



DeWater® ST Sand and Grit Trap



Industrial Water Treatment Solutions

PEWE is an innovative leading company in the field of industrial water and wastewater treatment systems. **PEWE** offers products worldwide to the Food, Petrochem, Pharma, Metals, Electronics, other industries and Municipal market.



Sand Trap Model ST-1000



PEWE Innovative Quality

The **PEWE DeWater ST-1000 Sand Trap** consists of an auger screw assembly, transport tube, water basin and mechanical drive system. The **ST-1000** is the first step in separating sandy solids out of wastewater stream. The large inlet tank allows water retention time, letting solids settle into the basin. From here the solids are picked up by an auger and dumped. The water as it rises is dumped into a basin to then be transferred out for further processing.

PEWE ST-1000 Design

Its core design integrates a large inlet settling basin that promotes controlled hydraulic retention time, allowing heavier inorganic particles such as sand and grit to naturally settle by gravity. The inclined auger screw assembly is positioned within the collection zone to continuously convey settled solids upward and out of the basin, minimizing re-suspension and maintaining separation efficiency. The transport tube and mechanical drive system are fully enclosed to reduce wear from abrasive materials while also improving operational safety and reducing maintenance exposure.

Auger Settling Separation System

The settled grit is collected by the rotating auger, which lifts and discharges it into a designated collection point for disposal or further handling. Clarified water rises within the tank and overflows into an outlet channel or secondary basin for downstream treatment processes.