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## **Operation Description**

### **1) Pretreatment (by others)**

- For most applications a primary sedimentation basin is required to remove solids before entering the Aqua BioMax unit
- If a septic tank or Imhoff Tank is used for primary sedimentation, this basin can act as both a primary clarifier and anaerobic digester

### **2) Rotating Biological Contactor (RBC)**

- Attached growth process that rotates the biomass in and out of the wastewater to provide aeration
- Solids grow on biodisks and slough off

### **3) Cloth Media Drum Filter**

- Filters biological solids
- Backwashed based on level; backwash returned to primary sedimentation basin
- Available with any OptiFiber® cloth filtration media

## **Standard Scope of Supply**

- Painted steel tank(s)
- Modular fiberglass reinforced plastic (FRP) or aluminum cover(s)
- Isotactic polypropylene discs with stainless steel shaft
- 1–2 hp gear reducer
- 304 Stainless steel drum with cloth filtration media
- Backwash shoe and 1 hp backwash pump(s)
- Level sensors
- IP55 control panel with disconnect, transformer, starters, level relays, relays, selector switches, and pilot lights