



# FLC 500™ VE

Part of the Flo-Line® Cleaner 500 Series



An Integral Part of the  
High **G** Solution®

The new FLC 500 VE™ (Vapor Extraction) features an innovative single-side tensioning system coupled with a revolutionary local or remote actuated AWD (Adjustable While Drilling) mechanism and integrated hood to protect personnel from unpleasant/hazardous vapors.

The single-side tensioning system shortens screen panel replacement time to less than one minute per panel and can be configured for operation from either the left or right side. A typical screen panel change requires a one-half turn of two Quick-Lok nut assemblies to relax the state-of-the-art tensioning fingers. This system provides reliable and consistent panel tensioning throughout the life of the machine.

Deck angle adjustment is easily accomplished from a local or remote location by simply pushing a button. The totally incorporated, self-locking, actuated AWD mechanism is engineered to ease deck angle adjustment on increased vibratory G force machines. The FLC 513 VE is a 3-panel shaker (adjustable from -1° to +5°) while the FLC 514 VE is a 4-panel shaker (adjustable from -1° to +7°).

To avoid exposing personnel and surrounding equipment to vapors, the screening surface is covered with a self-locking hood. An exhaust fan connected to the feeder creates a vacuum, which removes unwanted process vapors and creates a continuous flow of fresh (ambient) air into the machine. Screening surface inspection, panel change and maintenance are easily accomplished by lifting the hood door up thus permitting full access to the screen bed.

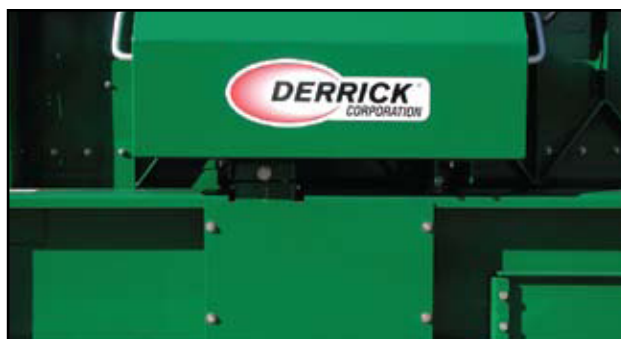
Powered by two patented Derrick's Super G<sup>2</sup>® motors, this linear motion shaker offers superior performance. Super G<sup>2</sup> motors with UL® (Class I, Division 1, Groups C and D) or DEMKO/ATEX (Zone 1 Ex d IIB T3) certifications are available and feature a continuous internal oil bath lubrication system that significantly reduces maintenance requirements. In addition, Super G<sup>2</sup> motors enable the shaker to operate at lower decibels than traditional shakers: 73 dBA on the FLC 513 VE.



Self-Locking Hood



Under-Side Tensioning Fingers



Local/Remote Actuated AWD Mechanism



**Derrick FLC 514 VE**

OPTIONS	MODEL	DIMENSIONS (IN / MM)				(LBS / KG)
		Width	Length	Height	Weir Height	Weight
BOX FEEDER	513	72 3/8 / 1838	103 / 2616	@+5° 67 11/16 / 1719 @0° 62 3/4 / 1594	41 7/16 / 1053	4,304 / 1954
	514	72 3/8 / 1838	128 7/8 / 3273	@+7° 73 3/16 / 1859 @0° 64 1/8 / 1629	42 3/4 / 1086	4,894 / 2222

\*All weights and dimensions are approximate.

SUPER G MOTOR CERTIFICATIONS:



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