

SWECO

MULTI-MOTION

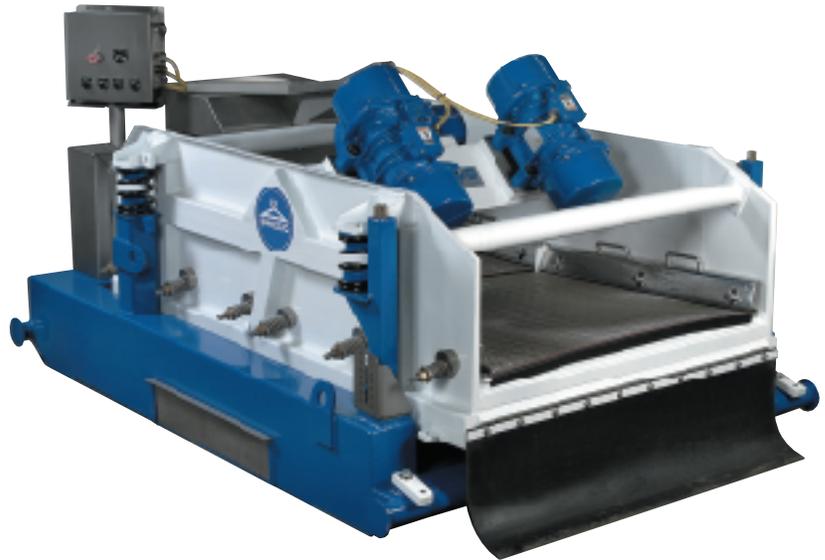
RECTANGULAR SEPARATOR

THE SEPARATOR THAT ADAPTS AS SOLIDS CHANGE

Sweco® has developed a new rectangular separator that can adapt as solids characteristics change. Combining the patented elliptical motion with linear motion technology, Sweco has created the Multi-Motion (MM) Rectangular Separator, a revolutionary separator that delivers the benefits of two distinct motions.

The groundbreaking design of the MM allows operators to use linear motion where heavy, high-volume solids are encountered. In these intervals, separators need to generate high g-forces to effectively move dense solids across the screens.

But as conditions change, the MM can be adjusted "on the fly". With the flip of a switch on the control box, motion is reconfigured from linear to elliptical mode, solids encounter reduced g-forces and longer screen residence time. This results in drier solids, longer screen life and reduced operating costs.



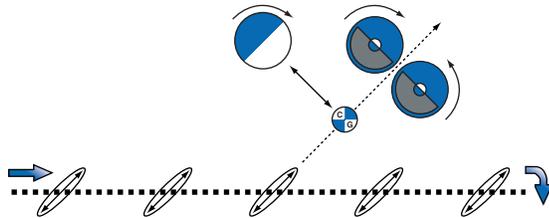
We Put Technology In Motion™
www.sweco.com

**AS SOLIDS CHARACTERISTICS CHANGE,
THE MM RECTANGULAR SEPARATOR CAN BE
ADJUSTED WITH THE FLIP OF A SWITCH**

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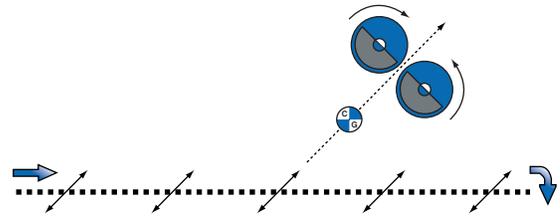
The Flexibility of Both Linear and Elliptical Motion in One Separator!

BENEFITS OF MULTI-MOTION



ELLIPTICAL MOTION

- Reduces g-forces
- Optimizes solids removal
- Maximizes liquid throughput
- Extends screen life



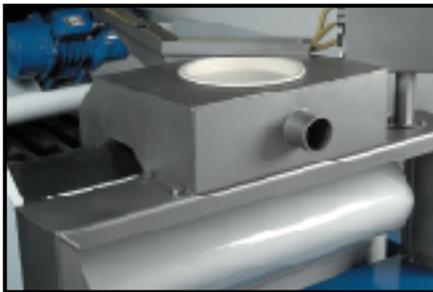
LINEAR MOTION

- Increases g-forces
- Speeds conveyance
- Enables separator to process heavier solids loads

FEATURES AND BENEFITS

- Multi-Motion - linear motion for fast conveyance and heavy loading plus elliptical for maximum retention time and drier solids
- Optional Multi-Motion Control Box allows changes in separator motion at the flip of a switch - without stopping the separator
- Balanced basket functions flawlessly in either linear or elliptical mode with dry, light loads or heavy loads
- Unique feed box provides increased handling capacity and dampening the velocity of fluid
- Unit is equipped with adjustable basket elevators to allow easy, precise bed angle adjustment, ensuring even flow on screens

In addition to its unique multi-motion, the MM Rectangular Separator adapts to specific application needs with a custom-configured separator basket. Options include:



Feed Box

- Standard rapid action tensioner systems [RATS] (hook screens) or polyurethane wedge clamps (pre-tensioned screens) for quick replacement of screens
- Basket can be constructed of carbon, 304L stainless or 316L stainless steel
- Explosion proof controls and motors or TENV with wash-down duty control box



Control Box

SPECIFICATIONS

DIMENSIONS

	MM2-HS	MM4-PT
• Length	95 in	115 in
• Width	70 in	67 in
• Weir Height	33 in	29 in
• Height	49 in	50 in
• Weight	3,050 lbs	3,450 lbs

BASKET ISOLATION

- Coated carbon steel springs

MOTOR SPECIFICATIONS

- Two (2) 2 hp vibrator motors
- One (1) 0.6 hp vibrator motor
- 230/460V/60 hz/1,800 rpm
- Explosion proof
- TENV
- Class I, groups C and D

SCREEN DECK AND SCREENS

- Screen area (number of screens):
MM2-HS: 25 ft² (2)
MM4-PT: 29 ft² (4)
- Deck angle adjustable: -2° to +4°
- Screen types:
MM2-HS: Hook screen 4' x 3'
MM4-PT: Pre-tensioned 23" x 46"



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