





SCREW CONVEYOR & COMPACTOR

This equipment is mainly dedicated to the treatment of screening waste, sludge and sand/grit as part of the treatment of urban or industrial wastewater.

SHAFTLESS SCREW CONVEYOR

- The shaftless screw made of special steel is installed in a U-shaped trough, made of successive folded plates of 304L stainless steel in its standard version.
- The absence of a shaft and intermediate stages practically eliminates any risk of clogging.
- Entirely covered, this equipment is secure, odourless and clean. The trough is protected from wear and tear by PEHD, stainless steel or Hardox strips.
- In each case, the gear motor can either push or pull. The screw conveyor can be installed both indoors and out, and has a large number of discharge options.





BENEFITS

- ✓ Robustness
- ✓ Reduced maintenance (few wearing parts) and low initial investment
- ✓ Limited clogging risk
- ✓ Odourless and clean
- ✓ Not affected by fibrous materials
- ✓ Long lengths possible
- ✓ Angle up to 30°
- ✓ Wearing material suited to the product (waste, sand, etc.)

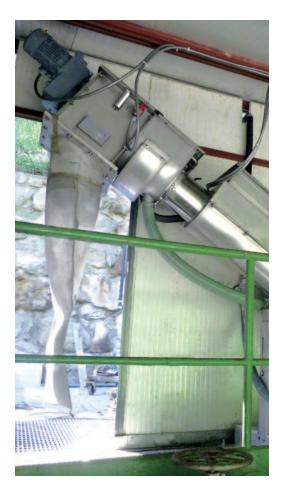




SHAFTLESS SCREW COMPACTOR

- The screw compactor is composed of a drainage area, a transport area and finally a dewatering/compacting area.
- The waste is transported to the compacting area via a stainless steel shaftless screw. The press housing, the wringing unit and the conveyor tubes are made of 304L stainless steel for the standard version.
- The trough is protected from wear and tear by PEHD or stainless steel strips.
- The waste is dewatered according to the length of the plug and the pressure exerted by the adjustable outlet valve, by means of a counterweight.
 The expressed liquor is evacuated via a drain.





- In order to avoid stagnation of the liquors in the screw trough, the screw should be installed at a slight slope (2 or 3°).
- The longest possible trough is 6 linear metres for a slope of 20°.
- R&O also offers a bagging system. The plastic bags are 90 m-long endless bags or filter bags.

BENEFITS

- ✓ Robustness
- Reduced maintenance (few wearing parts) and low initial investment
- Limited clogging risk
- Odourless and clean
- ✓ Not affected by fibrous materials
- ✓ Throughput: from 2 13 m³/h
- Efficient rinsing of the strainer



