



# VORTEX FLUID SYSTEMS INC.

vortexfluidsystems.com

## 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.

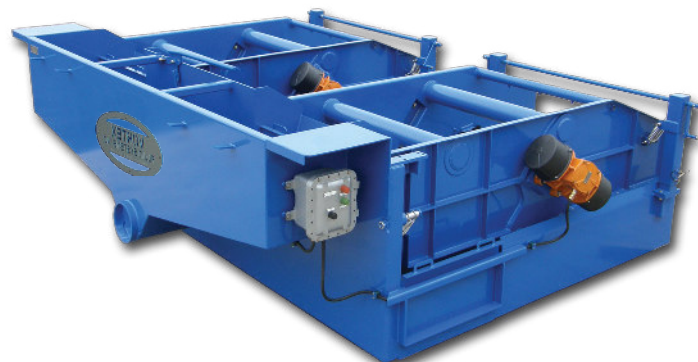
### PERFORMANCE

The screen area of the Orbital® 3000 Dual is 60 ft<sup>2</sup> 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 ft<sup>2</sup> 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

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

