

## FINE SCREENING



## COARSE

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Screening is a critical step in the treatment of raw water and wastewater, ensuring the efficient operation of downstream processes and protecting equipment. The Ozzy™ Cup Screens, along with Brackett Green® Drum Screens, offer versatile solutions for coarse, fine, and ultra-fine filtration, ranging from 5mm to 1mm.



## PRODUCT/PROCESS OFFERING

- **Ozzy™ Cup Screens Brackett Green® Single Entry Drum Screen (Cup Screen)**
- **Brackett Green® Double Entry Drum Screens**
- **Brackett Green® Dual Flow Traveling Band Screens**

## HOW IT WORKS

Influent wastewaters or effluents pass through a perforated mesh screen where materials larger than the mesh diameter are retained. Semi-continuous or continuous cleaning involves rotation to the wash water area, directing collected debris for further processing. Compacted screenings are then processed through a screw compactor, reducing water content before disposal.

## TECHNICAL INFORMATION

- Flow rates per screen ranging from 0.25 MGD to +700 MGD
- Screen aperture sizes: 6 mm, 5 mm, 4 mm, 3 mm, 2 mm, 1 mm, 0.5 mm
- Velocity-dependent capture percentages, easily reaching 95% or higher
- Effective against various debris types, including hair and fiber
- Screens customizable in classifications and constructed of stainless steel
- ProPaPanels® combat hairpinning and matting, featuring a deep panel and tapered hole design
- Cup and Drum Screens with one easily replaceable seal at deck level
- Ovivo Ozzy™ cup screens fit square channels, handling 0.5 MGD to 10 MGD
- Screens adaptable for tank installation, ensuring mobility and flexibility

## FEATURES & BENEFITS

- Over 1,000 installations in North America across municipal, industrial, and energy sectors.
- High capture rates exceeding 98% under the correctly designed screen approach velocities.
- Interchangeable panels for flexible filtration rates adjustment.
- ProPaPanel providing efficient 2D filtration, resistant to clogging or hairpinning.
- Cup and Drum Screens with exceptionally low operating costs, featuring one moving part and a minimal number of wear parts, offering an expected life of 30+ years

\*Suitable for municipal, industrial, and energy applications, the Ozzy™ Cup Screens and Brackett Green® Drum Screens demonstrate outstanding debris capture rates across various mesh sizes, making them indispensable in water and wastewater treatment processes

