

# 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 16,000 lbs (7484 kg) of centrifugal force for efficient material separation.
- **Certified for Hazardous Duty**  
Explosion-proof model ETL/cETL/ATEX/IECex certified for hazardous duty (non-explosion proof models also available).
- **Rated for VFD Drive**  
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.
- **Adjustable Output**  
Fixed or fully adjustable eccentric weights.
- **Dual-Voltage Units**  
Can be used in locations with different electrical power supply voltages.
- **Simple Installation**  
Stock one dual-voltage motor suitable for installation in an explosive atmosphere anywhere in the world, and be able to adjust the weights to match 3-panel or 4-panel screens for either Standard or High G.
- **Dependable Engineering**  
Designed and manufactured in the USA and by other Martin companies worldwide.

## 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	MSVX18-16000	90	1800	179.2 (206.5)	16500 (7484)	567 (257)	3.8	5.1

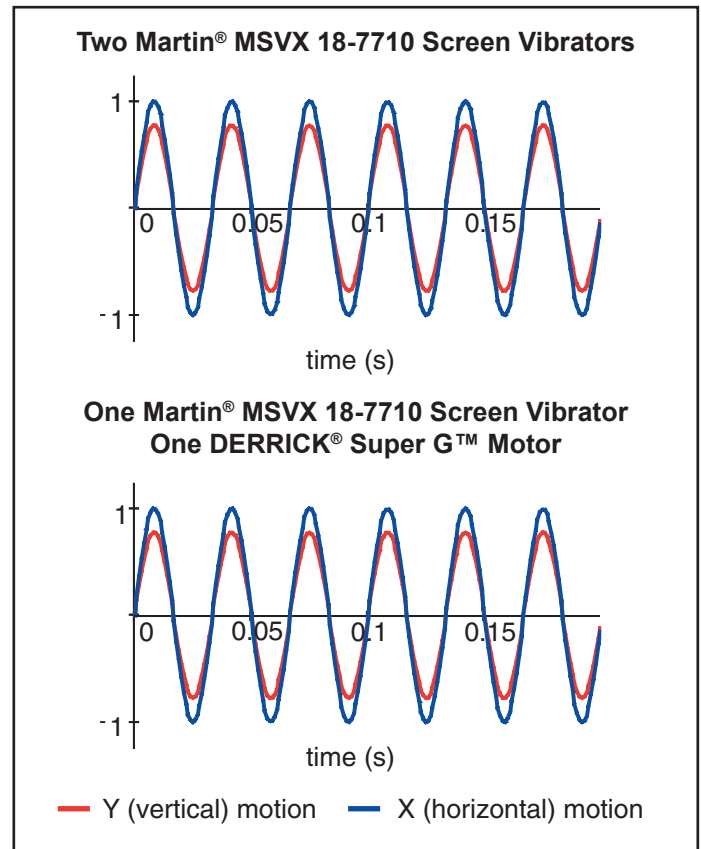
P/N	Model	Frame	RPM	Unbalance in-lbs (kg-cm)	Centrifugal Force lbs (kg)	Weight lbs (kg)	Power Output Horsepower	Max. Current Amps
				50 Hz	50 Hz	50 Hz	50 Hz	50 Hz/380V
MSVX70C04	MSVX18-7710	70	1500	120.4 (138.7)	7710 (3497)	385 (175)	2.5	4.3
MSVX75C04	MSVX18-10800	75	1500	168.9 (194.6)	10800 (4899)	395 (179)	2.5	4.3
MSVX90C04	MSVX18-16000	90	1500	250.3 (288.4)	16500 (7484)	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.



**Martin Engineering USA**  
 One Martin Place  
 Neponset, IL 61345-9766 USA  
 800 383 0313  
 vibrators@martin-eng.com  
 www.martinvibratorsdirect.com

**COMPANY WITH  
 QUALITY SYSTEM  
 CERTIFIED BY DNV  
 = ISO 9001:2008 =**