



High Performance Conveying and Dewatering for Continuous or Batch Operations.

The CPS Screw Compactor is a low maintenance, high reliability conveying compactor for municipal and industrial applications. The key to achieving 40% reduction in screenings volume is the outlet plug retention diaphragm made of SINT® engineered polymer. The retention diaphragm comes in different degrees of stiffness depending on the material being dewatered.

The compaction zone is equipped with a patented self-cleaning drainage screen also made of SINT material. This non-stick polymer and a shaftless screw keep the solids moving toward discharge even as the diaphragm provides back pressure. Liquid is discharged through the holes in the drainage screen and captured by the SINT collection box.

The shaftless screw has no intermediate hanger bearings to snag solids. This screw compactor has been engineered to be a self-cleaning machine which means low maintenance.

Advantages

- Conveying and compacting in one machine.
- 40% reduction in screenings volume.
- Maintenance-friendly modular design.
- Fully enclosed, odor free.
- Low noise level.
- Low energy consumption.





Technical Features

- Structure made from 304 / 316 SS.
- A highly wear-resistant, extra heavy-duty mild steel spiral (or 304 / 316 SS).
- Available with HDPE high-density, low friction polymer trough liner or wear bars.
- No outlet or intermediate hanger bearings.
- Self-cleaning SINT® drainage screen.
- SINT® outlet plug retention diaphragm.
- Optional bagger assembly available.

