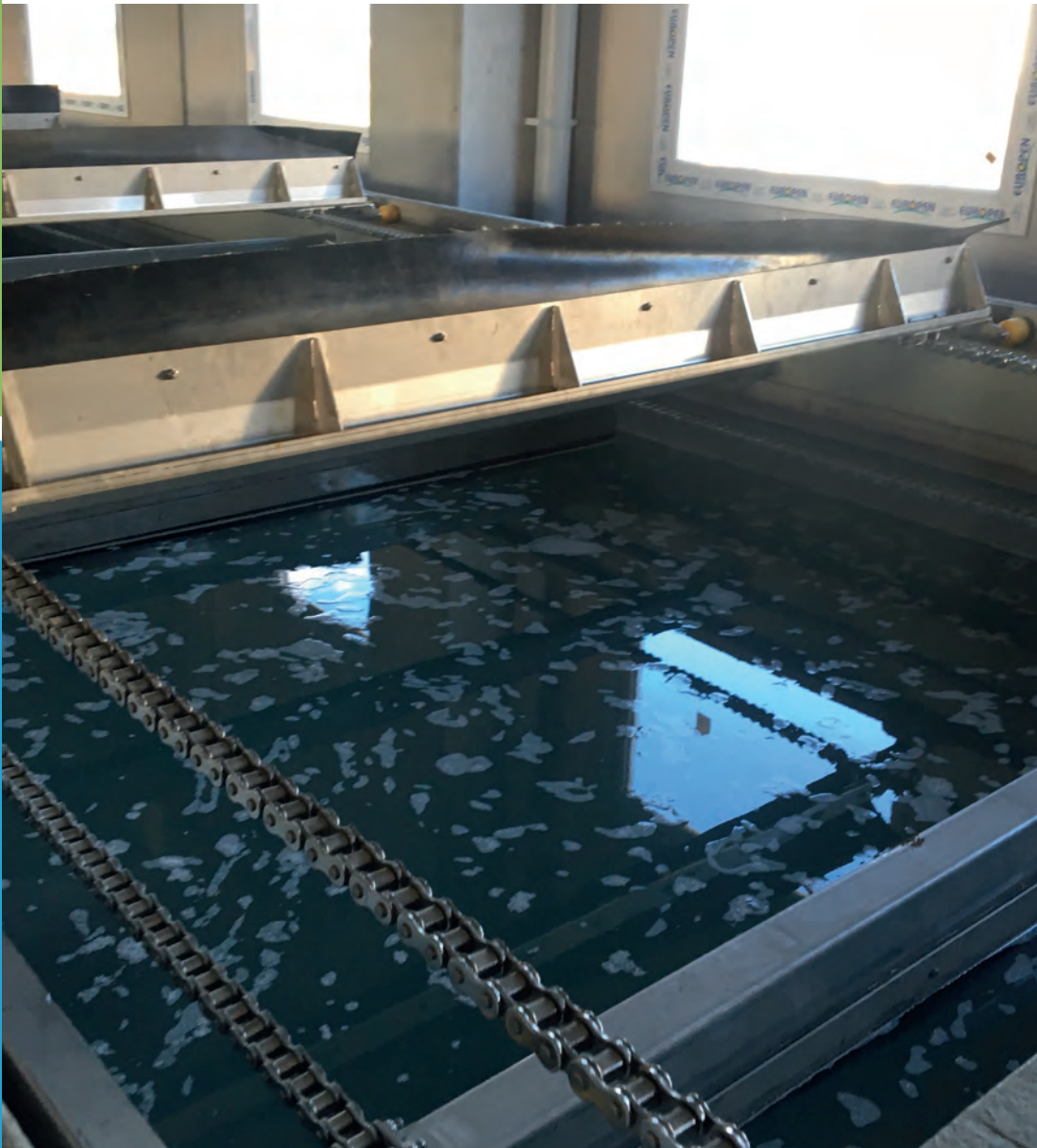




CHAIN PALLET TYPE SCRAPERS



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CHAIN PALLET TYPE SCRAPERS

General Description and Intended Use

It is generally used to remove floating materials (oil, foam, suspended soils etc.) in waste water by moving them away via physical methods. The blockage and breakdowns in the pump, pipe, valves and other equipment are minimized with the segregation of the wastes from the wastewater. Decreases pollution load received by wastewater treatment plant by segregation of the wastes on the surface. It enables economical business by reducing energy amount and chemical material consumption.

Chain pallet type surface scrapers consist of pallet, scraping ramp, collection vessel, drive shaft, idle shaft, ground bedding, gear and chain mechanism and drive group.

Working Principle Of Equipment

Chain pallet type surface scrapers entirely rake the surface of the pool towards one direction by the help of gear and chain mechanism connected to the drive group. Floating solid / liquid materials in waste water are scraped thanks to surface scraping pallets and thrown into the waste container. Oil, floating solids etc surface pollutants that in the waste container are sent to waste storage tank through vent pipe with their own gravitation.



Material Details

- Surface Scraper Pallet: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Waste Container They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Chain: They can be manufactured as S235JR, DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or POM (Polyoxymethylene).
- Chain Bedding: It is manufactured from High Density Polyethylene (UPE 1000).
- Shafts: They can be manufactured as Hot Dipping Galvanized Coating, DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).

