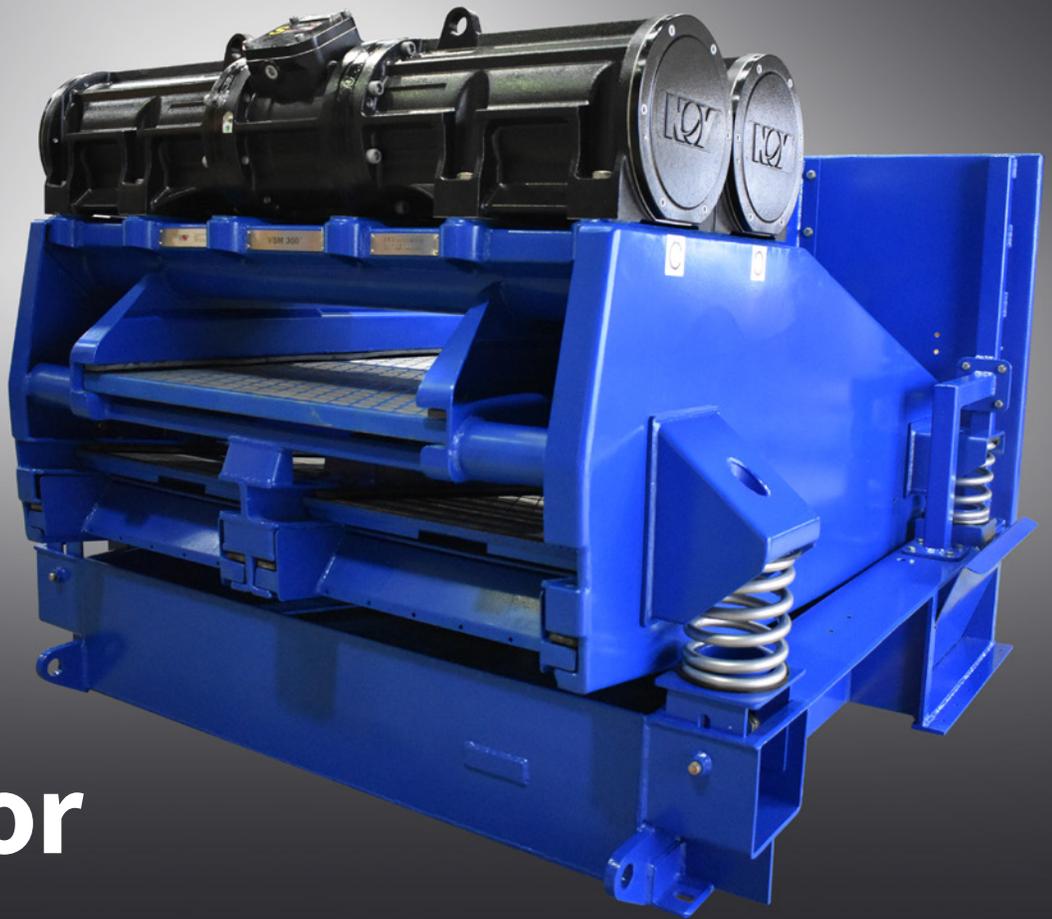


BRANDT VSM 300 Separator



Combining outstanding performance, reliability, and ease of use.

The BRANDT™ VSM 300™ cascade shaker delivers outstanding solids separation performance with unsurpassed reliability and durability. The innovative, integrated deck design of the VSM 300 incorporates a scalping deck, primary deck, and optional drying deck. This truly unique design, coupled with balanced elliptical motion, enables the shaker to maximize solids conveyance and liquid/solid separation. The pneumoseal screen clamping system allows screens to quickly be changed by a single operator. Furthermore, the canister motor drive system offers improved reliability, reduces maintenance requirements and lowers the total cost of ownership.

The VSM 300 can be equipped with a fume extraction hood for safe extraction of fumes out of the shaker house. The unit's modular design allows for use in stand-alone operations or provides the flexibility of connecting up to eight units with a common sump and integrated flow distribution system.

Get the most out of your VSM 300 by incorporating remote manual feed gate control and CONSTANT-G CONTROL™ (CGC). Remote manual feed gates allow for the operator to adjust the amount of fluid received by the shaker remotely while CGC optimizes shaker performance by automatically adjusting the basket G-force during operation.

Contact your NOV sales representative for more information on how the Brandt VSM 300 separator can lower your operational costs.

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Features

- CONSTANT-G CONTROL (CGC) *Optional*
- Balanced elliptical motion
- Integrated scalping deck (3 screens)
- Primary deck angled at 7° incline (4 screens)
- Integrated drying deck (2 screens; optional)
- Pneumoseal clamping system
- Variable frequency drive (VFD) control
- Canister motor drive system

Benefits

- Maintains an optimum G-force rating (4.8-7.3 G with CGC) during variable liquid/solids loading conditions. Improves flow capacity, provides constant solids conveyance and finer screening capacity.
- Provides effective removal of sticky, hydrated clays
- Reduces the need for (and subsequent cost and weight of) upstream scalping shakers and/or gumbo equipment
- Excellent solids conveyance and liquid/solids separation, even when reactive formations are encountered. Maintains a liquid pool on the screens for increased capacity
- Reduces mud losses by creating a dry solids discharge
- Screens are properly secured to the basket while still allowing quick and easy screen changes
- Soft starting, fingertip adjustments of motor speed and matching of G-force to operating conditions
- Reduces maintenance requirements and lowers total cost of ownership

BRANDT VSM 300 Separator Specifications

Dimensions (L x W x H)*	108.4 in. x 77.8 in. x 61.7 in. (2754 mm x 1976 mm x 1566 mm)
Weir height	39 in. (991 mm)
Max gross weight (dry)*	5600 lb (2540 kg)
Basket angle	0°
Scalping deck angle	0°
Primary deck angle	+7°
Drying deck angle	+7°
Total screening area	49.40 ft ² (4.6 m ²)
Scalping deck screening area	20.5 ft ² (1.9 m ²) - (3 screens)
Primary deck screening area	26.3 ft ² (2.4 m ²) - (4 screens)
Drying deck screening area	3 ft ² (0.3 m ²) - (2 screens)
Screen type	Pretensioned; Repairable
Screen-securing system	Pneumoseal (air-operated; quick release)
Motor type	(2) Totally enclosed non-ventilated (TENV)
Motor power (per unit)	(2) 4 hp (3 kW)
Vibration motion	Balanced elliptical
Electrical requirements	380 - 460 VAC / 3 phase / 50 or 60 Hz
Air connection/pressure	Single-point / 80-90 psi
Certification (ATEX)	CE Ex II 2 G Ex h IIB T3 Gb, Ta -20°C to +55°C
IECEx (electricals)	Zone 1, Gas Group IIB, Temperature class T3

*Varies based on configuration. Please contact your NOV sales representative for specific dimension and weight information.