

MARTIN® Screen Vibrator

For more than 60 years people have counted on Martin Engineering to provide vibratory solutions.

The Martin® Screen Vibrator offers improved pricing, delivery from stock, and an unsurpassed 3-year warranty.



BENEFITS

- **High Performance**
Units provide up to 16,500 lbs (7483 kg) of centrifugal force for efficient material separation.
- **Certified for Hazardous Duty**
Explosion-proof models are ATEX, cETLus, and IECEx certified for hazardous duty (non-explosion proof models also available).
- **Inverter-Duty Rated**
Can be used with Variable Frequency Drive in ordinary and hazardous atmospheres.
- **Low or No Maintenance**
Greaseable or maintenance-free options.
- **Quiet Operation**
Long-life bearings produce less noise than oil bath bearings.
- **Dual-Voltage Units**
Can be ran at low or high voltage. Any 3-phase electrical rating is available.
- **Adjustable Output**
Adjust the eccentric weights to match 3-panel or 4-panel screens.
- **Simple Installation**
Provided with all the hardware you need to bolt vibrator to screen.
- **Dependable Engineering**
Designed and manufactured in the USA and by other Martin companies worldwide.
- **Proven Design**
Martin Engineering has been designing and manufacturing vibrators for more than 70 years.

AVAILABLE OPTIONS

- Self-Adjusting Swing Weights
- Maintenance-Free Units
- Custom Mounting Configurations to Fit Your Application

MARTIN® SCREEN VIBRATORS

P/N	Model	Frame	RPM	Unbalance in-lbs (kg-cm)	Centrifugal Force lbs (kg)	Weight lbs (kg)	Power Output Horsepower	Max. Current Amps
				60 Hz	60 Hz	60 Hz	60 Hz	60 Hz/460V
MSVX70C04	MSVX18-7710	70	1800	82.5 (95.1)	7710 (3497)	366 (166)	2.5	3.7
MSVX75C04	MSVX18-10800	75	1800	117.3 (135.2)	10800 (4899)	373 (169)	2.5	3.7
MSVX90C04	MSVX18-16500	90	1800	179.2 (206.5)	16500 (7483)	567 (257)	3.8	5.1

P/N	Model	Frame	RPM	Unbalance in-lbs (kg-cm)	Centrifugal Force lbs (kg)	Weight lbs (kg)	Power Output Horsepower	Max. Current Amps
				50 Hz	50 Hz	50 Hz	50 Hz	50 Hz/380V
MSVX70C04	MSVX18-7710	70	1500	120.4 (138.7)	7710 (3497)	385 (175)	2.5	4.3
MSVX75C04	MSVX18-10800	75	1500	168.9 (194.6)	10800 (4899)	395 (179)	2.5	4.3
MSVX90C04	MSVX18-16500	90	1500	250.3 (288.4)	16500 (7483)	604 (274)	3.8	5.9

MARTIN® SCREEN VIBRATOR COMPARATIVE TESTING

To assure its suitability for direct replacement, the Martin® Screen Vibrator was tested in direct comparison to the DERRICK® Super G™ Vibrating Motor.

In the testing of individual and dual-1800 rpm vibrator installations, vibration was monitored in two directions: perpendicular to the material flow (Y) and parallel to the material flow (X). Measurements were performed using accelerometers at a number of fixed points along the screen.

As seen in the graphs at the right, the amplitude and frequency of screen deck vibration were shown to be the same.

