

Lackeby Roto Sieve Drum Screen



Lackeby Drum Screen

Monitor Pumps and Systems have installed the Lackeby Drum Screen in various industries with great success separating different types of solid particles from waste / process water. These industries include the primary screening on sewage plants, abattoirs and fisheries that are some of the most difficult applications due to fat, hair and scales. The Lackeby Drum Screen has proven the effective reliable and consistent ability to separate solids from waste / processed water. Please click on the photos below to follow the links to the you-tube videos of these applications (kindly note that you need internet access).

Fisheries



Beef Abattoir



Press play to follow the link to YouTube Video

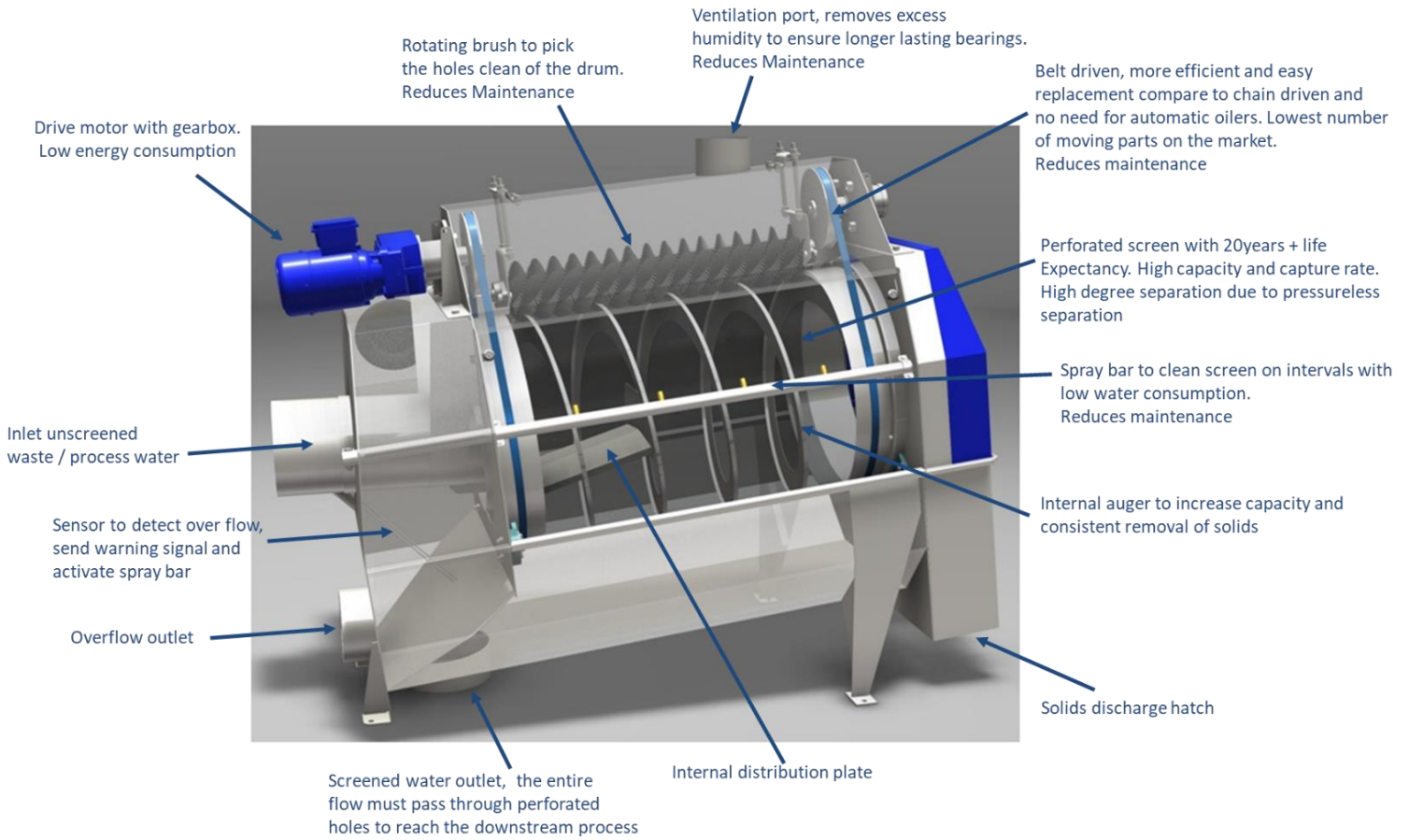
Chicken Abattoir



Beef Abattoir Manure

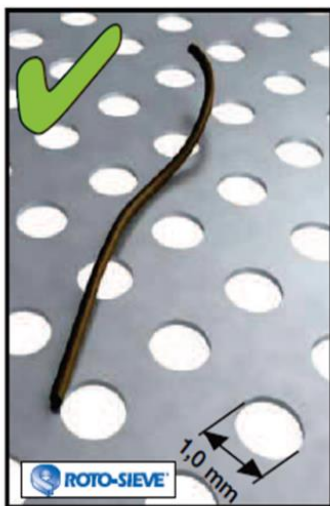


The advantages of Lackeby Drum Screen is best illustrated below.

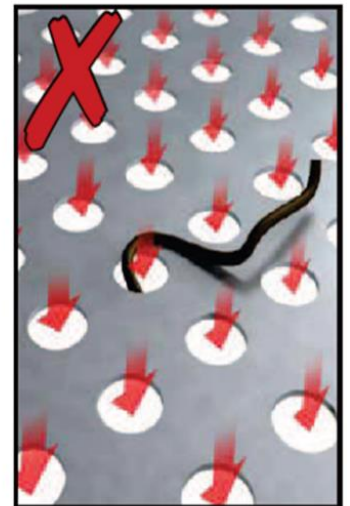
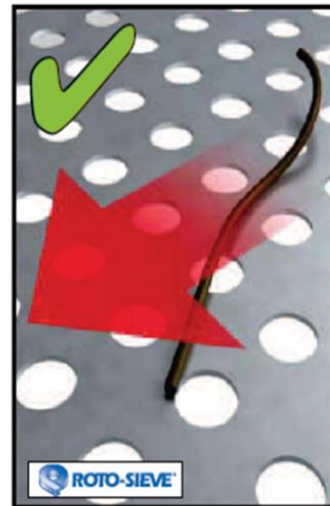


Fiber Removal

Roto-Sieve® perforated drum compared to slotted drum



Roto-Sieve® compared to channel screen



Industrial applications

- Poultry, meat, and fish processing
- Fruit and vegetable processing
- Pulp and paper
- Beverage (beer, wine, juice, etc.)
- Dairy
- Fiberglass
- Recycling (plastic and metal)
- Biogas sludge screening

Water and wastewater applications

- Primary screening
- Fine screening prior to membranes
- Septic screening
- Sludge screening
- Sludge thickening
- Reject water screening

