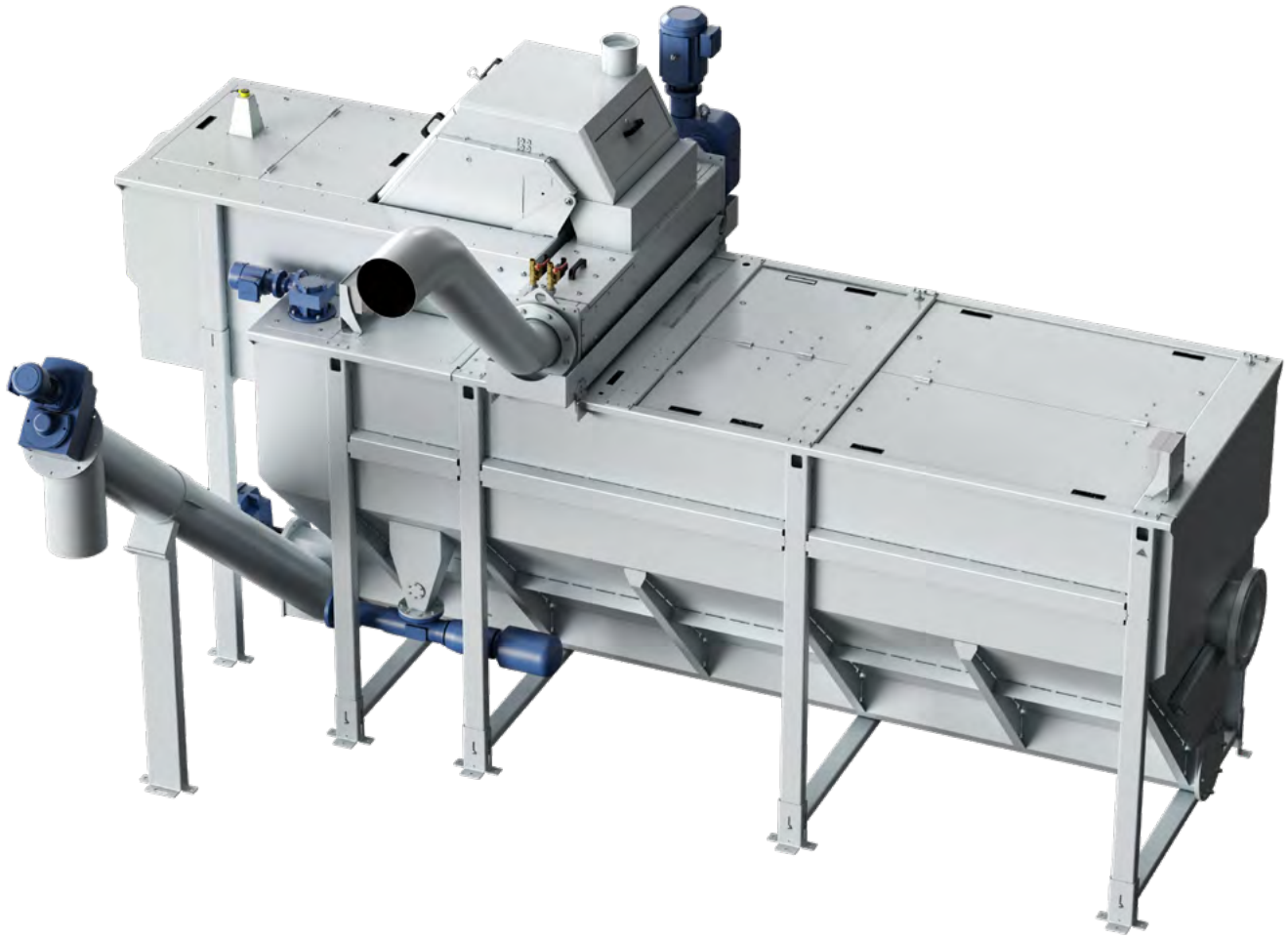
JWC Environmental®
A Sulzer Brand

MUFFIN MONSTER®

MevaScreen® MCU Combi Unit Monster

Combi Unit in Stainless Steel



MevaScreen®
MCU Combi Unit Monster

Area of Use

MevaScreen MCU Combi Unit Monster is used for mechanical pre-treatment at municipal and industrial waste water treatment plants. All treatment steps are integrated in one steel tank. MevaScreen MCU Combi Unit Monster is available in models with capacities from 10 l/s up to 300 l/s. The unit consists of well-known and reliable MevaScreen products such as Rotoscreen Monster, Monoscreen Monster and Screw Wash Press Monster.

