

SLUDGE  
MANAGEMENT



# ENVIRODUO

MULTIPLE SCREWS CONVEYOR/EXTRACTOR

DIFFICULT PRODUCTS/SEWAGE  
TREATMENT SLUDGE  
SUITED FOR THE RECOVERY OF  
SLUDGE UNDER PRESS FILTERS

The logo for Envirosludge, featuring a stylized blue icon of a water drop with a grid pattern inside, followed by the text 'Envirosludge' in a blue sans-serif font.

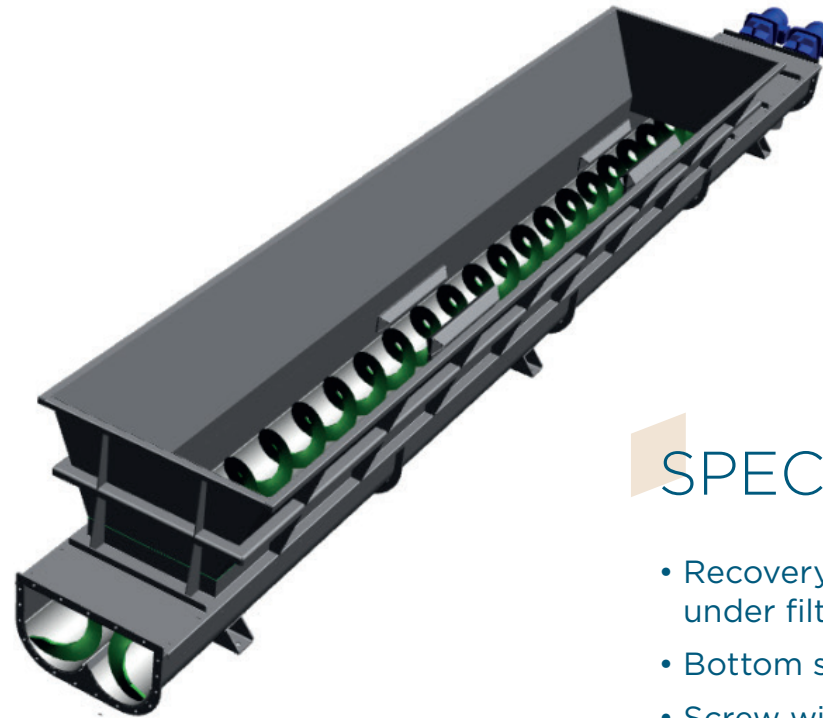
Envirosludge

## DESCRIPTION / OPERATION

The Enviroduo conveying and extracting unit is designed for difficult products such as sewage sludge.

Enviroduo double screws are commonly used for the recovery of sludge under filter press. This solution offers a large width in order to recover sludge cakes while preserving the height thanks to the use of screws of smaller diameters. The cakes break during their transfer and even better when using the option of notched screws (screw with axis). This is favorable for the proper operation of conveyors installed downwards.

Multi-screw technology is also used for the recovery of sludge stored in silo (Enviromulti).



## SPECIFICITIES

- Recovery of sludge under filter press
- Bottom silo extraction
- Screw with shaft and without
- Variable pitches
- Reliability and durability

### TROUGH

For shaftless screws, the troughs are U-shaped and serve as a guide.  
For screws with axis, a flat bottom trough solution is generally used.

### SCREW

The shaftless screws are laying on HDPE lining and are guided by the shape of the trough which keeps them in their axis. This is generally the solution chosen for screw extractors.  
The screws with axis are guided by bearings at the ends and intermediate bearings according to their length. This solution is well adapted in particular with notched screws.

### DISCHARGE

The shape of the discharge case is modular according to the configuration of the implantation and according to the equipment chosen further for the transfer of the sludge.

## MATERIAL

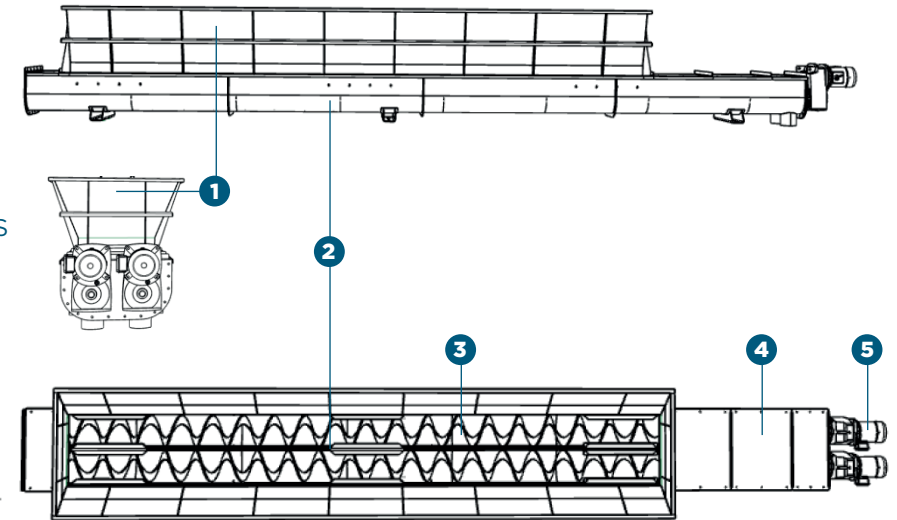
Construction in stainless steel 304L or 316L  
Screw in special steel high resistance or stainless steel 304L or 316L

## PERFORMANCES

Models	Flow rates(m <sup>3</sup> /h)					
	MTS 200	MTS 250	MTS 300	MTS 350	MTS 400	MTS 500
Dewatered sludge	Up to 100 m <sup>3</sup> /h depending on diameter, screw technology, rotation speed and other design criteria					

## LAY-OUT

- 1 Trough
- 2 Conveyor MULTISPIR MTS
- 3 Double screw
- 4 Covers
- 5 Motorisations



## DIMENSIONS

Models	Overall dimensions in mm					
	MTS 200	MTS 250	MTS 300	MTS 350	MTS 400	MTS 500
Dimensions	Design and manufacturing on demand					

A STEP AHEAD IN WATER TECHNOLOGY

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