



FLC 500™ Series Drying Shaker



A versatile, low profile, high G, linear motion drying shaker which provides exceptional value and unmatched performance.

Derrick FLC 500™ Series Drying Shaker

The Derrick FLC 503/504 drying shaker can be configured to be used as standard rig shakers and are easily transported. The standard skids includes lifting lugs at all four corners and fork truck guides. There are optional bolt-on underflow hoppers, in both standard and low profile heights. The standard feed trough can be changed to a conventional top or weir feeder. This allows one shaker to be used as either drying shaker or a rig shaker, making it one of the most versatile shakers on the market.

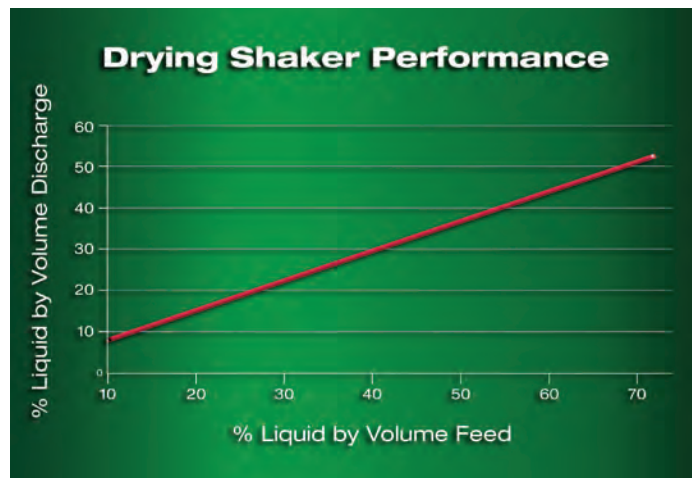
Super G® Vibrating Motors

The FLC 503/504 drying shakers are powered by two Super G vibrating motors producing 7.0 G's (FLC 503) and 7.3 G's (FLC 504) for superior performance. The greased-for-life bearing system eliminates the need for any external lubrication, which reduces maintenance and repair costs. Sound output is reduced to a continuous 81 dBA. The higher G's generated by the Super G motors combined with Derrick's Pyramid screen technology have proven to be very effective in liquid/solids separation due to superior conveyance characteristics and maximized available screening area. Two Super G motors are standard equipment and carry a two-year warranty, Super G² motors are optional and carry a three-year warranty.



Derrick Patented Pyramid™ Screens

Pyramid (PMD™) and Pyramid Plus (PMD+™) technology offers 105% and 184% more usable API non-blanked screen area than a standard flat, perforated plate panel. Pyramid screens exceeded all expectations when the fluid handling capacity was found to increase up to 125%. Installation of Pyramid screens permits the use of finer mesh sizes at higher flow rates, further optimizing the performance of your shaker. Fitted with Pyramid screens, the FLC 503 and 504 has the following non-blanked area available for screening per API RP 13C (ISO 13501): *FLC 504 (4-panel) has 33.2 sq. ft. with the PMD and 46.0 sq. ft. with the PMD+.* *The FLC 503 (3-panel) has 24.9 sq. ft. with the PMD and 34.5 sq. ft. with the PMD+.*



Single-sided Tensioning System

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 assemblies to disengage the tensioning fingers. This system provides reliable and consistent panel tensioning throughout the life of the machine.

Proven Performance

The Derrick Drying Shaker will recover water or oil base mud from drilled cuttings and can reduce the water or oil on cuttings to below 10% by weight in most applications. The shaker's low profile and low weir height is a necessity in the field and adds to the units flexibility.

MODEL	DIMENSIONS (IN / MM)				(LBS / KG)	
	Width	Length	Height		Weir Height	Weight
			Standard*	Low Profile**		
FLC 503	68 ³ / ₄ / 1746	101 ¹ / ₈ / 2569	65 ⁷ / ₈ / 1673	71 ⁷ / ₈ / 1826	25 / 650	3020 / 1370
FLC 504	68 ³ / ₄ / 1746	128 ⁵ / ₈ / 3267	75 / 1905	81 / 2057	25 / 650	3650 / 1656

*Without underflow hopper

**With low profile underflow hopper



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PYRAMID™ SCREEN