



SHS Series Sidehill Static Screens



The simplicity of Sidehill Screens make them an excellent choice for static dewatering screen applications. With no motors or moving parts, the Sidehill Screen lets gravity do the work as effluent flows down the screening media.

The SHS Series Static Sidehill Screen elements are wedgewire with slots ranging from 0.010 to 0.125 inches (250 to 3200 microns) oriented horizontally across the direction of flow. The screen decks are positioned at a steeply sloped angle providing an effective stripping of liquid and allowing the solids to slide. These are typically used when the solids are easily separated from the liquid and where the separated solids slide easily.

Method of Operation

Wastewater or slurry enters a headbox where hydraulic turbulence keeps solids in suspension. The wastewater overflows a distribution weir onto a steeply sloped ramp orienting the flow tangentially onto the screen surface. The liquid passes through the openings in the wedgewire to a drainage pan. The solids slide down the surface of the screen to the discharge lip.

Features

Simple but Proven Design

- Efficiently separates solids from liquids
- Slot feed design prevents plugging

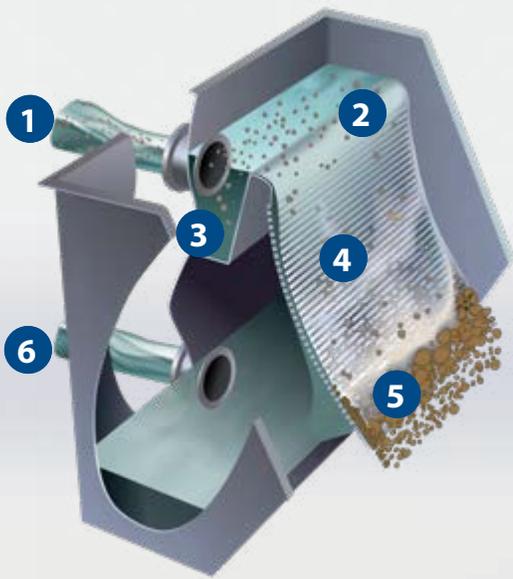
Economical

- Easy installation
- No moving parts to wear out

Applications

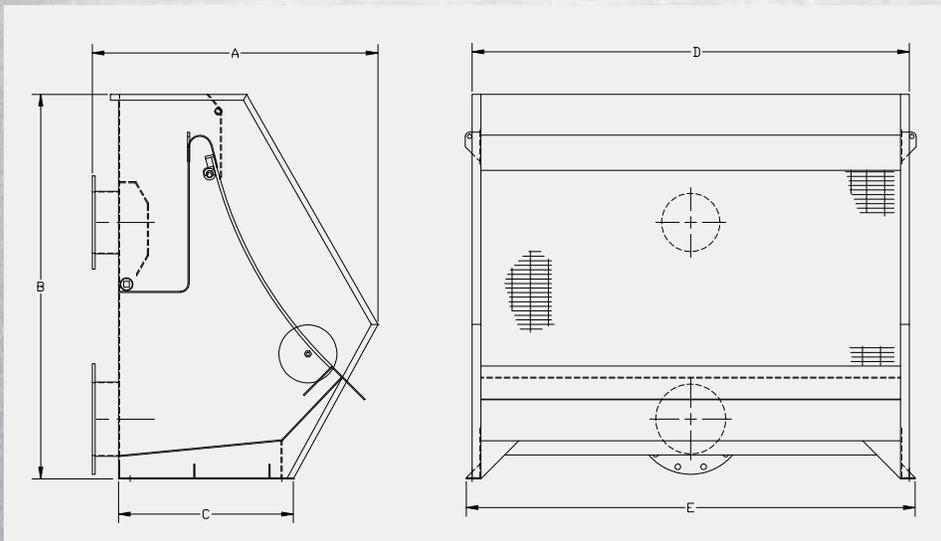
- Municipal primary sewage
- Poultry feather
- Meat processing - stock water / pen wash down
- Vegetable & fruit
- Brewery - spent grains / bottle wash
- Mineral - coal wash / lime particulate
- Forestry - white water / chip wash water
- pulp thickening / rejects





Static Sidehill Screen Operation

1. Wastewater
2. Flow distribution baffle
3. Headbox
4. Sidehill wedgewire screen
5. Separated solids
6. Filtrate



Standard Construction

- 304 stainless steel construction
- Housing in 3/16" (4.76 mm) thick plate
- Wedgewire screen
- Deck with an adjustment range of 5%

Options

- 316 stainless steel or alloy 20 construction
- Enclosure (cover)
- Solids discharge chute
- Rear-oscillating or front-traveling spray bar

| SHS Model | Standard Dimensions - inches (mm) | | | | | Approximate Net Weight - lbs (kg) |
|-----------|-----------------------------------|-----------|----------|------------|------------|-----------------------------------|
| | A | B | C | D | E | |
| SHS12 | 49 (1245) | 66 (1676) | 30 (762) | 15 (381) | 17 (432) | 400 (181) |
| SHS18 | 49 (1245) | 66 (1676) | 30 (762) | 21 (533) | 23 (584) | 550 (250) |
| SHS24 | 49 (1245) | 66 (1676) | 30 (762) | 27 (686) | 29 (737) | 780 (354) |
| SHS36 | 49 (1245) | 66 (1676) | 30 (762) | 39 (991) | 41 (1041) | 950 (431) |
| SHS48 | 49 (1245) | 66 (1676) | 30 (762) | 51 (1295) | 53 (1346) | 1050 (476) |
| SHS60 | 49 (1245) | 66 (1676) | 30 (762) | 63 (1600) | 65 (1651) | 1250 (567) |
| SHS72 | 49 (1245) | 66 (1676) | 30 (762) | 75 (1905) | 77 (1956) | 1420 (644) |
| SHS84 | 49 (1245) | 66 (1676) | 30 (762) | 87 (2210) | 89 (2261) | 1600 (726) |
| SHS96 | 49 (1245) | 66 (1676) | 30 (762) | 99 (2515) | 101 (2565) | 1675 (760) |
| SHS120 | 49 (1245) | 66 (1676) | 30 (762) | 123 (3124) | 125 (3175) | 2500 (1134) |

MODEL CODE

Models
 SHB Single housing containing multiple decks
 SHL 54" long extended screen deck
 SHS 42" long standard screen deck
 SHM 38" or shorter, mini screen deck
 SHP Pressure fed

SHX XX XX

Screen Width
 Inches 12" to 120"
 (305-3480 mm)

Screen Length
 3 different length available

This chart is only to be used as a guide. For specific sizing inquiries please contact JWC Environmental.



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