



VORTEX FLUID SYSTEMS INC.

vortexfluidsystems.com

ORBITAL[®] 3000

DESCRIPTION

The Orbital[®] 3000 shale shaker has proven itself in both the drilling and mining industry. It is a high performance, low maintenance design which incorporates longevity features such as seal welding and a multi-layer premium coating system for corrosion protection. The Orbital[®] 3000 is considered by many of our customers as one of their 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.

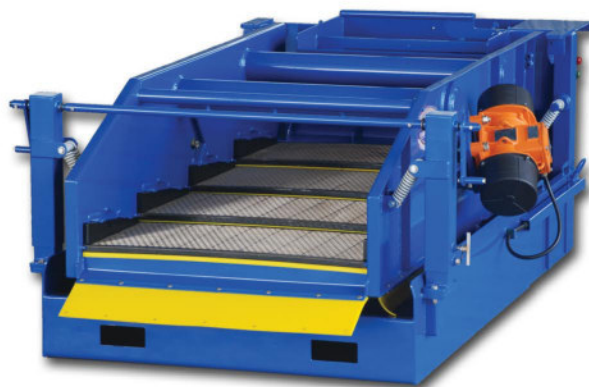
PERFORMANCE

The screen area of the 4 panel shaker is 30 ft² with an acceleration of 6.9 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. Orbital[®] shakers use progressive elliptical motion for extended screen life and excellent conveyance.

FEATURES

ORBITAL[®] shakers have many beneficial features.

- ☑ **ACCELERATION:** 6.9 g's (standard) to 7.5 g's (optional)
- ☑ **SCREEN AREA:** 30 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 the USA



ORBITAL[®] 3000 (FRONT VIEW)



ORBITAL[®] 3000 (BACK VIEW)



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

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SPECIFICATIONS AND DIMENSIONS

ORBITAL® 3000

NAME: Orbital® 3000
SCREEN AREA: 30 ft ² [2.8 m ²]
"G" FORCE: 6.9 g's (standard), 7.5 g's (optional)
MOTION: Progressive Elliptical
DIMENSIONS (LxWxH): 125-7/8x78-1/8x44-3/4in (320x78x44cm)
BASE DIMENSIONS (LxW): 105-1/2x61in (268x155cm)
WEIGHT: 3,900lb [1,769kg]
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: 4 screens
SCREEN SIZE: 46.25 x 24 in [117 x 61 in]
MOTORS: Italvibras, 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

