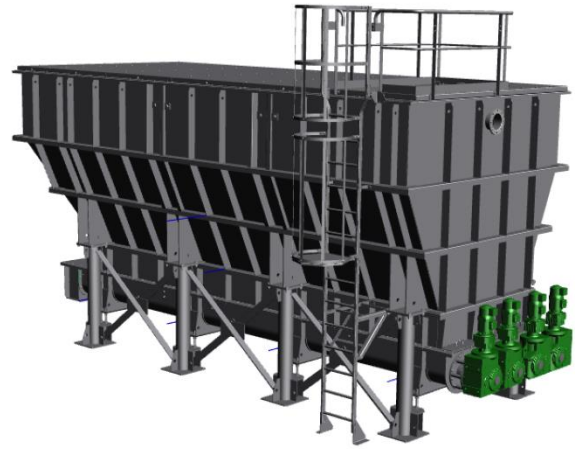


## SILO WITH MULTIPLE SCREWS EXTRACTOR

### SPECIFICITIES

- > Sludge storage
- > Bottom extraction
- > Shaftless screw
- > Screw variable pitch
- > Reliability and durability



### DESCRIPTION /OPERATION

The MULTISPIR/X storage and extraction silo is designed for difficult products such as sewage sludge.

MULTISPIR 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 (MULTISPIR /S).

#### ○ 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 (MULTISPIR/S).

# TECHNICAL DATA

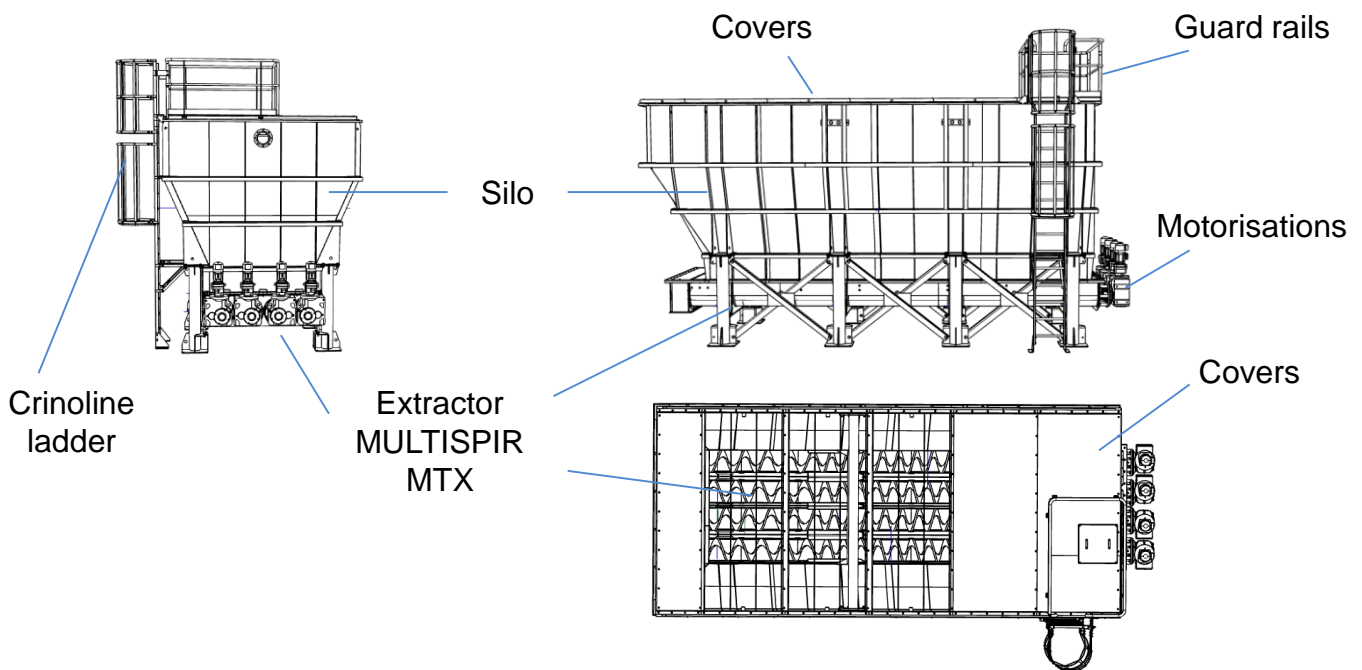
## MATERIAL

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

## PERFORMANCES

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

## LAY-OUT AND DIMENSIONS



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

The manufacturer reserves the right to make technical and manufacturing modifications without prior notice.  
Not all installation possibilities and combinations are indicated. Please consult us.