"Different materials can be preferred in accordance with the request of the customer."

Accessories

- Automatic Bearing and Chain Lubrication System
- Waste Container Washing System*
- Waste Container*
- Emergency Button*
- Local Power and Control Panel*

* Optional accessories are defined.

Technical Specifications

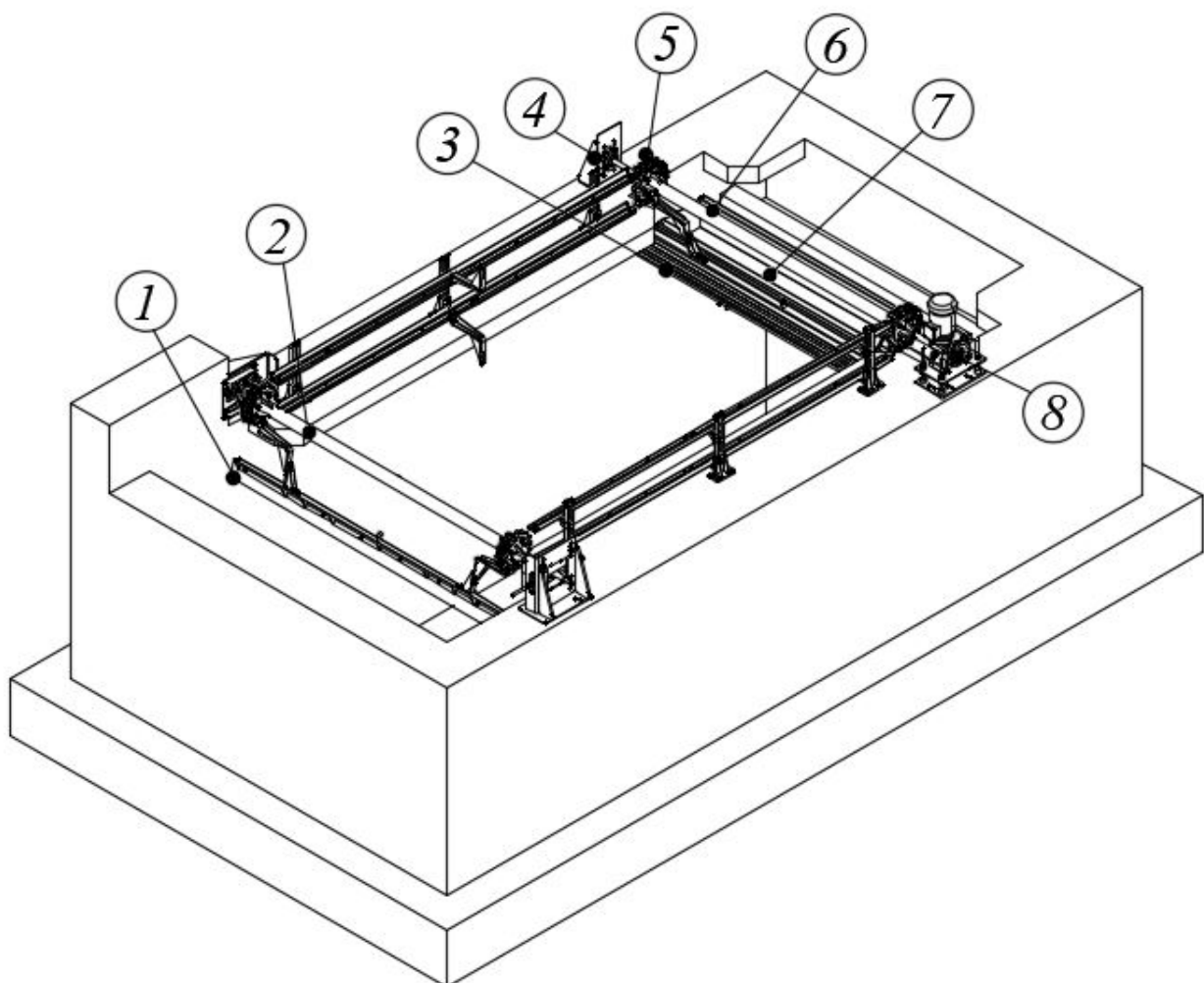
- Pallet type surface scrapers operate at low speed levels.
- Pallet lengths are designed in accordance with inside width of pool.
- Number of pallets in the surface scraper may vary according to place of use.
- Chain pallet type surface scrapers operate by the help of gear and chain mechanism connected to the drive group.
- Thanks to slots placed on bedding plates, operating level of scraping pallet can be adjusted in a way to scrape wastes.



No	Part Name
1	Surface Scraper Pallet
2	Idle Shaft
3	Scraping Ramp
4	Assembly Stand
5	Surface Scraper Gear Group
6	Drive Shaft
7	Waste Container
8	Motor / Reducer

ADVANTAGES

- Fully Automatic Operation,
- High Performance Surface Cleaning,
- Easy to Operate,
- Possibility to Control and Follow the System Operation over SCADA,
- Easy to Maintain and Repair,
- Low Energy Consumption,
- Low Maintenance Costs,
- Easy Transportation and Mounting,
- Long Operation Life,
- Low First Investment Cost.





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