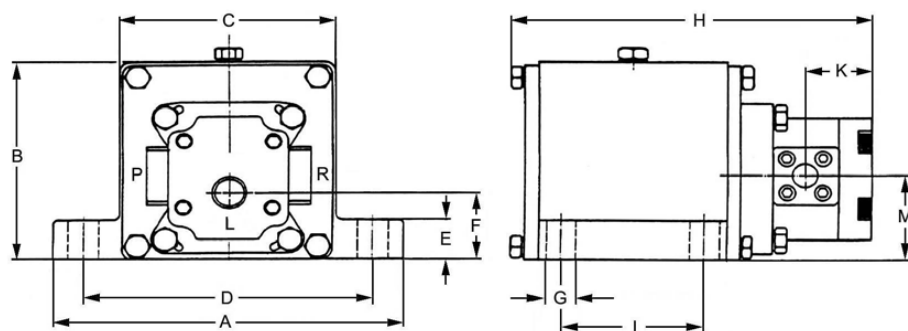
Overflow oil line back pressure 2 bar max.

Ambient temperature:

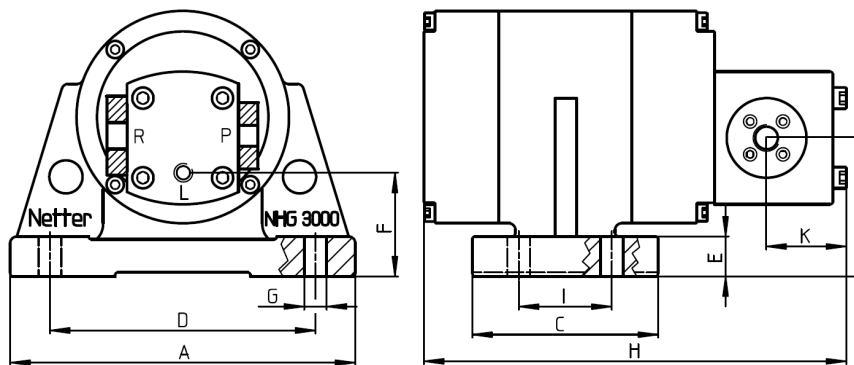
-20°C to 80°C NHG 500 L to NHG 900 L

-20°C to 60°C NHG 3000 L

-20°C to 40°C NHG 6000 L



NHG 500 L, NHG 600 R L and NHG 900



NHG 3000 L & NHG 6000 L



Dimensions

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Ø G [mm]	H [mm]	I [mm]	K [mm]	Ø L [mm]	M [mm]	Ø P	Ø R
NHG 500 L NHG 600 R L NHG 900 L	194	120	120	160	24	36	17	212	80	37	G 1/4	47	G 1/4	G 3/8
NHG 3000 L	260	195	140	200	30	80	17	310	70	50	M12 x1,5	96	G 3/8	G 3/8
NHG 6000 L	345	260	213	300	58	128,5	22	400	2x60	59	M12 x1,5	113	G 3/8	G 3/8