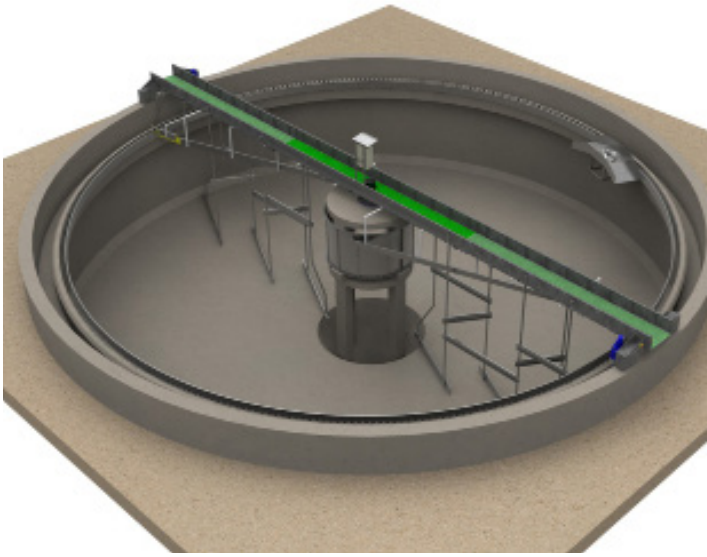
EMO
ENVIRONMENT BY TECHNOLOGY

OMEGA DCB/RCB

Clarifier bridge

Sraper bridges OMEGA DCB/RCB are designed to be installed in any settling tank (primary decanter or secondary decanter) with a circular form.
This technology is used for the treatment of municipal or industrial sludge which hold heavy materials that can be clarified quickly and where it is important to extract continuous sludge.



ADVANTAGES

- Efficient solids removal (continuous scraping)
- Improved water quality (reduction of suspended solids, organic and contaminant matter from the water)
- Cost-effective operation (fully automated process)
- Increased treatment capacity in sedimentation tanks or clarifiers
- Hot dip galvanised support beam (available in stainless steel or aluminium on request)





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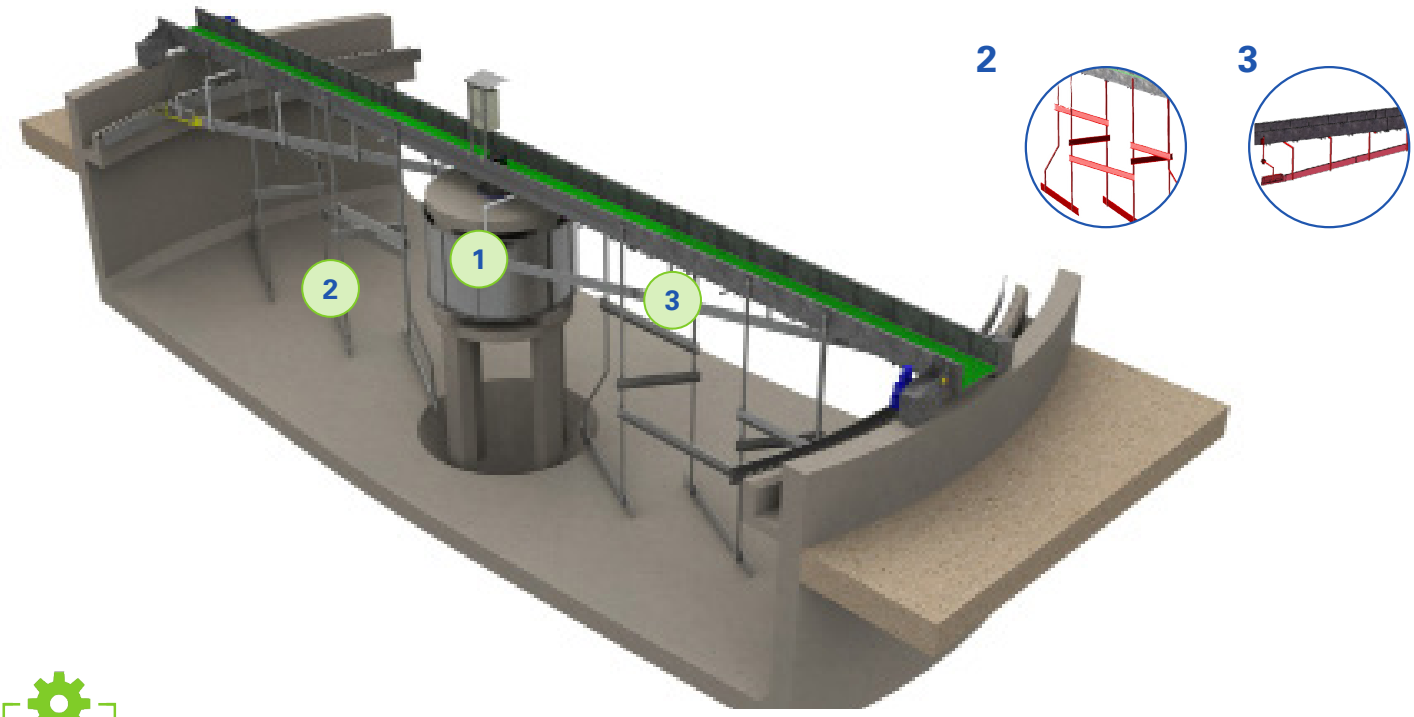
Information: the technical data announced are not contractual and may change at any time.

OPERATING PRINCIPLE

The operating principle of clarifier bridges OMEGA DCB/RCB involves the use of rotating scrapers to remove settled solids from the bottom of a circular sedimentation tank or clarifier.

The effluent is fed from the center by a column in steel on concrete (1). A central rotating mechanism moves the scraper arms in a radial configuration. These scraper arms are equipped with bottom scrapers (2) that collect the settled solids towards a collection pit. The collected solids are then discharged for further processing.

The effluent's circulation from the central rotating system to the outer ring ensure the achievement of a constant and uniform radial flow. The clarified sludge gets out the tank through a v-notched channel.
A surface scraper system (3) makes it possible to collect and evacuate the floating scums.



SELECTION TABLE

Clarifier bridges Omega DCB/RCB from EMO are designed to be used in clarifier tanks from 6 to 35 m of diameter.

Model	6-12	13-18	19-25	26-35
Diameter	6 to 12 m	13 to 18 m	19 to 25 m	26 to 35 m
Diameter central rotating mechanism	2 to 3 m			
Bridge width	800 mm			
Power	0,18 kW	0,25 kW	0,25 kW	0,37 kW



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