



# Grit screw conveyor



*Good Ideas  
bring Success!*





## FSM – Grit Screw conveyor

...meets the most demanding specifications

FSM screw conveyors are used to convey solid matter. The conveyor screw can be constructed with or without a shaft.

Applications range from municipal sewage plants to industrial applications in the food and paper industries, waste disposal plants etc. FSM screw conveyors provide **high performance coupled with low operating costs**. The conveyors can also be used in reception stations for street sweepings and sewer grit, where they can be directly fed via suction vehicles or similar.

### Function:

The Grit screw conveyor can be directly installed in a concrete tank or a stainless steel tank. The conveyed material is then carried to the discharge point like a pump sump or a classifier. For longer screws with shaft is there are intermediate bearings to get no contact between the screw and the trough. The result of this is that the abrasion is very low. For shaftless screws there is an inlay to protect the trough. The resistance of abrasion for the inlay is very high. The Gear box is installed outside the tank.

### Features:

- High reliability through robust construction
- Charging to customer specification
- A conveying distance of 20 m can be achieved with one conveyor
- Excellent cost/performance ratio
- Conveyor screw with central shaft results in negligible wear (service life of more than 10 years possible)
- Low maintenance costs
- The FSM screw conveyor has proved itself in practice at home and abroad





### Dimensions:

- diameter 250mm / 300mm / 400mm / 500mm
- length larger sizes and intermediate sizes on request
- throughput up to 20 m to suit

### Material / makes:

- machine frame stainless steel SS 304 or 316
- conveyor screw stainless steel SS 304 or 316
- drives worm geared motors, make SEW

### Applications in municipal and industrial clarification plant

for conveying

- grit or other things in a concrete or stainless steel tank

### Industrial applications

- conveying materials in a concrete or stainless steel tank





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