

Brandt® VSM 300® Shaker

INCORPORATING PROVEN TECHNOLOGIES FOR MAXIMUM SEPARATION EFFICIENCY



The VSM 300 cascade shaker delivers dramatic increases in capacity with its unique vibratory motion and screen deck design. The innovative, integrated deck design of the VSM 300 includes three scalping screens, four primary screens and two optional drying screens. This truly unique design, coupled with balanced elliptical motion,

enables the shaker to maximize solids conveyance and liquid/solids separation. The Pneumoseal™ screen clamping system is an element of the shaker that offers an air-operated, quick-release system that allows screens to be changed by a single operator in two to three minutes.

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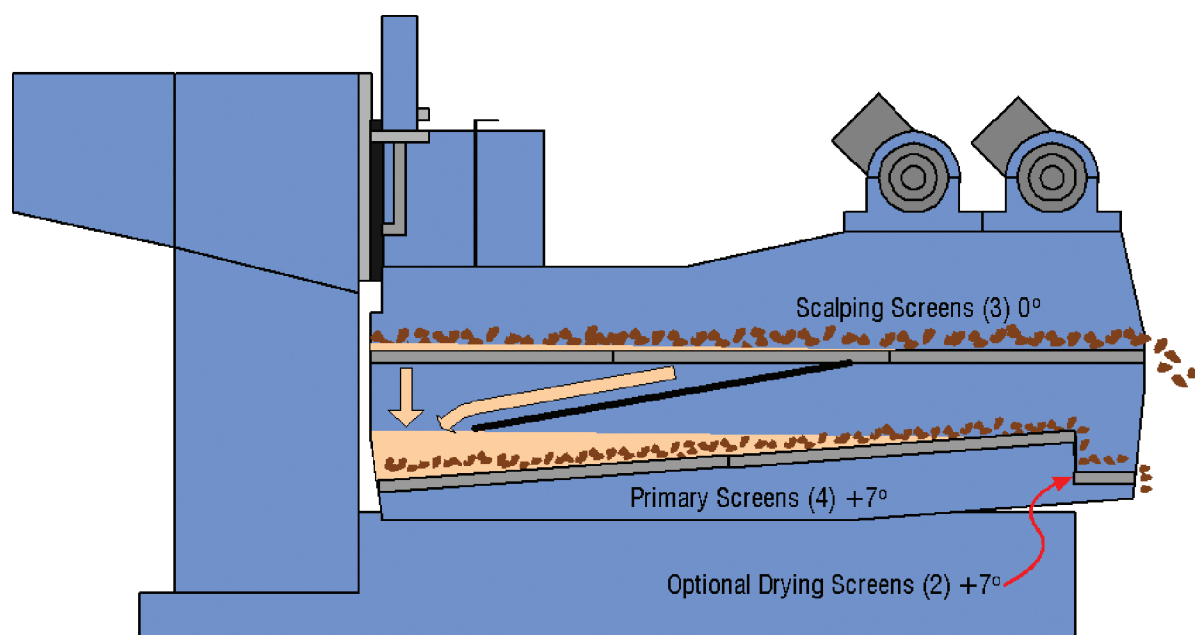
FEATURES	BENEFITS
Balanced elliptical motion	Effective removal of sticky, hydrated clays
Adjustable G-force	Adjustments in G-force (4, 6, or 8 G's) to adapt to changes in drilling conditions
Integrated scalping deck (3 screens)	Reduces the need for (and subsequent costs and weight of) upstream scalping shakers and/or gumbo equipment • 1.9 m² (20.5 ft²) of screen area
Primary deck angled at 7° incline (4 screens)	Excellent solids conveyance and liquid/solids separation, even when reactive formations are encountered • Keeps the mud pool volume small, which helps to increase screen life • 2.4 m² (26.3 ft²) of screen area
Integrated drying deck (2 screens; optional)	Reduces mud losses by creating a dry solids discharge • Provides 0.3 m² (3.0 ft²) of screen area
Pneumoseal clamping system	Screens are properly secured to the basket for quick and easy screen changes
Variable frequency drive (VFD) control	Soft starting, fingertip adjustments of motor speed and matching of G-force to operating conditions

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NOV NATIONAL OILWELL VARCO

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VSM 300 Shale Shaker

Specifications and Dimensions

Dimensions (L x W x H)	108.4 in x 73.6 in x 59.3 in (2754 mm x 1870 mm x 1505 mm)		
Weir Height	39 in (991 mm)		
Weight	5370 lb (2436 kg)		
G-Force	Adjustable; 4, 6 or 8 G's		
Vibration Motion	Balanced Elliptical		
Motor Quantity	2		
Motor Power (each)	3 kW (4 hp)		
Electrical Voltage / Phase/ Frequency	380 - 460 VAC / 3 phase / 50 or 60 Hz		
Air Connection / Pressure / Capacity	Single-point / 85-90 psi / 0.014 m³/min (0.5 ft³/min)		
DECK	SCALPING	PRIMARY	DRYING
Quantity of Screens	3	4	2
Deck Angle	0°	+7°	+7°
Screen Type	Pretension, Repairable	Pretension, Repairable	Pretension, Repairable
Deck Area	20.5 ft² (1.9 m²)	26.3 ft² (2.4 m²)	3 ft² (0.3 m²)

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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