IN-CHANNEL SCREW SCREENS RSU

Screw Screens for Mechanical solids/liquids separation with high content of solids

MACHINE DESCRIPTION
R.E.M. range of screw screens for solids/liquids separation is a broad and vast selection where units for every application can be found. RSU Screw screens are multipurpose units capable to screen and convey the screenings.

WORKING LOGIC FOR SCREW SCREENS RSU
REM RSU screw screens are generally installed in industrial applications as they allow to have a single unit performing the whole process. RSU screens feature a high conveying rate of solids. Screw screens are made of the following sections:
- Screen
- Transport section (trough)
- Drive
- Support

Screw screens are successfully installed for the following applications:
- Industrial effluent treatment
- Industrial process applications (i.e. vegetable screenings, entrails screenings, etc.).

MAIN FEATURES FOR SCREW SCREENS RSU
1. Screen frame available with perforated or wedge wire screen aperture in various sizes-

GENERAL DIMENSION DATA FOR SCREW SCREENS RSU
Here we provide some information of a technical nature for this type of screens:

- Filtration with screens of size ranges from 250 microns (wedge-wire) to 12 mm (perforated).
- Models suitable for channels from 300 to 900 mm wide.
- Removal and conveying of screenings to the discharge point with a single drive.
- Washing of screenings performed by the REMSPRAY integrated system using 3 independent washing cycles.

The main advantages are:

- reduced installation costs.
- high capture and removal of solids (52% tested).
- nuisance and leachate reduction.
- reduced handling and disposal costs.

R.E.M. RSU screw screens can be equipped with the following accessories:

- vertical discharge.
- bagging (single or endless bag type).
- heat and weather protection.
- centralized solenoid valves and piping.
- control cabinet.
- ATEX or UL NEMA 7 EX-proof version.
STANDARD DIMENSION DATA FOR SCREW SCREENS RSU

Here we provide some information of a technical nature for this type of screens.

FLOW RATES m$^3$/h

<table>
<thead>
<tr>
<th>RSU MODELS</th>
<th>PERFORATED PLATE SCREEN - mm</th>
<th>RSU MODELS</th>
<th>WEDGE WIRE SCREEN - mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>RSU400</td>
<td>198</td>
<td>234</td>
<td>270</td>
</tr>
<tr>
<td>RSU500</td>
<td>324</td>
<td>378</td>
<td>414</td>
</tr>
<tr>
<td>RSU600</td>
<td>432</td>
<td>504</td>
<td>576</td>
</tr>
<tr>
<td>RSU700</td>
<td>756</td>
<td>900</td>
<td>972</td>
</tr>
</tbody>
</table>

Materials of construction for fabricated parts:
*Stainless Steel AISI304 / *Stainless Steel AISI316

Materials of construction of spiral:
*Stainless Steel AISI304 / *Stainless Steel AISI316 / *High resistance steel HRS

INCLINATION: min. 30° - max. 45°

n.b.: the manufacturer may modify some dimensions or sizes without prior information