

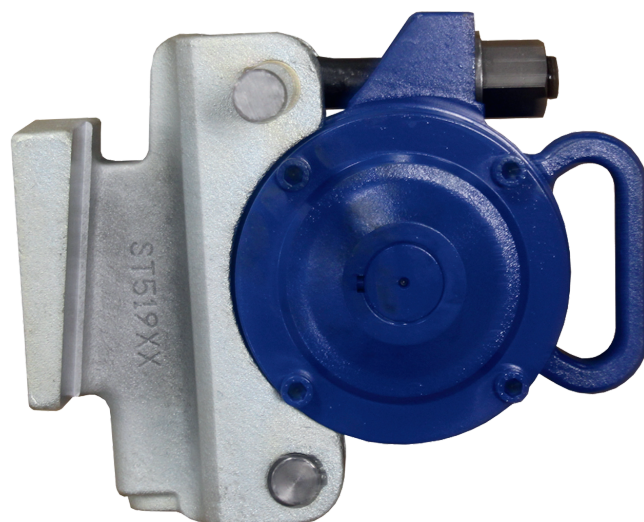


# ROLLER RAILCAR VIBRATORS

Our line of pneumatic roller railcar vibrators offers a full range of frequency and force. With only three internal moving parts, these hopper railcar vibrators have an extended life and require minimal maintenance.

## TECHNICAL DATA

UNBALANCE WEIGHT:	2 GROUND STEEL ROLLERS (5500-6500)	END CAP:	GROUND STEEL PLATES
LUBRICATION:	RECOMMENDED (IF THE ENVIRONMENT IS CLEAN)	AMBIENT TEMPERATURE:	400° F (200° C)
AIR SUPPLY:	30 TO 90 PSI (2 TO 6 BAR)	NOISE LEVEL RANGE:	100 dBA
AIR TYPE:	CLEAN; USAGE OF FILTER WILL EXTEND LIFE	AIR NIPPLE HOSE SIZE:	5/8" - 3/4"
BODY:	CAST IRON	AIR NIPPLE THREAD SIZE:	M-30



## FEATURES:

- Industry standard for hopper railcar unloading
- Mounts easily to most standard wedge brackets for use with hopper railcar pockets
- No bearing, seals, or O-rings
- 3 moving parts (vane, roller-vane, inner/outer roller) provide for simple, longwearing vibration requiring minimal maintenance
- Shaft, roller, and endplates are hardened and ground to assure high performance and reduce wear
- Frequency ranges between 2000 and 9000 vpm depending on the type of railcar vibrator and air pressure applied
- Produces a powerful output force ranging from 1000 pounds up to 7500 pounds

## SPECIFICATION AND PERFORMANCE DATA

MODEL	FREQUENCY			FORCE OUTPUT			AIR CONSUMPTION			WEIGHT
	30 PSI	60 PSI	90 PSI	30 PSI	60 PSI	90 PSI	30 PSI	60 PSI	90 PSI	
	VPM	VPM	VPM	LBS	LBS	LBS	CFM	CFM	CFM	
CR 5500	4000	7000	9000	1200	2500	5500	35	52	59	33
CR 6500	3000	5000	7500	1500	3500	6500	32	49	57	38
CR 7800	2000	3000	5000	1000	3500	7500	31	46	51	40

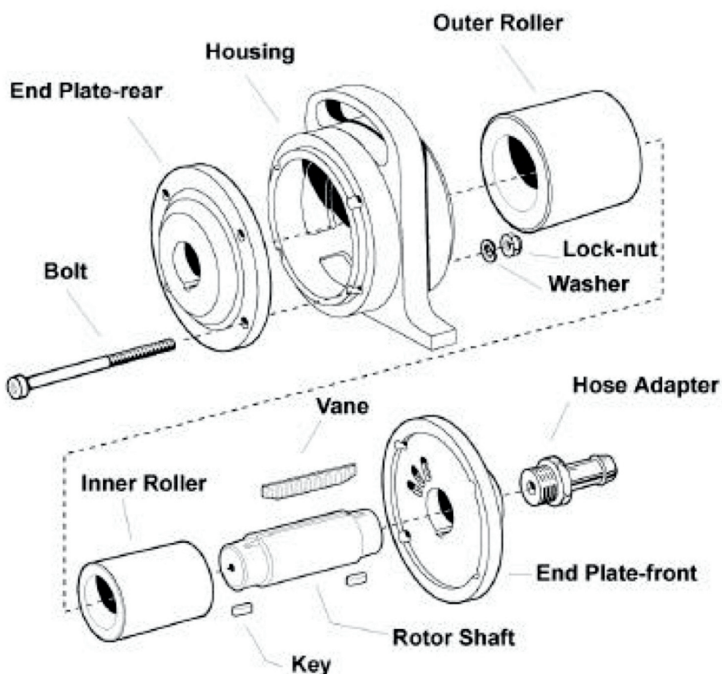


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# ROLLER RAILCAR VIBRATORS



PARTS LIST	
PART DESCRIPTION*	PART NUMBER
VANE	ARN-0116
BOLT	1138671
LOCK-NUT	1140308
WASHER	1140384
HOSE (SHOWN BELOW)	ARN-0318
HOSE ADAPTER	ARN-0115
KEY	50800
INNER ROLLER	ARN-0286
OUTER ROLLER	ARN-0285
EYEBOLT	ARN-0279
NUT	ARN-0280

## MAINTENANCE INSTALLATION:

- This CR series of roller railcar vibrators and shaker solutions require an initial lubrication at the startup; pour 1-2 ounces of air tool oil or a quality 10W air motor oil into the inlet. DO NOT use combustion engine motor oil.
- Set the airline lubricator for 1 or 2 drops of oil per minute. (check for dirt or water at inlet and exhaust.)
- Keep air supply clean and dry by using a correctly sized filter, regulator, lubricator (FRL) at all times. (see example FRL at right)
- Make sure the airline size is appropriate to deliver the CFM required by the vibrator. Size long airline hose lengths to make up for normal pressure drop that could affect the vibrator performance.
- Set PSI to deliver the preferred frequency for your vibrator as shown in the performance table on page 1 (reverse) of this brochure.
- To elevate the estimated performance of a unit, always consider the operating pressure at the inlet of the vibrator and not the static pressure at the compressor since these two valve pressures could be quite different.
- Replace vane when performance begins to deteriorate. The default recommendation is 90 PSI.



FRL  
(Filter Regulator  
Lubricator)



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