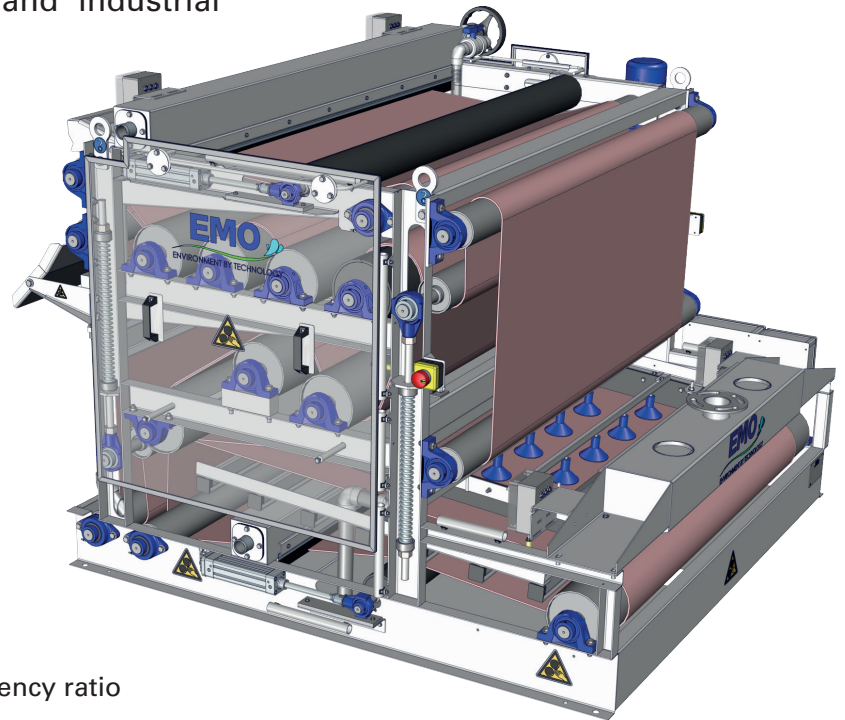




The Belt Filter Press OMEGA 100000 is designed for the continuous mechanical dewatering of sludge from medium and large municipal and industrial water treatment plants.



ADVANTAGES

- Optimum space requirement/efficiency ratio
- Visual control of the sludge during dewatering.
- Arrangement of rollers adjusted for higher performances
- Length of the belts adapted to obtain a gradual pressing of the sludge and a better dryness
- Easy maintenance and supervision



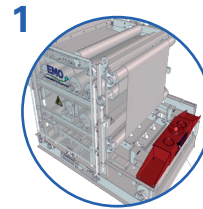


OPERATING PRINCIPLE

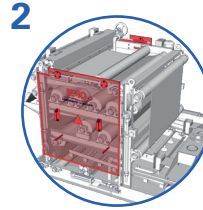
The **flocculated sludge** flows onto the filtering belt and forms grooves at the intersection of the drainage ploughs which increase the efficiency of the **gravity filtration process**.

The water contained in the sludge flows through the mesh of the filtering belt. At the end of the **gravity thickening zone**, a first pressing stage takes place using an adjustable pressing roller. At this stage, the thickening process of the sludge is completed.

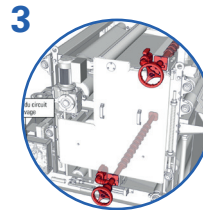
At the convergence of the 2 filtering belts, the **pressing and rolling process** begins using several rollers of different diameters. This allows optimizing dewatering of the sludge while maintaining an **optimal capture rate**. The thickened sludge is scraped off the filtering belt and discharged to a **sludge thickened pump** or a **screw conveyor**.



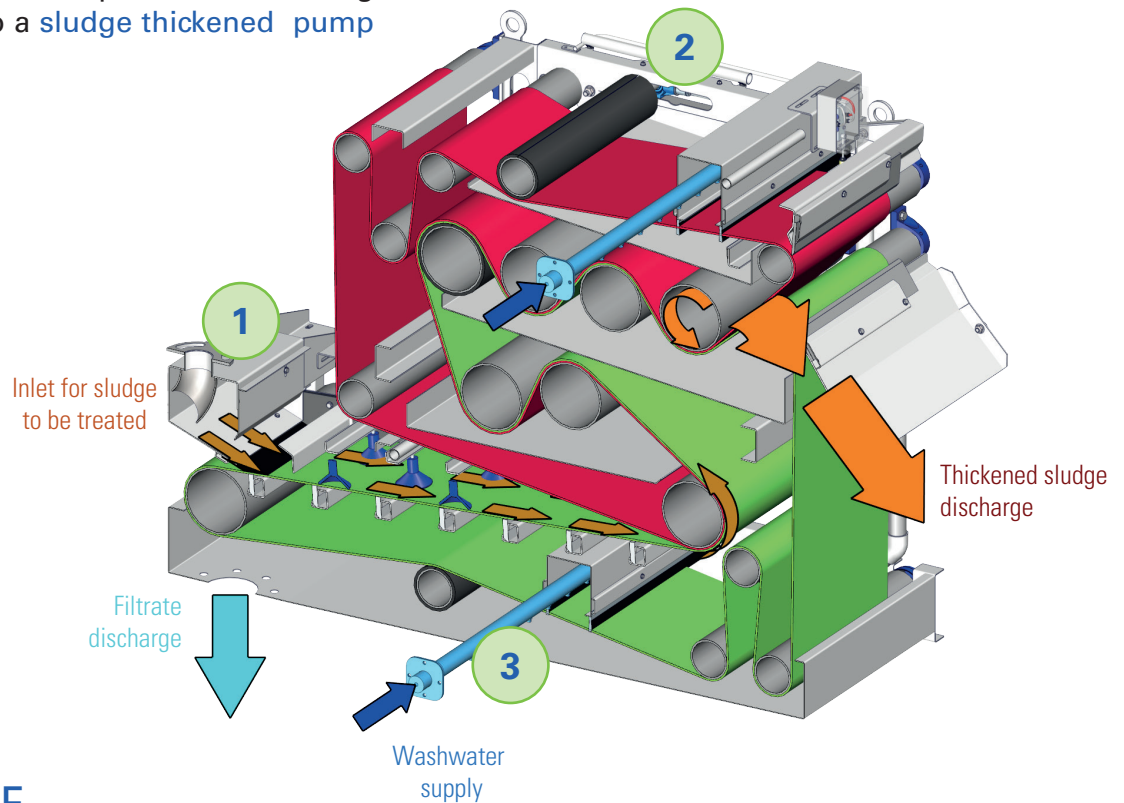
1
A sludge distribution pan
For a uniform distribution of the flocculated sludge on the filtering belt.



2
Protection panels
For the operators safety.



3
Two washing spraybars
For efficient cleaning of the filtering belts and permanent control of water consumption.



RANGE

Model	Maximum flow capacity (m ³ /h)	Belt width (mm)	Active drainage surface (m ²)	Active pressing surface (m ²)
OMEGA 100100	6	1000	1,05	3,80
OMEGA 100150	8	1500	1,80	5,70
OMEGA 100200	12	2000	2,50	7,60