

# Waste Water Treatment

## Screw Compactors WASTECOM™ CPS



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### Description ▼

The WASTECOM™ CPS Screw Compactor consists of a conveyor trough in stainless steel, a shaftless extra-heavy-duty spiral in carbon steel, a compacting and de-watering discharge module, a return duct for squeezed out water, and a drive unit suitable for the application.

### Function ▼

Four functions in one unit:

- 1) Collecting
- 2) Conveying
- 3) Drainage
- 4) Compaction

Designed for intermittent operation, WASTECOM™ CPS Screw Compactors can be employed in various de-watering applications and in combination with different solids-liquid separators or conveyors.



### Application ▼

Usually applied for compacting different solids from waste water treatment or industrial processes (municipal or industrial waste water treatment, food processing, slaughterhouses, rock wool industries, plastics recycling processes, etc.).

### Benefits ▼

- ✓ Volume reduction of screenings up to 40% thanks to patented outlet;
- ✓ Absence of end and intermediate bearing assemblies;
- ✓ No jamming or locking even with fibrous products;
- ✓ Fully enclosed, pollution-free and odour-free;
- ✓ High resistant heavy duty shaftless screw;
- ✓ Self cleaning drainage module in SINT® engineering polymer;
- ✓ Low installation, operation and maintenance costs.

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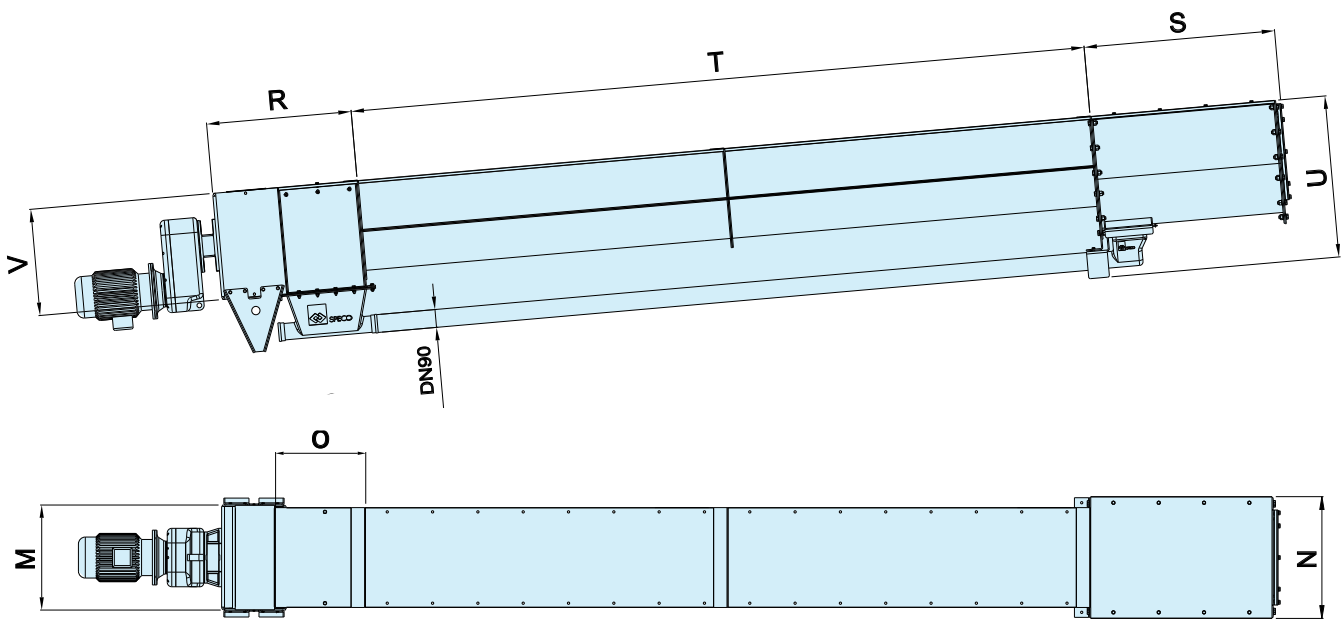
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### Technical Features / Performance ▼

- ▶ Trough and screen in stainless steel (304L or 316L SS)
- ▶ Trough with low friction liner in HDPE or wear bars
- ▶ Highly wear-resistant extra heavy-duty carbon steel screw (304L / 316L SS as an option) with diameters from 200 mm to 400 mm
- ▶ Outlet plug retention diaphragm made from SINT® engineering polymer or counterweight pressor (option)
- ▶ Throughput rates up to 8 m<sup>3</sup>/h

### Overall Dimensions ▼



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MODEL	R	T* min. - max.	S	U	V	M	N	O	α	Troughput Rates (m <sup>3</sup> /h)	kW
CPS 200	490	1,000 - 6,000	530	600	320	327	445	230	5° - 25°	2	1.5
CPS 300	606	2,000 - 8,000	750	757	440	440	545	323	5° - 25°	5	2.2
CPS 400	773	2,000 - 10,000	1,000	909	575	575	663	496	5° - 25°	8	4.0

Dimensions in mm - (\*) pitch 500 mm

*This document has been edited for distribution in European Union countries.*