High performance

- High degree of separation due to perforated drum and pressureless separation.
- No need for upstream screening before the drum screen.
- No sealed openings or internal moving parts that can result in material passing through. The entire flow must pass through a perforated hole to reach the downstream process.
- High capacity and high capture rate with a small footprint.

Low costs

- The lifetime of screen is normally more than 20 years.
- Low degree of maintenance due to self-cleaning design.
- Few moving wear parts which are accessible without cranes or any other lifting devices.
- Low energy consumption.
- Low spray-water consumption assures substantial savings in water costs compared to competing products.

Design simplicities

- The lowest number of moving parts of any drum screen on the market today.
- The advanced carbon fiber polychain drive system eliminates the need for trunnion wheels. This significantly lowers required maintenance and improves reliability.
- No chains of any kind results in less maintenance issues. No need for automatic oilers.
- Easy access for full visual inspection thanks to lightweight fiberglass covers.

| | RS11 | RS22 | RS24 | RS36 | RS48 | RS412 | RS416 |
|------------------|----------|----------|----------|----------|----------|----------|----------|
| Max capacity l/s | 9 | 32 | 95 | 135 | 207 | 290 | 435 |
| Perforation | 0,6-10,0 | 0,6-10,0 | 0,8-10,0 | 0,8-10,0 | 0,8-10,0 | 1,0-10,0 | 1,0-10,0 |

Kind regards,

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