

SLG type clarifier

rectangular clarifier for secondary clarification of wastewater

○ urban wastewater



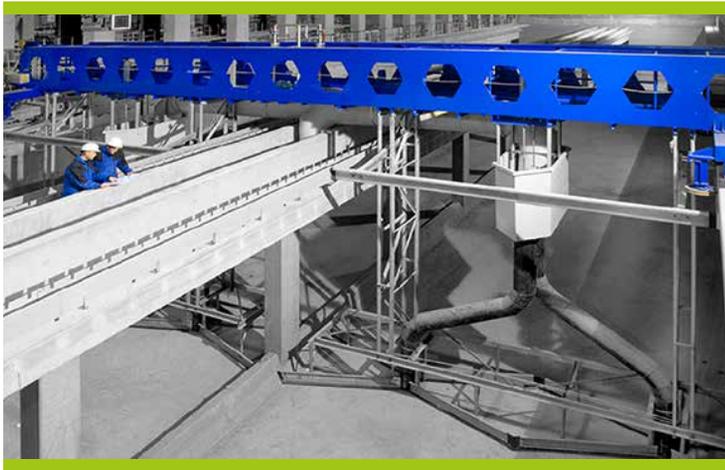
boost your activated sludge treatment efficiency

○ efficiency

suction type clarifier best adapted to biological sludge

○ compactness

optimized rectangular footprint



bottom scraping view with sludge collection by suction tube and sludge box – Milan WWTP (Italy)

key figure

6 to 20 m large

1,2 ou 3 channels depending on width

for each channel: 2 suction tubes,
1 pressure siphon and 1 sludge box



SLG clarifier technology . . .

The SLG rectangular clarifier achieves the settlement and separation of biomass and suspended solids from the treated water. It is a longitudinal flow clarifier with horizontal floors. It operates in conjunction with the aeration tank in the activated sludge process providing secondary treatment.

The scraper mechanism comprises a transverse bridge that automatically travels back and forth. This bridge is equipped with draught tubes. Sludge is extracted using a negative pressure siphon that is mounted on the bridge, and that transfers the sludge from the collection tank to a side channel.

. . . what it can do for you

compactness



- a compact solution, ideal for use where land is at a premium, easier to incorporate into a building



efficiency

- continuous withdrawal and optimized retention time of the biological sludge within the tanks: better quality of biomass reinjected into aeration tanks
- optimized inlet distribution and outlet

ease of maintenance



- the clarifiers are equipped with a travelling bridge in order to handle and maintain the mixers of the anaerobic zone and the surplus and recycled sludge pumps

among our references

Milano San Rocco, Italy
capacity: 1,050,000 PE



Csepel - Budapest, Hungary
capacity: 1,600,000 PE



Alexandria East, Egypt
capacity: 800,000 m³/d

