

BRANDT™ LCM-3D/CM-2 Cascade Shaker

INTEGRATING TECHNOLOGIES FOR MAXIMUM SEPARATION EFFICIENCY



The LCM-3D/CM-2 Cascade shaker combines the scalping efficiency of a circular-motion CM-2 scalping shaker with the high throughput of a linear-motion LCM-3D primary shaker. Mounted above the LCM-3D primary shaker, the CM-2 shaker utilizes two hookstrip screens with a flat, 0° deck angle. The circular vibration motion of the CM-2 is effective in maximizing scalping ability when large, sticky hydrated clays are encountered.

The LCM-3D shaker, like the COBRA™ series, uses four pretension screens, the 0°, +5°, +5°, +5° deck angle design and linear motion to remove solids from liquid. The linear motion of the LCM-3D is highly effective in rapidly separating and discharging solids and providing high throughput.

To further increase separation efficiency, an optional VFD G-Force Controller is also available on the linear-motion LCM-3D shaker. This controller allows the operator to adjust the G-forces exerted on the shaker bed to one of three settings: 6.1 (NORM), 6.5 (HIGH) and 7.1 (MAX).

LCM-3D/CM-2 Cascade Shaker

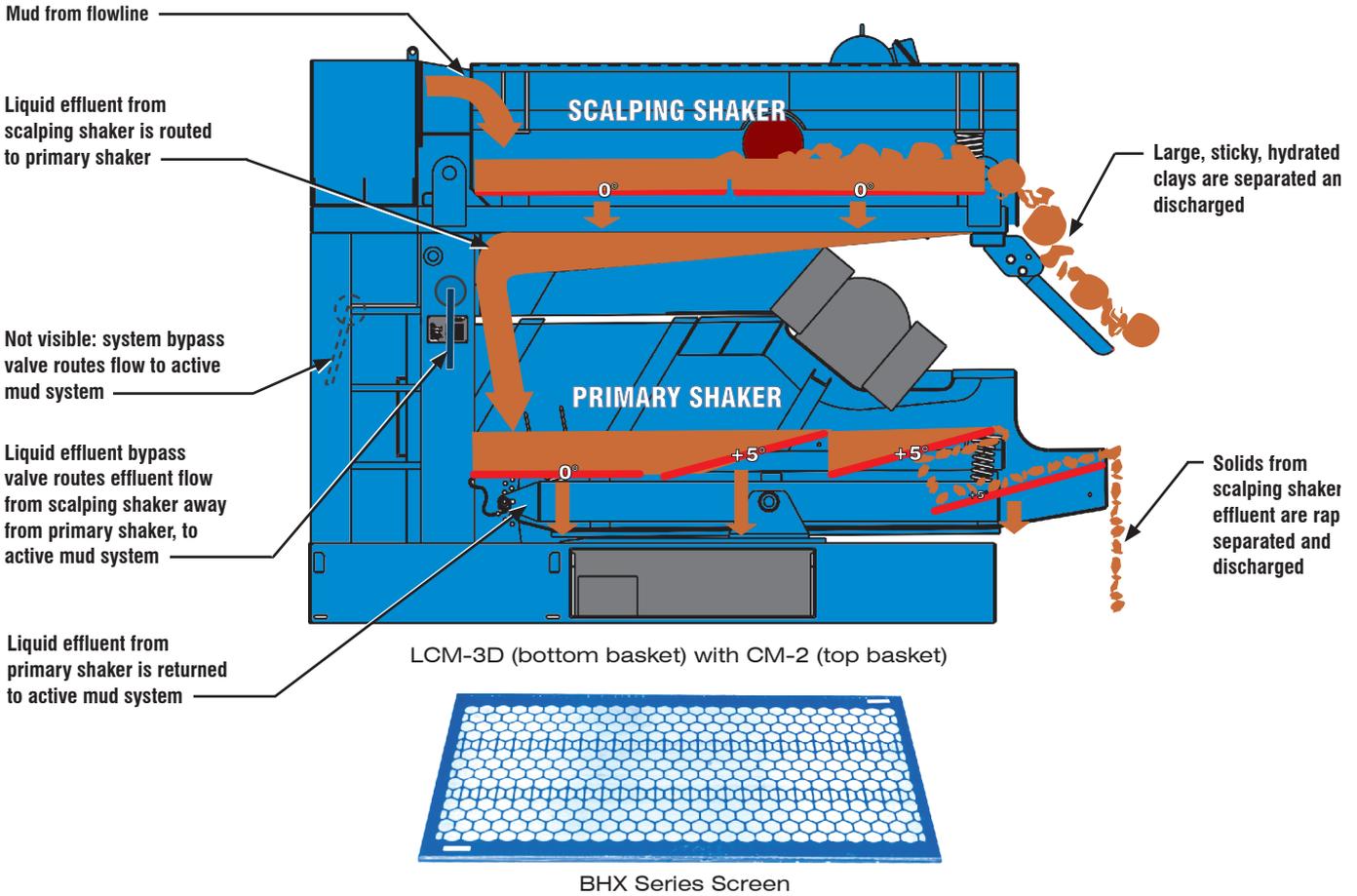
FEATURES	BENEFITS
Unique, rugged basket design (CM-2 and LCM-3D)	Optimal mud coverage of screen surface
Few replacement parts (CM-2 and LCM-3D)	Small parts inventory, providing cost savings
Circular vibration motion (CM-2)	Easily removes large, sticky clays and other troublesome solids
Linear vibration motion (LCM-3D)	Rapidly separates and discharges solids
Patented drying deck (LCM-3D)	Helps reduce mud losses via a dry solids discharge
Exclusive 0°, +5°, +5°, +5° deck angles (LCM-3D)	Keeps the mud pool volume small, increasing screen life
Optional weir height	Weir height of 74 in (1879.6 mm), with optional 70 in (1778 mm) when needed
Four repairable, pretension screens (LCM-3D)	Offers 33.4 ft ² (3.1 m ²) of screen area which is repairable, providing cost savings
Individual seals on every screen (CM-2 and LCM-3D)	Eliminates screen leakage
Patented pin-and-hole screen securing system (LCM-3D)	Secures screens to shaker basket snugly so they will not slip or slide once in place

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BRANDT™ LCM-3D/CM-2 Cascade Shaker



Specifications and Dimensions

Model	LCM-3D/CM-2 Cascade	
Dimensions (L x W x H)	119 ³ / ₈ in x 81 in x 90 in (3032 mm x 2057 mm x 2286 mm)	
Weir Height	74 in (1880 mm)	
Weir Height Opt	70 in (1778 mm)	
Weight	9100 lb (4131 kg)	
	CM-2 Shaker	LCM-3D Shaker
Basket Angle	Fixed 0°	Adjustable -5° to +5°
Deck Angle	0°, 0°	0°, +5°, +5°, +5°
Screening Area	22.5 ft ² (2.1 m ²)	33.4 ft ² (3.1 m ²)
Screen Type	Hookstrip, repairable	Pretension, repairable
Screen Quantity	2	4
Motor Type	(1) Belt Drive	(2) Vibra-Motors
Motor Power (each)	1 hp (0.7 kw)	2.5 hp (1.9 kw)
Vibration Motion	Circular	Linear
G-Force	4.2 Nominal G's	6.1 Nominal G's*

*Optional VFD G-Force Controller is available offering three (3) selectable G-force settings: 6.1 (NORM), 6.5 (HIGH) and 7.1 (MAX)

From flowline to disposal, NOV has the solutions to your separation and waste management needs. BRANDT is a product group of National Oilwell Varco, the industry's leading provider of oilfield products and services.

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