

# ROTAMAT®

## Complete Plant Ro 5K



Complete Plant with integrated  
cross-flow lamella separator

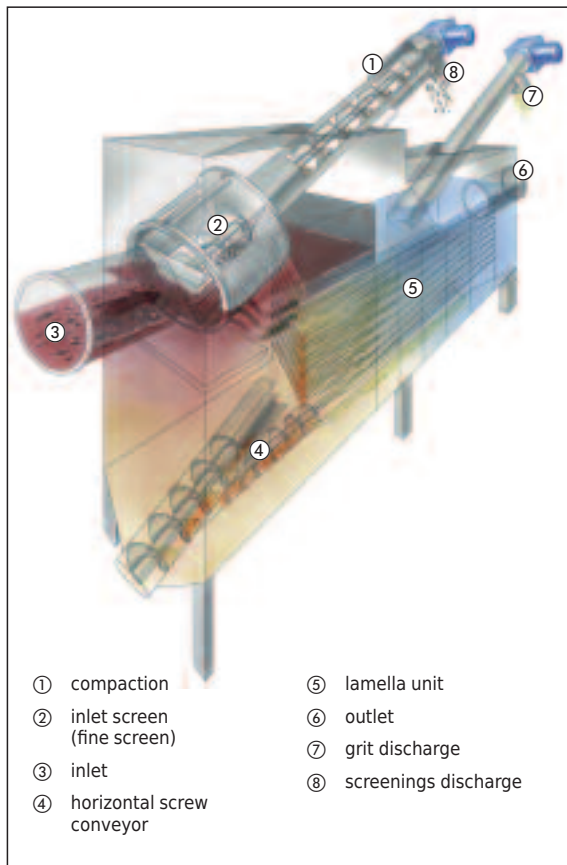
- Well-proven mechanical preliminary treatment equipment
- Highly efficient separation of silty media
- Ideal for industrial applications
- Compact, space-saving unit



## ➤➤ Design and function

The Ro 5K Complete Plant combines wastewater fine screening and cross-flow separation in a very compact, high-performance mechanical preliminary treatment system. The feed flows at first through an inlet screen which separates the solids from the wastewater or process water and washes and compacts the screenings. The wastewater flows then into the grit trap which operates according to the cross-flow lamella principle and combines therefore the benefits of the counter flow and parallel flow principle. It is possible with this compact high-performance separator to achieve maximum separation efficiencies even under non-laminar flow conditions. By applying this separation system the machine length can be nearly halved compared to conventional longitudinal grit traps.

In addition, also the investment costs for buildings, encasings and covers are reduced.



Flow diagram of a Ro 5K unit

## ➤➤ Applications

- Wastewater treatment plants
- Industrial applications
- Solids/liquid separation in general

## ➤➤ The user's benefits

- Complete mechanical preliminary treatment combined in a single unit
- Optional scum separation
- Compact, space-saving unit
- Ideal for process water treatment
- Maximum separation efficiency due to the cross-flow lamella principle
- Completely made of stainless steel
- Maximum corrosion protection through acid treatment in a pickling bath



View onto the cross-flow lamella unit

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Subject to technical modification

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