

Grit and Oil separator bridges are process units introduced at the pretreatment stage of wastewater treatment facilities. In large installations these are normally made in longitudinal concrete tanks with inclined walls. Wastewater is aerated and grit and oil are separated from the main stream. A travelling bridge is used to facilitate the removal of accumulated grit oil- grease scum that accumulates on the liquid surface. The removal mechanism for the grit varies as it relates to the tank geometry. Usually, a submersible pump is used that is attached onto the travelling bridge and transfer sediments with liquid into an external channel. Other method of removing sand sediments may be used such as suction hoods with syphon effect or in some cases bottom scrapers. Surface scum is removed by a travelling scraper on the liquid surface and is collected into the scum compartment. The surface scraper is automatically raised above the water level during reverse travelling of the bridge. Travelling bridges design is normally tailored to the requirements of the concrete tank construction.

GRIT AND OIL SEPARATOR BRIDGE



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AREAS OF APPLICATION

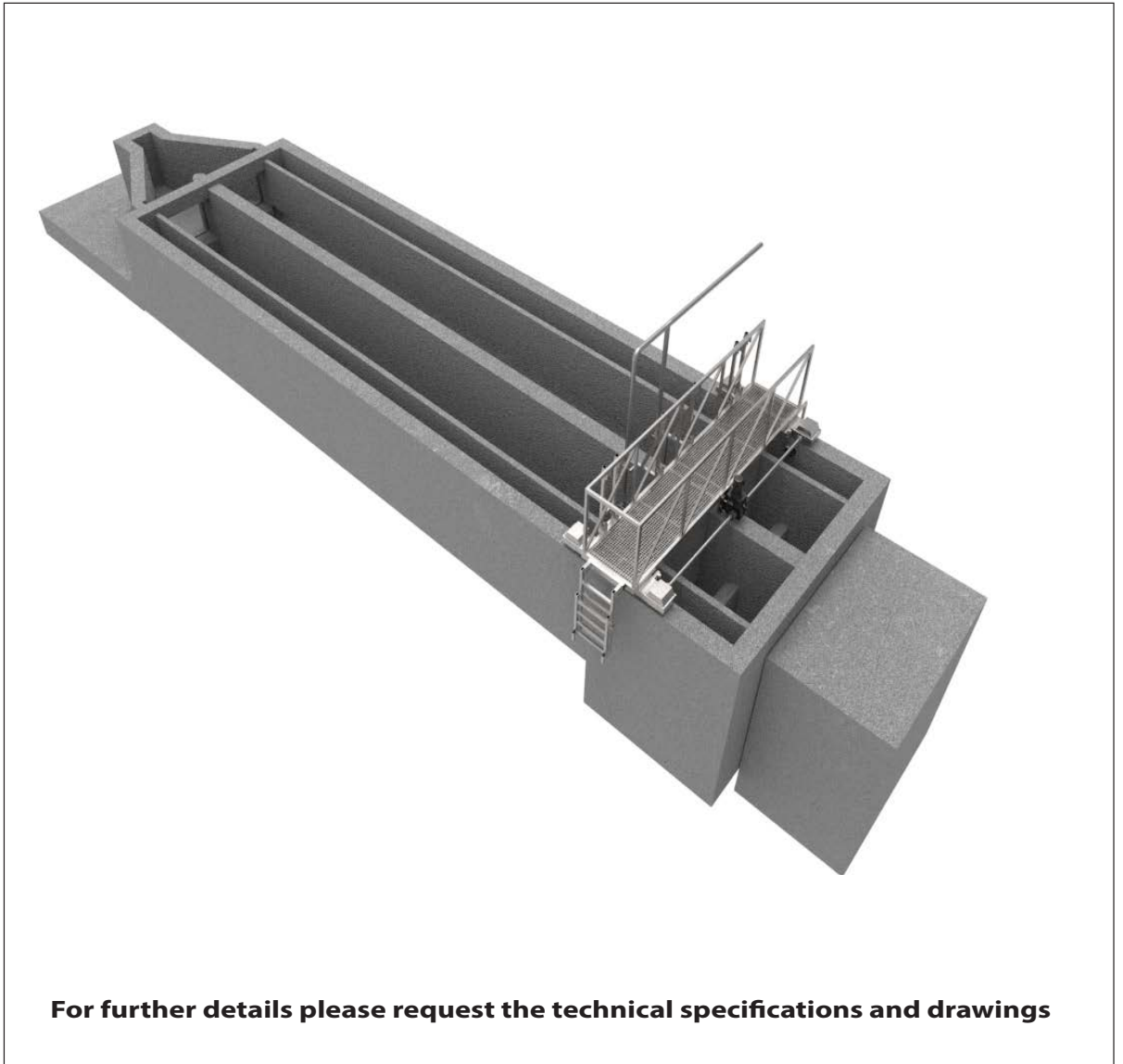
- Water Treatment Plants
- Sewage Treatment Plants
- Industrial Wastewater Treatment Plants

KEY FEATURES

- Robust Construction
- Tailor made design to concrete tank dimensions
- All wetted parts in AISI304 or AISI316
- Adjustable Rotational Speed
- Adjustable bottom and scum scrapers
- Complete with overflow weirs and baffles
- Electronic or mechanical torque protection
- Various Sizes Available

TECHNICAL INFORMATION

TANK LENGTH	Tailored to tank dimensions
TANK WIDTH	Tailored to tank dimensions, twin systems available
TRAVELING SPEED CONTROL	Variable electronic (optional)
CONSTRUCTION MATERIAL BRIDGE	Galvanized or Epoxy Coated Steel, AISI304 or AISI316
CONSTRUCTION MATERIAL WETTED PARTS	Stainless steel AISI304 or AISI316



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