

SLUDGE
MANAGEMENT



ENVIROMULTI

STORAGE AND EXTRACTION SILO

MULTIPLE SCREWS EXTRACTOR



 Envirosludge

DESCRIPTION / OPERATION

The Enviromulti storage and extraction silo is designed for difficult products such as sewage sludge.

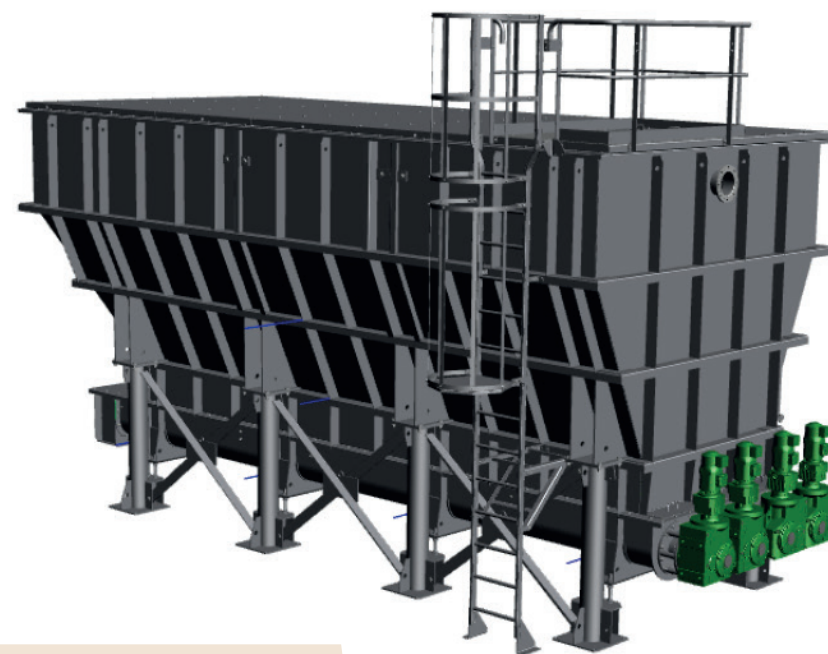
Enviromulti extractors consisting of several screws form a moving bed at the bottom of the tank. Thanks to the rotational movement, but also by the variation of the pitches and directions of rotation given to each of the screws, the sludge collapses in the threads and is directed towards the discharge box.

The management of rotational speeds by variable speed drive associated with the partial or total use of the screws makes possible the regulation of the extraction flow rate.

Multi-screw technology is also used for the recovery of sludge under filter press (Enviroduo).

SPECIFICITIES

- Sludge storage
- Bottom extraction
- Screw with shaft and without
- Screw variable pitch
- 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.

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. This version is also used for the recovery of sludge under filter press (Enviroduo).

MATERIAL

Construction in stainless steel 304L or 316L

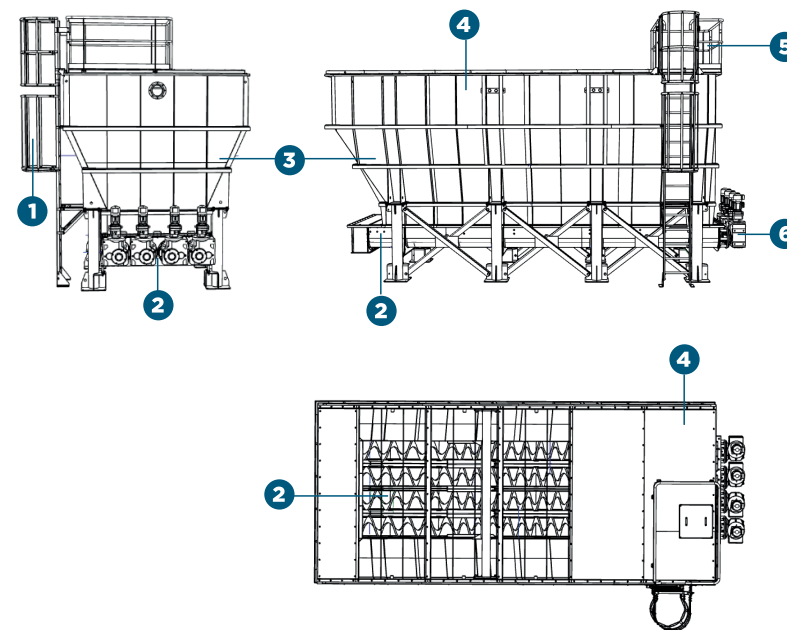
Screw in special steel high resistance or stainless steel 304L or 316

PERFORMANCES

Models	Flow rates(m ³ /h)					
	MTX 200	MTX 250	MTX 300	MTX 350	MTX 400	MTX 500
Dewatered sludge	Up to 100 m ³ /h depending on diameter, number of screws, rotation speed and other design criteria					

LAY-OUT

- 1 Crinoline ladder
- 2 Extractor MULTISPIR MTX
- 3 Silo
- 4 Covers
- 5 Guard rails
- 6 Motorisations



DIMENSIONS

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

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