



## PWL Helixpresse HXP

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The Economic Solution for Compacting Residuals

- Conveying, dewatering and compacting in one unit
- Variable trough lengths and installation angle
- Small footprint
- DS-content of up to 40 %
- Increasing container capacities, decreasing disposal costs
- Robust towards clogging
- Throughput capacity up to 10 m<sup>3</sup>/h
- Comprehensive application know-how from manifold branches
- Individual choice of material

## Application

Spiral press for dewatering/compacting of residuals and production waste from water and waste treatment processes in industrial and municipal applications.

## Description

Basically, the PWL Helixpresse HXP consists of a conveyor trough incl. a spiral with a unilateral bearing only and a compaction zone being equipped either with a perforated or a wedge wire sieve. Depending on medium, a DS-content up to 40 % can be reached. Such weight reductions of solids allow for savings of disposal charges.

## Function

Via a feeding hopper the material to be dewatered arrives at the trough. By rotation, the spiral inside pushes the medium through the trough to the compaction zone at the end of which it is compacted by a counter pressure device. The water drains off through the sieve basket. A compaction zone flushing is in charge for cleaning the compaction basket. The solids being dewatered to a large extent are discharged at the front of the compaction zone.

## Design

Trough, hopper, compaction basket and drainage device made of stainless steel, spiral of wear-resistant steel S235-J2, wear liner of plastics PE, fittings made of brass.

## Options

- automatic compaction zone flushing
- available for ex-protection zone 2
- control equipment



## Your Benefit

- conveying, dewatering and compacting in one system
- reliable conveying even of long fibres and coarse material
- robust towards peak loads
- sealing of drive shaft optionally via flanged motor plate or adjustable stuffing box
- completely encapsulated system prevents to a large extent from unpleasant odours and dirt
- conveying area in „U“-trough design for easy maintenance
- use of service water possible
- incl. supports, mountable to ceiling, as well

