

SUCTIONSCRAPE ECSS

CIRCULAR SUCTION SCRAPER

PRODUCER

NEOWATER technologies



Circular suction scraper ECSS with dry placed drive unit



Circular suction scraper ECSS with submerged drive unit

OPERATING PRINCIPLE

The ECSS Circular Suction Scraper is designed for continuous removal of sediment in circular mainly secondary sedimentation reservoirs. The suckling pipes (sleeves) are completely placed under the water. The driving unit can be placed on the platform at the edge of the reservoir wall above the water level or submerged on the wall close to the tank bottom. The special designed drive is moving the driving ring, placed on the peripheral wall inside the tank on the brackets. The driving ring moves the suction pipe around the reservoir.

The design allows continuous evacuation of sediments with adjustable rotation speed to guarantee best results of suckling in with low energy consumption and high sludge content.

The suction pipe features a hydrodynamic design for continuous suction. Equipped with strong, durable wheels, it ensures long operational periods without maintenance. Flexible joints between pipe sections can navigate slight curvatures smoothly. Additionally, the scraper's design allows for easy adaptation to existing circular settling tanks.

Optionally, depending on the capacity of the settling tank, the ECSS sludge pump can be offered with a single suction arm.



Circular suction scraper ECSS with dry placed drive unit (single arm option)



Circular suction scraper ECSS with submerged drive unit (single arm option)