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Manufacture.Quality.Solutions.

KUSTERS WATER DIVISION

Headworks | Thickening | Clarification | Biosolids | Odor Control | Biological

Internally Fed
DRUM SCREEN

The highly efficient Internally Fed Drum Screen offers low water usage and low energy consumption, while maximizing screening efficiency.

Features

- Rugged stainless steel construction
- Completely enclosed
- Screenings positively conveyed to discharge point
- Ease of maintenance
- Indoor or outdoor installation
- Automatic Integral overflow with alarm and separate outlet prevents contamination of filtered effluent
- Multiple influent pipe designs for various applications
- Perforations from 0.5 to 4.0 mm. (Wedge wire on request)

Benefits

- Stronger and more efficient than wedge wire designs
- Low water usage due to a specially designed drum cleaning system
- Low energy consumption
- Low maintenance costs
- No seals or slots to allow bypassing of solids

PRINCIPLE OF OPERATION

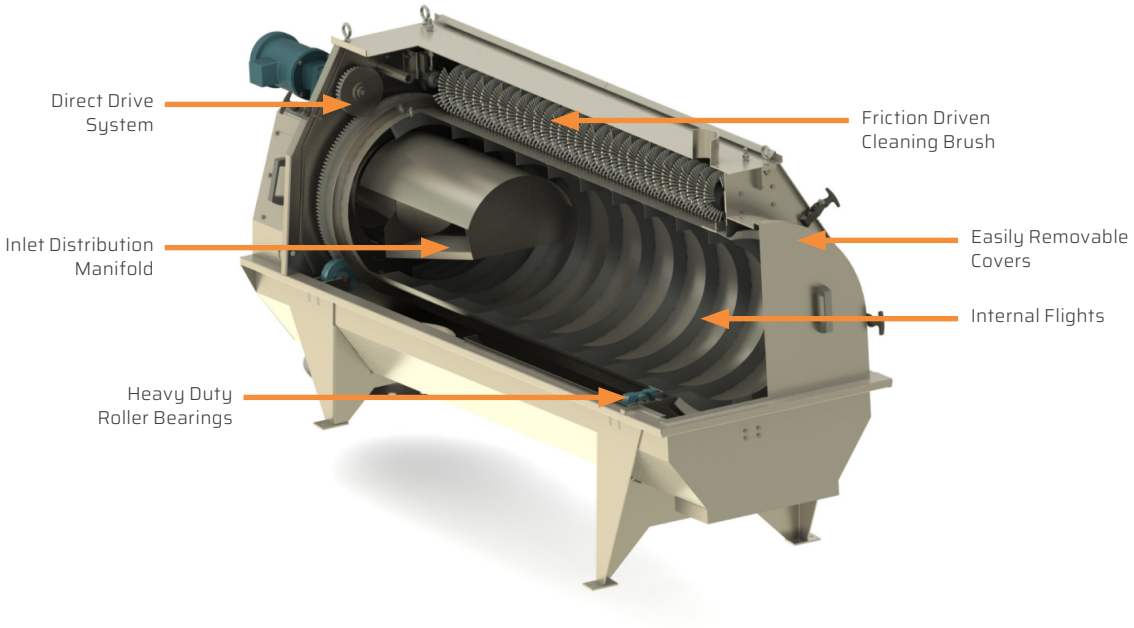
Influent to the drum is controlled by means of various inlet pipe designs, based on the type of material processed and flow rate required, which distribute the influent over a large area of the drum to ensure efficient use of the drum open area. As the drum rotates, screened fluid passes thru the perforations and drops into the water collection trough underneath the drum and is then discharged. Solids are retained within the drum and are dewatered as they are moved to the elevated end of the drum by the internal flights. The screenings are then discharged into a dumpster, conveyor, or compactor. The perforated drum is continuously cleaned by means of a friction driven brush. An external spray bar is also supplied to allow intermittent spray cleaning if required.

Applications

- Raw Sewage Screening
- Sludge Dewatering
- Pulp and Paper Mills
- MBR Protection
- Food Processing

Material

- Drum: 304 or 316 stainless steel
- Housing: 304 or 316 stainless steel
- Inlet pipe: 304 or 316 stainless steel
- Access covers: Molded ABS thermoplastic or SSTL
- Brush: Polyethylene
- Spray Bar: 304 or 316 stainless steel



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