

OR-TEC SCREW SCREEN COMPACTOR

In Channel, Vertical & In Tank Series

The OR-TEC Screw Screen Compactor screens, compacts, washes and lifts screenings to a convenient height for discharge. The unit is provided with screen aperture sizes ranging from 0.25 to 7 mm depending on the application. The unit is suitable for In Channel applications, Vertical applications or In tank for flange connection.

Units are available without compactor where screening only is required

Construction material

Stainless Steel AISI 304 or AISI 316

The screw can be constructed of AISI 304 or AISI 316 stainless steel or epoxy coated hardened carbon steel



Capacity

Up to 10 mgd with a single unit depending on model, size and wastestream

Screen Sizing

0.25 to 7mm

Inclined Angle

35 deg. to Vertical



Features

- In Channel installation (OSC)
- Vertical installation (OSC-V)
- In Tank installation (OSC-T)
- High Solids Application (OHS)
- Rotating Drum Channel (ORD-C)
- Rotating Drum Tank (ORD-T)
- Self cleaning screen
- Wash station in compactor zone
- Optional wash stations in screening & conveying zone
- Stainless steel liner bars increase time between replacements
- Available with heat tracing and insulation and hazardous location

Applications

- WWTP Headworks
- Food Processing and Packaging
- Paper Mills
- Industrial Materials

14500 Industrial Ave. South
Maple Heights, OH 44137
P: 216-475-5225
F: 216-475-5229
info@or-tec.com

or-tec.com



OR-TEC SCREW SCREEN COMPACTOR

Flowrates for OSC Channel, OSC Vertical and OSC Tank

Screen Size mm*	OSC 2 GPM	OSC 3 GPM	OSC 4 GPM	OSC 5 GPM	OSC 6 GPM	OSC 7 GPM
7	790	880	1615	2110	2945	4705
6 (1/4")	680	790	1215	1870	2690	4530
3 (1/8")	440	550	790	1425	2055	3300
2	175	220	330	705	925	1495
1	220	395	570	1185	1580	2330
0.5	195	260	395	855	1230	1625
0.25	85	150	240	570	880	1275
Max level before screen	15.5"	17"	18"	22"	26.5"	31.5"

** 2mm to 7mm is perforated screen 0.25 mm to 1mm is wedgewire screen*

Influent	Coefficient*
Typical Municipal (200-500mg/l)	1
Typical Municipal with storm water	1.3
Food and Beverage Processor	0.7
Tannery or Textile	0.6
Slaughterhouse	0.5

**Multiply flowrate by coefficient for specific application capacity*

or-tec.com