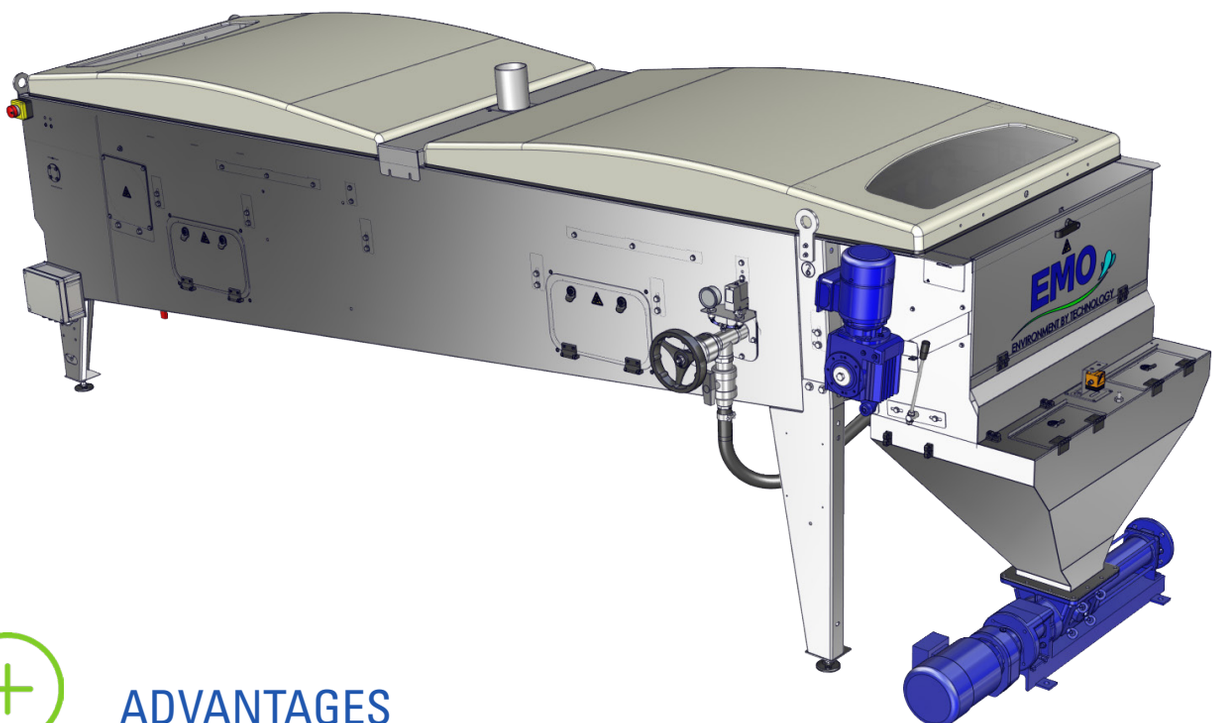
OMEGA LD V2

Gravity Belt Thickener

The Gravity Belt Thickener OMEGA LD V2 is designed for the continuous mechanical thickening of municipal or industrial sludge.
This simple and efficient technology aims at reducing the sludge volume at least 4 times!



ADVANTAGES

- A new design for an optimal sludge treatment
- Easy and low maintenance
- Permanent visual control of the process through lateral inspection hatches
- Safe and ergonomical machine
- Fully covered equipment to allow odourless operation



EMOPRD00203-DPR00-A-EN

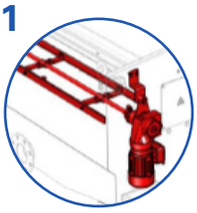
Information: the technical data announced are not contractual and may change at any time.

OPERATING PRINCIPLE

The operation of the Gravity Belt Thickener OMEGA, developed by EMO, relies on three essential steps: flocculation, filtration and pressing.

The thickening process starts with flocculation: a first liquid/solid separation which aims to give structure to the sludge. The flocculated sludge is then poured onto the filtering belt: the water flows freely through the filtering belt while the sludge is led to a final pressing stage. The thickened sludge is then scraped off and discharged.

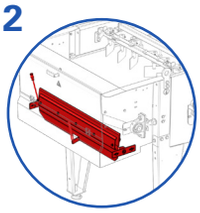
1



Option: integrated agitator

Progressive flocculation time and homogeneous sludge distribution on the filtering belt.