The waste water can be fed to the unit either by gravity or by pumping. MevaScreen MCU Combi Unit Monster is suitable for installation indoors as well as outdoors.

Function

Wastewater first passes through a fine screen, where solids are mechanically separated. The captured screenings are then washed, dewatered, and compacted in the screw wash press. The treated screenings are sent to a container via the MevaScreen Counter Pressure Screw Monster or a pipe system. Remaining sand is separated in a sand trap. The unit can also be equipped with an aeration system and a grease-removal scraper. The separated sand is transported by a bottom conveyor to a discharge conveyor or a sand pump.



The robust combi unit can be installed indoors or outdoors



MevaScreen MCU with sand pump combined with the MevaScreen SWA sand washer

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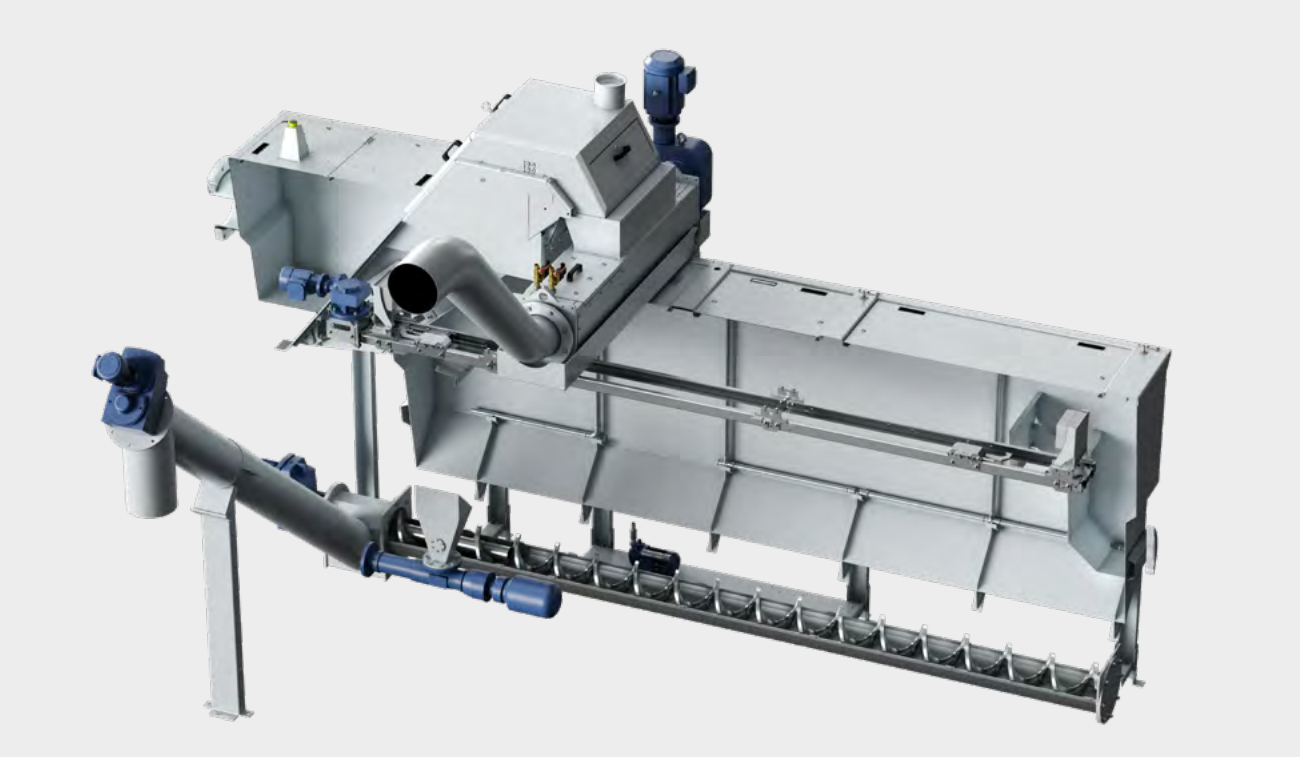
The system operates automatically and is primarily controlled by water level sensors. The grit trap is controlled separately using timers. The screen tank is equipped with an emergency overflow weir to prevent overfilling.

Main areas of use and features:

- Solids separation
- Washing and dewatering
- Sand separation
- Grease separation
- Capacity from 10 L/s to 300 L/s
- High-quality construction for long service life





View of the inside

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