

SLUDGE
MANAGEMENT



ENVIROCONVEY

SHAFTLESS SCREW CONVEYOR



CONVEYORS FOR DIFFICULT
AND NON HOMOGENEOUS
PRODUCTS IN SEWAGE
TREATMENT PLANTS AND
INDUSTRIAL APPLICATIONS,
INCLUDING FOOD INDUSTRY

 Envirosludge

DESCRIPTION / OPERATION

The shaftless screw conveyors Enviroscrew are designed for transferring difficult and non homogeneous products.

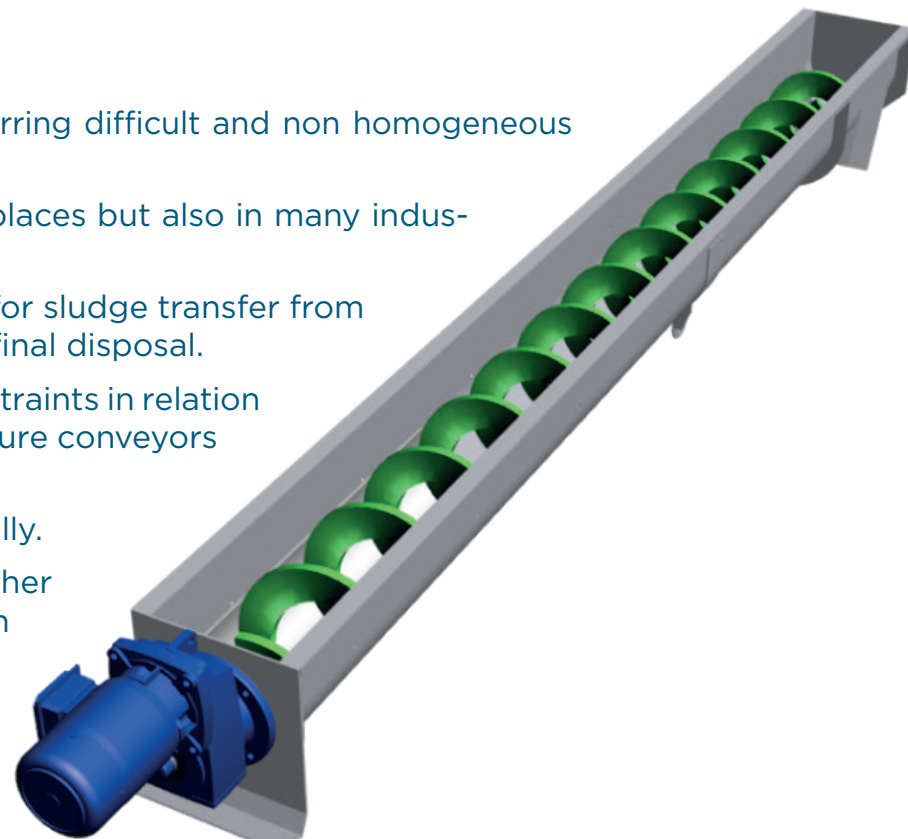
They are commonly used in sewage treatment plants at different places but also in many industrial applications such as food industry for example.

Frequently installed together with all kind of inlet screens but also for sludge transfer from all kind of dewatering equipment towards storage systems before final disposal.

The shaftless design allows to overcome most of the conveying constraints in relation to difficult products. Such technology gives possibility to manufacture conveyors in one piece up to 30 meters.

The shaftless screw conveyors Enviroscrew may be installed vertically.

Such configuration opens possibilities to transfer products to further treatments positionned at upper floors, or to reach higher level in confined areas.



TROUGH

The shaftless screw conveyors Enviroscrew include closed trough with «U» shape insuring CIP (Clean In Place) conditions with odours limitation.

SCREW

The shaftless screw is manufactured in special hard steel and lay on a PEHD protection. Rotation speed is set according to each application. The screw is maintained in its axis thanks to the trough shape.

OUTLETS

The design of the outlet is adapted to each site configuration. Multiple outlets can be included in the same conveyor.

MATERIAL

Construction in stainless steel 304L or 316L

Screw in special steel high resistance

PERFORMANCES

Models	Flow rates (m³/h)					
	SPI 200	SPI 250	SPI 300	SPI 350	SPI 400	SPI 500
Solid screening waste	1,3	3,1	5	7,7	11	19
Dewatered sludges	2,6	6,2	10	15	22	38

Flow can be adjusted with rotation speed

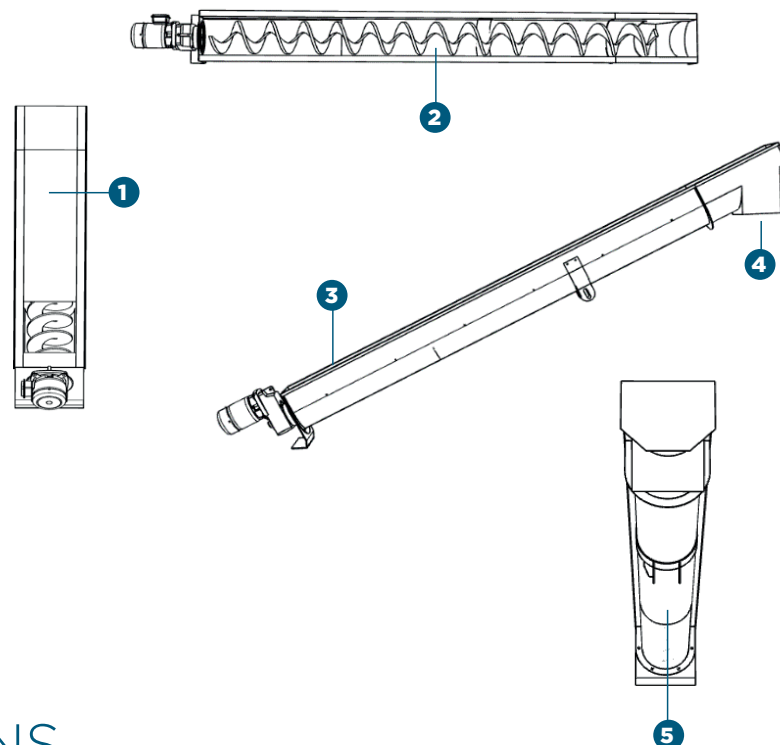
Possibility to regulate with an external frequency converter or integrated to the drive

SPECIFICITIES

- Closed system
- No clogging situation
- Modularity
- Easy maintenance
- Low maintenance costs
- Reliability and durability

LAY-OUT

- 1 Covers
- 2 Shaftless screw
- 3 Product inlet
- 4 Product outlet
- 5 Trough diameter



DIMENSIONS

Models	Overall dimensions in mm					
	SPI 200	SPI 250	SPI 300	SPI 350	SPI 400	SPI 500
Length	Length up to 30 meters upon models and applications					
Trough diameter	220	280	330	380	440	520
Screw diameter	180	240	290	330	380	450
Trough height	250	310	360	400	470	550

A STEP AHEAD IN WATER TECHNOLOGY

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