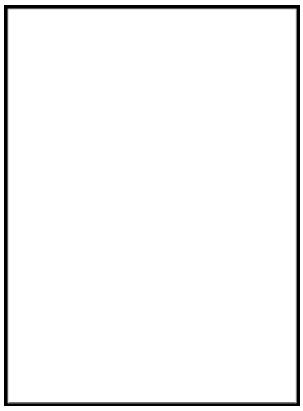
Effects of pressure on aerobic biological wastewater treatment using rotating biological contactors

- - Rotating Biological Contactor (RBC)



Description: -
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The equation under section C.

Biological Treatment

Wastewater temperatures above 55°F have a minimal effect on organic removal and nitrification rates; however, below 55°F, manufacturers shall be contacted to obtain the various correction factors that must be utilized to determine the needed additional media surface area. As the RBC media is immersed beyond about 60% in the wastewater, a portion of the media surface area is rotated through the air and a substantial portion of the media is constantly submerged in the wastewater. .

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A comprehensive on-site pilot plant evaluation is recommended to incorporate the factors affecting RBC performance as an accurate source of information for a. It has been common to drive the contactors by use of a motor, usually electric, connected through a reduction gearing to the horizontal shaft upon which the contactor rotates. Thus, the present invention discloses a rotating biological contactor apparatus which is designed for economical, deeply submerged operation on the order from 70-100%.

Secondary Biological Wastewater Treatment Process and Systems

Description This invention relates to the biological treatment of wastewater, and more particularly to an improved form of rotating biological contactor. Vectors need to be identified that can deliver these genes with minimal side effects and maximal efficiency. The removal of nitrogen which is mostly present as ammonia by nitrification and subsequent denitrification is also high, because both aerobic nitrifying bacteria and anaerobic denitrifying bacteria can simultaneously live in the attached biofilm.

An integrated rotating biological contactor and membrane separation process for domestic wastewater treatment

OF WI reassignment REXNORD INC. Methods Chemical oxygen demand COD and total petroleum hydrocarbon TPH as factors of Biodegradability has been evaluated. Rotating Biological Contactor RBC System The construction of an RBC consists of a series of plastic discs, the media, mounted on a drive shaft that is contained in a tank or trough.

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