

# 04.2



CONVEYORS AND  
COMPACTORS

## COMPACTOR SCREW



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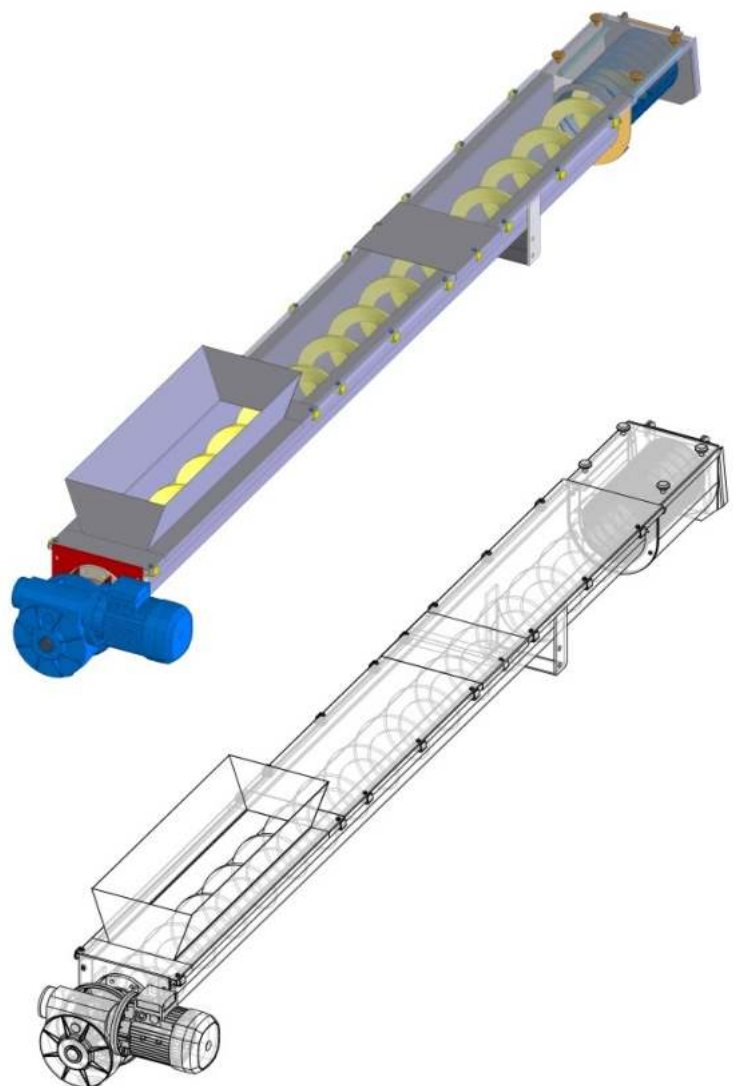
# COMPACTOR SCREW

### WHAT ABOUT

The DET53T CONVEYOR SCREW is a specially designed unit to transport solid waste blocked by the Automatic Screens, Filtering Sieves, Rotating Sieves, etc.

The conveyor screw has the advantage that the solids caught in the loading hopper can be from very diverse origins (slurry, viscous, fibrous, sandy, etc.), thus they are appropriate for many different applications:

- Urban and waste water treatment plants.
- Collectors and pumping stations.
- Paper industry.
- Chemical industry.
- Agriculture.
- Food industry.
- Etc.



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### DRIVE UNIT

This consists of a geared motor with a hollow output shaft working directly on the main shaft. At the end of this, there is a flange to couple onto the end of the auger.

### TRANSPORTER CHANNEL

Made from stainless steel (Aisi 304 & 316). This is where the transporter screw is housed, producing the solid waste during transit. The upper section is sealed by bolted lids; these can be dismantled to facilitate the inspection and cleaning of the unit. At the ends there are legs for anchorage and support; these can be designed for the unit to work at an angle. It also has an outlet pipe to drain off liquids.

### ANTI-WEAR COVERING

Between the channel and the transporter screw there is a covering comprised of a layer of high density polyethylene which lubricates the spinning auger and protects against wear.

### SCREW

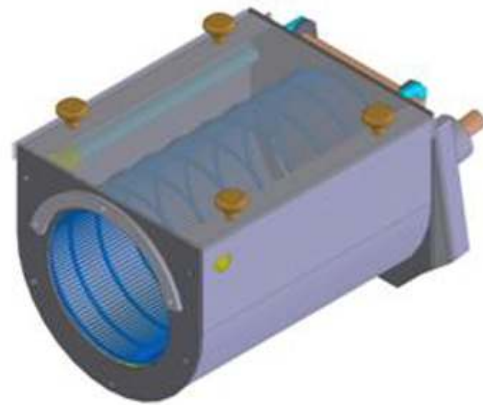
This can be made from carbon or stainless steel. It is an Archimedes-type spiral made from coreless curved plate (hollow shaft).

### LOADING HOPPER

This is the solids removal hopper located above the auger compactor channel. Made from stainless steel, it can be designed and built according to client needs.

### COMPACTING CHAMBER

It is bolted on after the transporter channel and has a special filter cylinder made from stainless steel. At the bottom of the outlet, there is a cover from a counterweight system which permits the degree of compacting to be controlled.



DIMENSIONS			
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