



VORTEX FLUID SYSTEMS INC.

ORBITAL® 3000 DUAL

DESCRIPTION

The ORBITAL® 3000 Dual has two Orbital® 3000 baskets mounted on a single base. The Orbital® 3000 Dual has a high performance and low maintenance design which incorporates longevity features such as seal welding and multiple layers of corrosion protection. The Orbital® 3000 Dual is considered by many of our customers as one of the best investments on the drilling rig. Couple this with a patent pending screen seal that is as easy to change as a set of screens and it is no wonder the Orbital® 3000 has gained an unparalleled reputation with both rig owners and tool pushers as the best shaker in the oilfield.

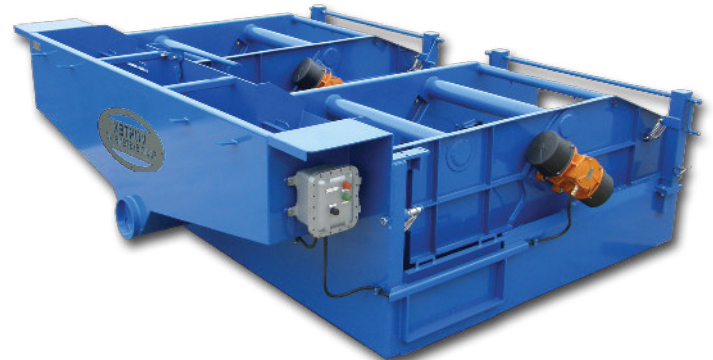
PERFORMANCE

The screen area of the Orbital® 3000 Dual is 60 ft² with an acceleration of 6 g's standard and 7.5 g's optional. The combination of screen surface area, high g's, and screen motion make the Orbital® 3000 one of the best performing machines in the industry. The Orbital® 3000 Dual shaker uses progressive elliptical motion for extended screen life and excellent conveyance.

FEATURES

Orbital® shakers have many beneficial features.

- ☑ **ACCELERATION:** 6 g's (standard) to 7.5 g's (optional)
- ☑ **SCREEN AREA:** 60 ft² of screening area
- ☑ **MOTION:** elliptical motion
- ☑ **SCREEN LIFE:** ORBITAL® shakers have exceptional screen life
- ☑ **SEAL WELDED:** fully seal welded baskets.
- ☑ **LOW MAINTENANCE:** ultra low maintenance design
- ☑ **LOW NOISE:** 70 db standing 3ft from discharge
- ☑ **ABRASION PROTECTION:** two layers of powder coat
- ☑ **SCREEN SEALS:** patent pending screen seals are as easy to change as a set of screens
- ☑ **VIBRATORS:** vibrators are one of the most overbuilt electrically and mechanically in the industry
- ☑ **MANUFACTURING:** Made in USA



DRILLING FLUIDS MANAGEMENT

The VFSI Orbital® 3000 Dual shaker is conveniently arranged to simplify drilling fluids/cement bypass management.

NORMAL OPERATION

In normal drilling operation the door through the floor pan between the Orbital® 3000 baskets returns flow to the sand trap.

CEMENTING OPERATION

Cementing is diverted to bypass the Orbital® 3000 baskets by simply installing the floor pan and two inner shaker doors, removing the two cement bypass doors, and opening the bypass gate discharges cement to the reserve pit.



VORTEX FLUID SYSTEMS INC.
Serving our customers worldwide...

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SPECIFICATIONS AND DIMENSIONS

ORBITAL® 3000 DUAL

NAME: Orbital® 3000 Dual
SCREEN AREA: 60 ft ² [5.6 m ²]
"G" FORCE: 6 g's (standard), 7.5 g's (optional)
MOTION: Progressive Elliptical
DIMENSIONS (LxWxH): 129-7/8x172-7/8x50-1/8in (330x439x127cm)
BASE DIMENSIONS (LxW): 105-7/8x156-5/8in (269x398cm)
WEIGHT: 9500lb [4318kg]
WEIR HEIGHT: 26.5in [67.3cm] (standard) or 24 in [61cm] (optional)
ADJUSTMENT ANGLE: 0 to 8 degrees
ANGLE CHANGE TYPE: hand crank (standard) or center wheel (optional)
SCREEN TYPE: pretension
SCREEN NUMBER: 8 screens
SCREEN SIZE: 46.25 x 24 in [117 x 61 in]
MOTORS: Italvebras, 1800 rpm, 50 or 60 hz
MOTOR RATING: UL Class 1, Div 1, ATEX/IECEX (opt), explosion proof
ELECTRICAL BOX RATING: UL Class 1, Div 1, ATEX/IECEX (opt), explosion proof

