



INWATECH

Környezetvédelmi Kft.

Leading technologies for the environment



ContiSeq™

ADVANCED WASTEWATER TREATMENT

ContiSeq™ is the latest evolution of well-known cyclic aerobic activated sludge wastewater treatment processes. The treatment technology is state-of-the-art. It uses proven equipment components and comes with an innovative process control system. ContiSeq™ is an ideal technology well-suited for domestic and industrial wastewater treatment applications; as main or post treatment.

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TECHNOLOGICAL FEATURES

ContiSeq™ is a generic cyclic technology with some unique features:

- *a constant water level, plug flow-contactor tank at the inlet;*
- *a variable level captor zone; and*
- *SPAC® Substrate-Proportional Aeration Control, as part of the overall process control system.*



ADVANTAGES OVER OTHER CYCLIC TECHNOLOGIES

ContiSeq™ deploys the all latest technological developments on Cyclic System's:

- *very robust and flexible process resistant to fluctuating flows and loads;*
- *continuous influent, allows a well-functioning CONTACTOR zone, for outstanding biomass selection and better sludge sedimentation;*
- *the CAPTOR zone captures the flow entered during sedimentation and clear water decanting. Only well-conditioned MLSS reaches the main REACTOR zone;*
- *the water level variation of the main REACTOR zone is reduced, therefore saving volume and energy;*
- *unique smart process control, with automatic reactions in emergency, including the SPAC system which automatically adjusts the aeration time to variations of the inlet loading;*
- *ContiSeq™ can also be designed as a single tank system; no equalisation basins needed;*
- *simple rectangular, or other shaped tanks of less volume;*
- *better N removal and unique high biological P removal due to improved filling/aeration regime;*
- *very simple mechanical units, low rate of wear and tear; and*
- *extreme low energy demand.*

APPLICATION

ContiSeq™ is available from small, pre-manufactured containerised layouts for camps, and small villages, to large scale wastewater treatment plants in cities. It is tailor-designed for each individual application which considers; climate, wastewater characteristics, and level of operational safety. ContiSeq is the most economic choice for highest level biological treatment of domestic wastewater and industrial effluents.



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