

CONCRETE VIBRATOR



DUAL ROLLER VIBRATORS ARE IDEAL FOR APPLICATIONS REQUIRING HIGH FREQUENCY AND HIGH FORCE.

LIGHT BODY WEIGHT ALLOWS EASE OF USE AND PORTABILITY.

CR MODELS ARE FIT FOR LUG BRACKET MOUNT

DR MODELS ARE BOLT MOUNTED

Why Dual Roller Vibrators are ideal for concrete applications!

The larger percentage of entrapped air occurs around the fines rather than the large particles. CR work at a frequency ranging from 7000 and 10000 rpm. This speed is ideal for agitating the fines assuring a more complete film of cementitious paste over the larger aggregates.



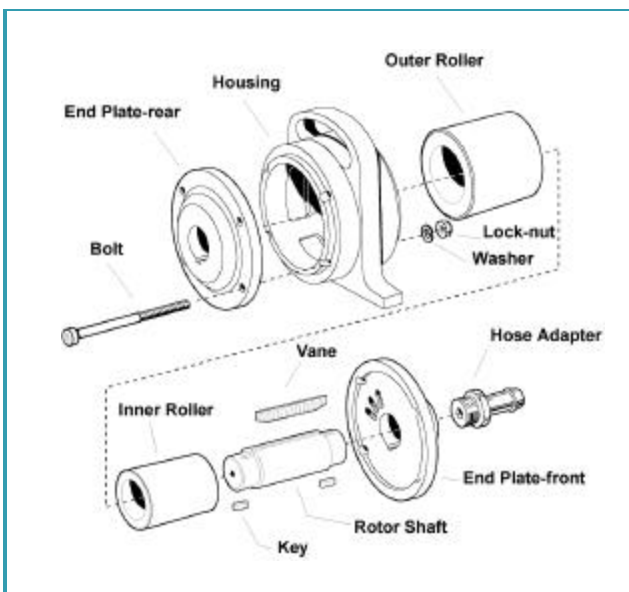
Dual Rollers leave larger aggregates relatively undisturbed lessening the chance of segregation

They move only the fines of the mix.

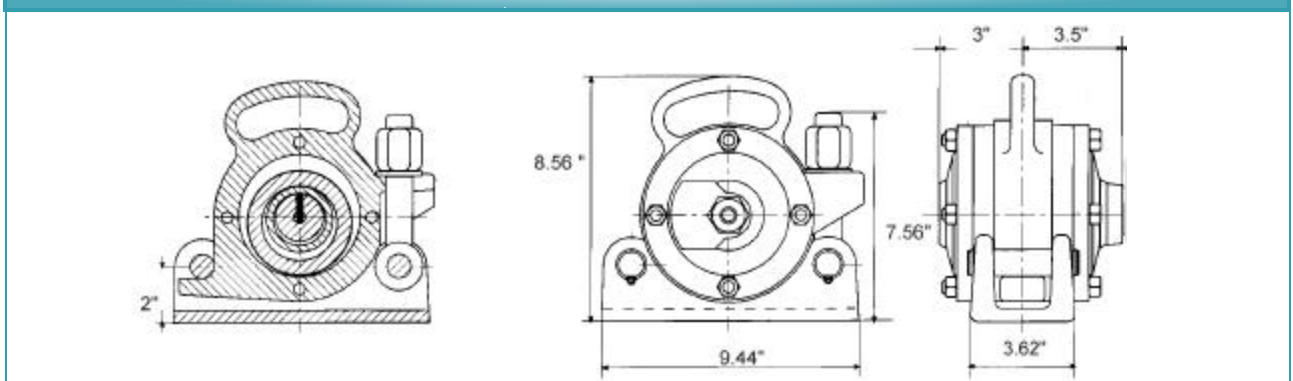
They excel at removing entrapped air

Concrete density is increased

Surface finish is considerably improved



DIMENSIONS CR5500 - CR6500



PERFORMANCE DATA

MODEL CR & DR			5500	6500	7800
60 PSI	SPEED	<i>vpm</i>	7000	5000	3000
	FORCE OUTPUT	<i>lbs</i>	2500	3000	3500
	AIR CONSUMPTION	<i>cfm</i>	49	44	46
90 PSI	SPEED	<i>vpm</i>	9000	7500	5000
	FORCE OUTPUT	<i>lbs</i>	5500	6500	7500
	AIR CONSUMPTION	<i>cfm</i>	58	52	51
UNBALANCE		<i>lbs-inch</i>	1.6	3.3	5.2
WEIGHT		<i>lbs</i>	33	38	42
NOISE		<i>dBA</i>	97	96	88



PRECAST AND PRESTRESSED INDUSTRY

WHY EXTERNAL VIBRATION IS A MUCH MORE EFFICIENT WAY TO ACHIEVE QUALITY WORK

1. LESS HUMAN ERROR

Human error is minimized in placement and consolidation. The amount of concrete which can be consolidated with most internal vibrators is limited to: the age and performance of the equipment, the experience and diligence of the operator and the response of the concrete - particularly in the critical area between the reinforcing and the strand.

This is not so with external vibration; there is little limitation on frequency and force, and almost no dependence on operator skill. Only one man is needed for opening and closing one valve.

2. SMALLER CREWS

Reducing the use of rakes and shovels can significantly reduce the size of the crew.

3. SHORTER POURING TIME

Pouring time per form is reduced. Consolidation is faster and the speed of casting is limited only by your plant's ability to deliver concrete in the form. This means rapid turnover of your forms and optimum utilization of men and equipment.

4. IMPROVED CONCRETE QUALITY

Multi-directional total wave energy transmitted through the form wall ensures:

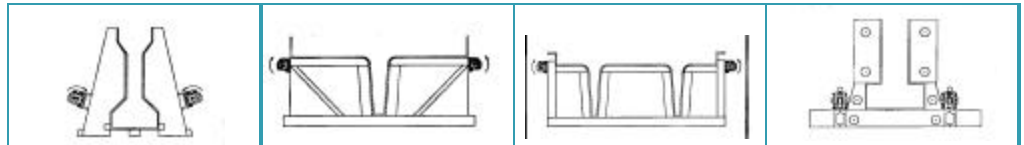
- A. A superior distribution of the mix
- B. Mass evacuation of entrapped air
- C. Fast consolidation
- D. Improved strength and quality

5. BETTER PRODUCT FINISH

Surface marks caused by internal vibrators contacting the forms are eliminated. Cost of rubbing and patching the product are minimized. You save on finishing and possible product rejection.

6. LESS BREAKDOWN AND MAINTENANCE

The casting of high-grade structural concrete with 1"-3" slumps demands continuous heavy service for internal vibrators. Only intermittent operation of external vibrators is required to do the same job. This leads to much less costly maintenance and fewer delays and downtime in production



APPLICATIONS

<i>Precast Concrete</i>	<i>Prestressed Concrete</i>	<i>Railcar unloading</i>
<i>Utility Vaults</i>	<i>I- Beams</i>	<i>Refractory</i>
<i>Concrete Screeds</i>	<i>T panels</i>	<i>Coal bunkers</i>
<i>Concrete Pipes</i>	<i>Inverted T</i>	<i>Tunnels</i>

AIR INLET NIPPLE



POWTEK

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RUGGED STEEL
 M23 LUG BRACKET

