HUBER Coanda Complete Plant ROTAMAT® Ro5 C

Complete mechanical wastewater treatment for small sewage treatment plants

- Wastewater fine screening
- Grit separation
- Grit classification

A container-mounted ROTAMAT® Micro Strainer removes solid material from the wastewater depending on its bar spacing (e.g. e = 2 mm). Screenings are removed and transported by a screw conveyor. Inside the closed rising pipe, screenings are dewatered and compacted by an integrated press. Subsequently, they are discharged into a container.

The cleaned wastewater flows by gravity into a Coanda circular grit trap. As the Coanda Tulip is fed through a vortex chamber, the wastewater flow gets tangential in addition to a radial flow direction. Air is sucked into the vortex and mixed with the wastewater flow.

The combination of three effects, namely the Coanda effect, the tea-cup effect and the air intake, guarantee that the organic components are kept on the surface and discharged over a weir while the grit settles in the lower trough area. The separated grit is removed through a classifying screw, statically dewatered and discharged into a container.

Benefits

BENEFITS OF THE HUBER COANDA COMPLETE PLANT ROTAMAT® RO5 C

- Complete mechanical pre-treatment by the combination of fine screen, circular grit trap and grit classifier in one compact, encased unit
- Integrated dewatering and compaction of the screenings; option of screenings washing
- Max. throughput 40 l/s
- Fully automatic control
- Completely made of stainless steel, pickled in an acid bath
- Small space requirement
- Option of frost-proof design down to - 25°C

Downloads

Brochure: COANDA Complete Plant Ro 5C [pdf, 172 KB]

Design Sketch

Media

More products of this group: ROTAMAT® Screens

- HUBER Fine Screen ROTAMAT® Ro1
- HUBER Rotary Drum Fine Screen / Perforated Plate Screen - ROTAMAT® Ro2 / RPPS / STAR
- HUBER Micro Strainer ROTAMAT® Ro9
- HUBER Complete Plant ROTAMAT® Ro5
- HUBER Complete Plant Hydro Duct ROTAMAT® Ro5 HD
- HUBER Membrane Screen ROTAMAT® RoMem
- HUBER Pumping Stations Screen ROTAMAT® RoK4

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