

THE ORIGINAL
ROTAMAT®!!!

ROTAMAT®

COANDA Complete Plant Ro 5C



Complete Headworks

- in a single unit
- for up to 0.6 MGD
- made of stainless steel
- pickled in an acid bath for perfect finishing and corrosion protection



►► Requirements

Effective and efficient headworks performance is nowadays required even for small wastewater treatment plants:

- Debris must be effectively and reliably separated and removed; screens with automatic cleaning and discharge are required
- Screenings should be treated for economic and hygienic reasons: Washing out the fecal matter, dewatering and compaction are usually required
- State-of-the-art and automatic grit removal and classifying are also required

Our Complete Plants meet all requirements.

►► Features

Our Coanda Complete Plant Ro 5C is designed for a maximum flow of 400 gpm (25 l/s).

The unit includes a ROTAMAT® Micro Strainer screening debris out of the wastewater (**please see our separate Ro 9 brochure**). The screenings are removed from the screen basket with a brush that is attached to a screw. The screw conveys the screenings through an inclined tube where they are washed (as an option), dewatered and compacted before they are discharged into a container or bagger.

The screened wastewater flows by gravity into the grit trap. As the wastewater enters through a vortex chamber and a COANDA tulip, a rotating radial flow is generated. Air is injected into the vortex and mixed into the wastewater flow. The combination of three effects, namely the COANDA effect, the tea-cup effect and aeration, guarantees excellent separation: Organic components remain in the effluent and flow over a circumferential weir; grit settles into the bottom cone of the grit trap.

Grit is removed through a classifying screw, dewatered and discharged into a container. The screw is shafted and supported with a maintenance-free ceramic bottom bearing.

As an option, grit washing can also be integrated in the grit trap (**please see our separate RoSF 4 brochure**).

►► Benefits

- Complete headworks in a compact, enclosed unit
- small footprint
- fine screen and screenings compaction
- screenings washing (optional)
- grit separation (90 % capture of 75 mesh or 200 micron grit size)
- grit classifying
- grit washing (optional)
- optional frost-protection (down to -25 °C or -13 °F)
- easy planning and design
- easy operation
- low wear and maintenance
- simple and sturdy design
- made of stainless steel for long life
- pickled in an acid bath for perfect finishing and corrosion protection



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Subject to technical modification

ROTAMAT® COANDA
Complete Plant Ro 5C