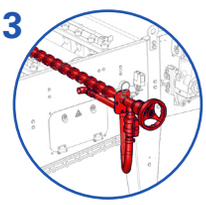
2



HPDE sludge scrapers

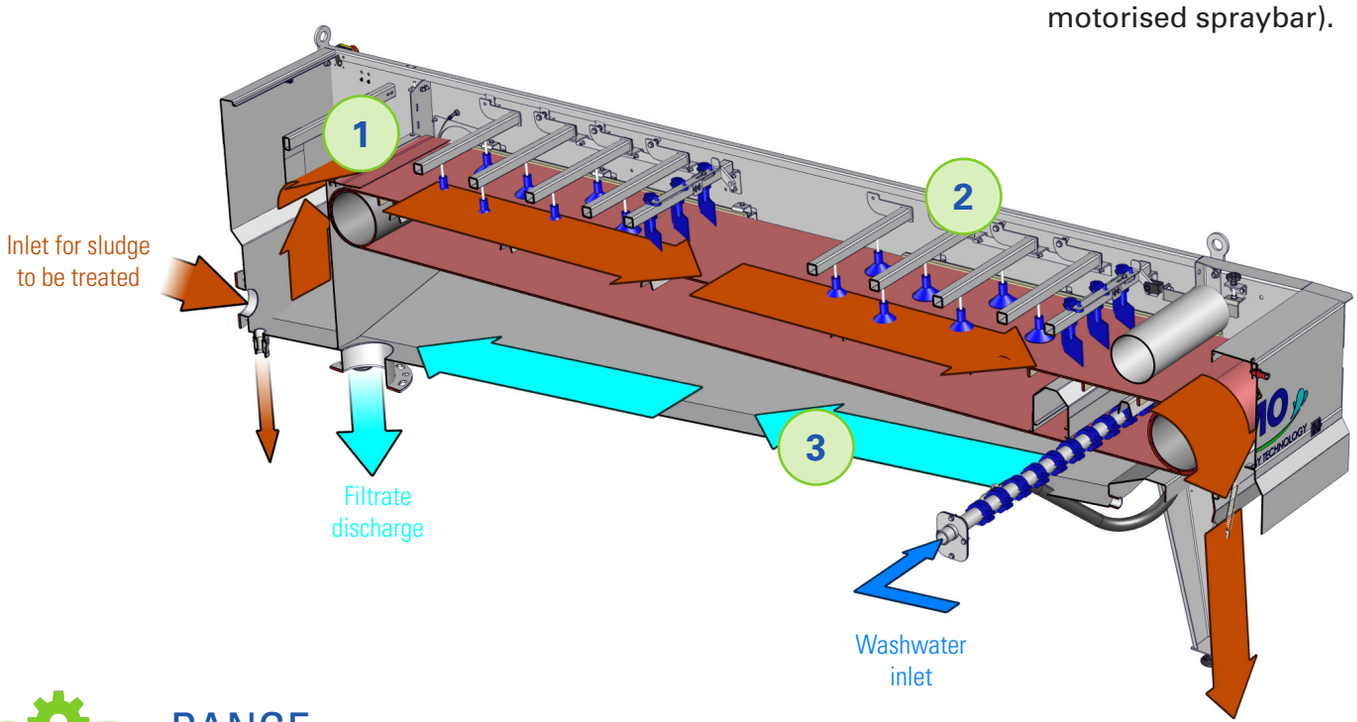
Removable and retractable thickened sludge scrapers for easy cleaning.

3



Belt washing spraybar with internal brushes

Efficient and continuous belt cleaning (manual handwheel or automatic motorised spraybar).



RANGE & SELECTION TABLE

The capacity of the Gravity Belt Thickener is determined by the inlet DS concentration and hydraulic flow rate parameters, together with the output DS concentration required. The figures shown below are values for inlet DS % 5 to 10 g/l and an expected output of DS % of 70 g/l. These values can be revised for other parameters – for example – if the inlet DS % is greater than 10 g/l or if the expected output DS % is less than 50 g/l.

Model	Maximum flow capacity (m^3/h)	Belt width (mm)	Active drainage surface (m^2)
15 LD V2	45	1500	5,20
20 LD V2	60	2000	7,00
25 LD V2	75	2500	8,80
30 LD V2	90	3000	10,60
35 LD V2	105	3500	12,40

EMO sas,
4 rue Lépine – PA La Richardière, BP 53209, 35530 Noyal sur Vilaine, France
+ 33 (0)2 99 86 02 03 - emo@emo-france.com
www.emo-france.com
Certification ISO9001 - ISO14001

FABRIQUÉ EN FRANCE · MADE IN FRANCE

A company of SEMOSIA GROUP