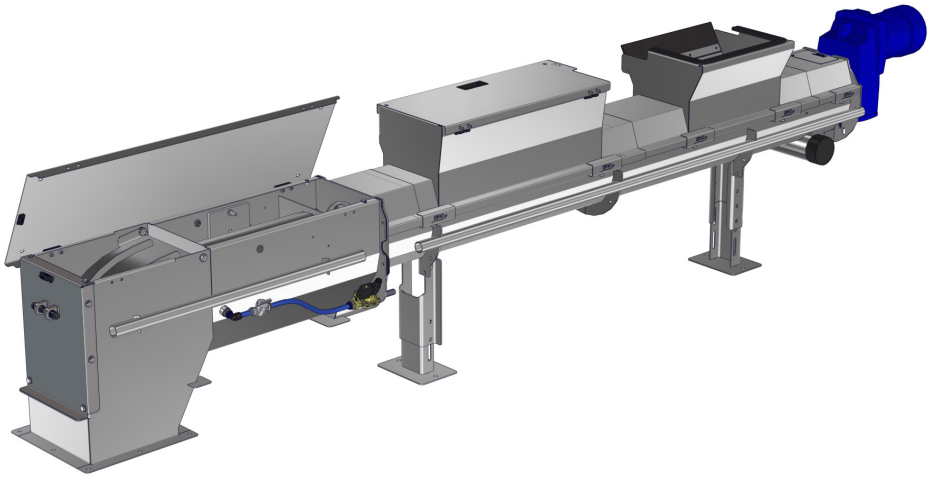
EMO
ENVIRONMENT BY TECHNOLOGY

SCP

Screw compactor

Screw compactors manufactured by EMO are designed for the transport and compacting of waste from screenings.

They can be easily adapted to your existing constraints and are available in an infinite number of versions: horizontal, inclined or rotating screw.



ADVANTAGES

- Full enclosure stainless steel 304L (SS 316L as an option)
- Integrated washing system (cyclical operation)
- Optional frost resistance (thermal insulation of the compacting cell)
- Length upon request : no limit !
- Waste volume reduction after compaction from 40% to 70%
- Compacted waste screenings dryness from 20% to 30%

EMOPRD00750-DPR01-B-EN







Information: the technical data announced are not contractual and may change at any time.

OPERATING PRINCIPLE

The screw conveyor consists in a shaftless and endless screw rotating in a «U» shape trough, lined with a durable material. The screw is driven by a single speed gearmotor.

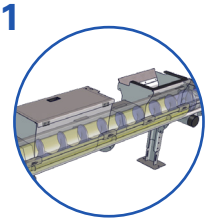
The products to be transported (screenings) fall into a feed hopper, fixed to the upper part of the conveyor. They are then pushed from one point to another by the force exerted by a shaftless screw, itself driven by a gearmotor.

The endless and shaftless screw leads waste to the compacting cell: as they accumulate and clog the cell, the waste is blocked and compacted.

A cyclical wash makes it possible to clean the outside of the cell which becomes clogged more or less quickly, depending on the type of waste. The screw is fitted with a counter weight system at the outlet to compact a little bit more waste.

The compacting cell can be thermally insulated. In this case, the cell is equipped with a heating plate located on the compacting sheet.

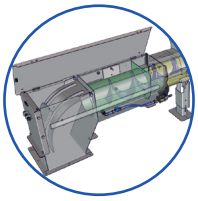
1



Feed hopper

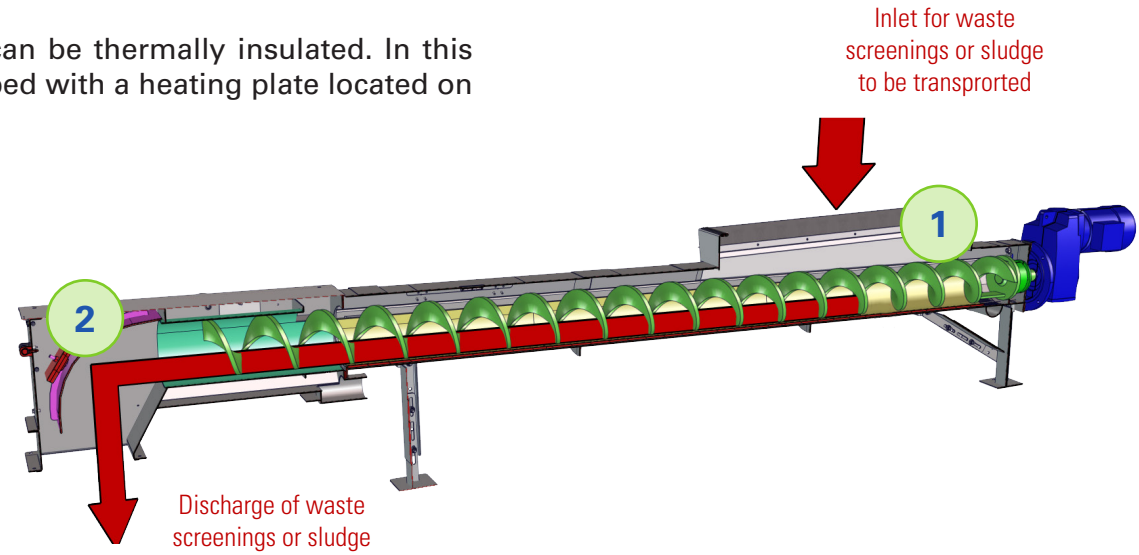
Modular: with grid, cover and opening sensor(s) adpated to upstream equipment

2



Compacting cell

At the screw outlet, equipped with a counterweight system.



RANGE & APPLICATIONS

Description	Dimensions
Type SCP	from 190 to 360
Screw diameter *	from 190 mm to 360 mm
Inclination angle	from 0° to 30°
Capacity for compacting *	from 0,3 to 4 m³/h

* capacity for standard screening and speed rotation of 15 rpm



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