



Providing The Best Line of Rail Car Vibrators on the Market

High Frequency Pneumatic Vibrator

Application:

This is the number one vibrator where high frequency vibration is required. In railcar applications, this vibrator is used with a universal lug and wedge bracket. This assembly allows for quick release of the vibrator in order to move to the next rail car.

Other applications for this vibrator use a weld-on universal lug. This assembly is commonly used in the concrete formation environments (i.e. box or pipe forms).



Features:

- No bearings, seals, or O-rings
- Shaft, roller and endplates hardened and ground to assure high performance and reduced wear
- Frequency ranges between 2000 and 13000 vpm depending on air pressure applied
- Vibrator produces a powerful output force ranging from 1600 lbs to 8100 lbs

Description:

This vibrator only has three internal moving parts: 1 vane and 2 rollers. With proper lubrication this vibrator has extended life running at 100% output and requires minimal maintenance.

VIBRATOR PERFORMANCE DATA

MODEL	UNBALANCE	FREQUENCY			WORKING FORCE OUTPUT*			NO LOAD**	AIR CONSUMPTION		
		30 PSI	60 PSI	90 PSI	30 PSI	60 PSI	90 PSI	90 PSI	30 PSI	60 PSI	90 PSI
	lbs-inch	vpm	vpm	vpm	lbs	lbs	lbs	lbs	vpm	vpm	vpm
CR-55	1.6	5000	7000	9000	1700	3500	5700	9000	30	49	58
CR-65	3.3	3500	5000	7000	1800	3700	7100	13000	32	44	52
CR-78	6.0	2000	3000	5500	1600	4200	8100	10000	35	46	51

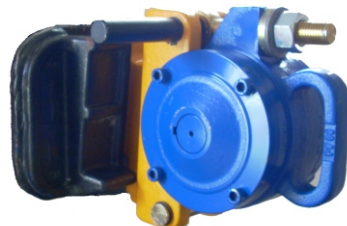
* The force output shown is the **real working force** of a vibrator applied to a form or railcar.

** The maximum theoretical force at **no load** is nearly twice the working force and it is used for comparison purposes only.

EXAMPLE: the CR-55 has a **max working force** of 5700 lbs at 90 PSI but a **no load force** of 9000 lbs.

Vibrator Accessories: Brackets

Railcar Wedge Bracket with Exclusive Custom Handle for easier lifting



67 lbs (CR-65 with bracket)



LCL (Large Cradle Lug) Bracket with I-bolt: commonly used in concrete applications



"The Rhino" - Vibrator Lifter

"The Rhino" Vibrator Lifter removes the danger of inserting and removing heavy railcar vibrators and brackets into the cradle of hopper cars.



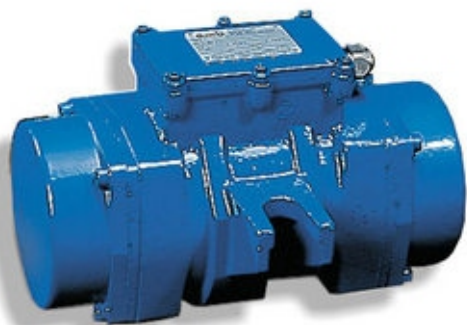
Patent Pending

The Rhino is powered by a pneumatic motor which operates a hydraulic system designed to safely and easily maneuver the vibrator and bracket assembly into and out of the railcar cradle...all without any manual lifting by the operator. The vibrator operates off of the same pneumatic line, allowing the user to simply switch air power from the **The Rhino's** hydraulics to the vibrator. Custom designed brackets allow the lifter to be used with roller vibrators as well as piston vibrators.

With most vibrator and wedge brackets ranging in weight from 65 to 165 pounds, **The Rhino** is a safety solution that is long overdue!

WORKS WITH OUR RAIL CAR VIBRATORS

Quick Mount Electric Vibrator



VIBRATOR PERFORMANCE DATA

MODEL NUMBER		AFC 36/1600	AFC 36/3000
Force Output	lbs	1870	3168
Frame Size		AF 10C	AF 15C
Speed	rpm	3600	3600
Weight *	lbs	44	63
Input Power	H.P.	1.15	1.5
AMP Draw 230 V	amps	2.2	3.0
AMP Draw 460 V	amps	1.1	1.5
AMP Draw 48 V	amps	12	16
Bearing Type		6307	NJ 306
Bearing Life **	hours	1450	3100

Features:

- Alignment is automatic with the vibrator claw inserted into the lower end of the cradle bracket.
- Power supply standards of 230 or 460 volts.
- Can also be supplied with 48 volts of power; this is ideal for use in wet environments where accidental contact with high voltage could be hazardous to the operator.
- When used with a cradle lug bracket, the vibrator assembly system has only one nut to tighten. This requires only one person to change the vibrator.
- Time savings in relocating vibrators can be as much as 70% compared to other vibrators resulting in labor cost savings as well as much lower overall downtime.

* Weight is for the vibrator only; it does not include weight of the bracket.

** Bearing Life is figured at maximum force.



Arnold Company
3 Harmony Lane
Trenton, Illinois 62293
Office: (618) 224-7505
Toll-Free: (800) 245-7505
Fax: (618) 224-7005

