Zickert™ Z2000

The Continuous, Low Profile Bottom Sludge Scraper.

Product Profile
The Z2000 is a bottom sludge scraper specially designed for continuous transportation of sludge.

Advantages
- Low profile enabling sedimentation tanks to be covered for odour control.
- Scraper mechanism 100% stainless steel.
- High operational reliability.
- Simple to install.
- No adaptation needed for most tanks and bottoms.
- Continuous sludge transportation.
- No interruption of sedimentation process.
- Adjustable scraper speeds.
- Integral sludge thickening.
- Can be used in conjunction with the Z3900 surface scraper.

Applications
- New wastewater treatment plants.
- Retrofit to existing treatment works.
- Water purification plants.
- Industrial process wastewater treatment plants.
- Suitable for use in combination with Lamella™ systems or in flotation tanks.

Technical Specification
- Dimensions:
  - Maximum length = 80 m.
  - Maximum width = 13 m.
  - Maximum surface area = 700 m².
- Multiple units can be installed in parallel in larger tanks.
- Material: Stainless steel ASTM 304 or acid-resistant ASTM 316.

How it works
1) The concave faces of the wedges move the blanket of sludge from the underside.
2) During their return movement the wedges slide their way under the blanket so as not to interrupt the sedimentation process, moving approximately twice as fast as during their forward movement.
3) Where the sludge has a low total solids content that no blanket is formed on the bottom of the tank, so that the scraper creates a constant flow of sludge towards the sludge pit, thickening it as it does so.
4) The stroke length is always longer than the gap between sections.

Maintenance
In addition to the supply of new equipment, Hydro International’s expert service teams provide plant condition assessment and planned maintenance programmes for our wide range of water and wastewater treatment equipment through tailored Service Agreements to meet the needs of each site. Hydro International maintains a comprehensive and well-managed store of spares for all its equipment. Hydro International’s customers can be assured of speedy delivery of plant, helping to reduce the time our customers need to spend sourcing replacement parts.

To enable wastewater and water treatment operators to avoid interruption to their processes during planned downtime, Hydro International offers a full equipment hire service for a wide range of primary, secondary and tertiary treatment plant, which can be operated on a stand-alone basis or integrated with existing equipment.

Hydro International are the UK and Ireland distributor of Zickert, a trade mark by Nordic Water Products AB, Sweden.

Hydro International. Kiln Lane, Prickwillow Road, Ely, Cambridgeshire, CB7 4TX
Tel: 01353 645700   Fax: 01353 645702
Email: enquiries@hydro-int.com   Web: www.hydro-int.com