

# Step Screening and Dewatering



**WESTECH**<sup>®</sup>



WesTech and MEVA provide the next step in fine screening and dewatering technology. The CleanFlo™ Monoscreen® and CleanFlo™ Rotoscreen® are designed for wastewater and process water treatment which require a high level of separation. Matched with our CleanWash™ SWP/CPS dewatering unit, the combination maximizes the solids capture rate for your headworks operation while minimizing the amount of solids for disposal.

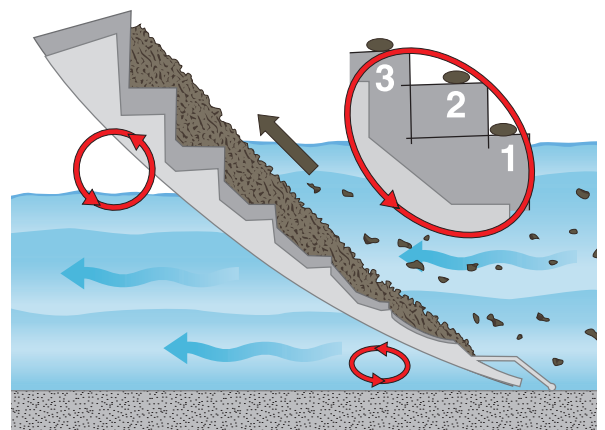
### CleanFlo Monoscreen

The CleanFlo Monoscreen improves upon the operational simplicity and cost effectiveness of a traditional step screen through the unique patented design of its step blades. The blade and drive system create a progressive step motion, allowing the

screenings to be more evenly distributed while minimizing water level surges. The net result is a screening capture ratio (SCR) of 82.5%, a level required on the most demanding of pre-membrane applications.



- **50% Higher Capture Rate**
- **Slot Widths 1 - 6 mm**
- **Patented Fine Screen**
- **Few Moving Parts**
- **High Capacity**



The blades in the lower part of the unit move in an elliptical horizontal motion, while the blades in the upper section move in the traditional circular motion. This progressive motion moves the captured solids (precoat solids) up the screen at a slower and more even rate.

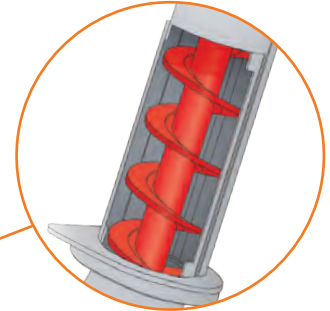


## CleanWash SWP/CPS

Unlike other screw wash presses in which the design of the discharge pipe creates the back pressure necessary to dewater screenings, WesTech's CleanWash Screw Wash Press (SWP) with Counter Pressure Screw (CPS) regulates the optimal amount of back pressure to maximize dewatering of solids contained in widely variable influent. The CPS creates a counter pressure during the working cycle of the SWP. The counter pressure increases until the pre-set current consumption for the SWP is achieved. At this point, the CPS starts and the SWP stops. In this way, the pressure is continuously adjusted, resulting in maximum dry solids content. The dry solids material is then shredded by the CPS, making it optimal for disposal. The CPS also works as a conveyor enabling long vertical conveying distances.



The positive conveyance of the screenings after each washing cycle means up to 70% dry solids content without fear of plugging-through 10, 20, or even 30 feet of discharge piping.



**75% less weight per cubic foot**

- **Superior Dewatering**
- **Dry Solids Contents of up to 70%**
- **Volume Reductions of up to 80%**
- **Environment Advantages**
- **Patented CPS Design**

## CleanFlo™ All-In-One™

The CleanFlo™ All-In-One™ unit is used in municipal and industrial wastewater treatment plants. The preliminary treatment unit combines screening, grit removal, and dewatering in a single tank. The CleanFlo™ All-In-One is suitable for indoor or outdoor installation with capacities from 0.3 MGD up to 3 MGD.



## CleanFlo Rotoscreen

Designed specifically for facilities with limited space, the CleanFlo™ Rotoscreen® delivers powerful results when managing high flow and high conveying capacities. Known to be the most rigid step screen on the market, the WesTech CleanFlo™ Rotoscreen® is built to last.

- **Slot Widths 1 - 6 mm**
- **Robust Screen Design**
- **High Capture Rate**
- **High Capacity**
- **Pivots out of Channel for Easy Maintenance**





Represented by:

**WESTECH**® Tel: 801.265.1000  
westech-inc.com  
info@westech-inc.com  
Salt Lake City, Utah, USA

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