



AMBR MEMBRANE BIOREACTOR NEWS

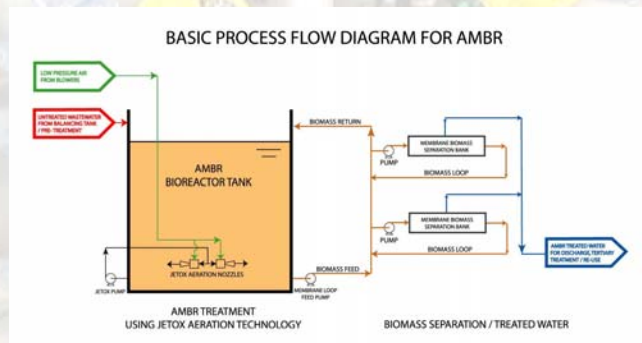
Aquabio's 'Turnkey' DAF/MBR for UK Food Processing Plant

Aquabio has designed and built another turnkey membrane bioreactor plant (AMBR) in the food and drinks industry. This plant, at a sauce and syrup manufacturer, consolidates Aquabio's current position as market leader in the provision of MBR systems to this sector in the UK.

The DAF/AMBR process replaces a redundant upflow anaerobic filter installation and includes a 12m³/hr chemical treatment / dissolved air flotation system for pre-treatment before a new 1,000m³ AMBR bioreactor. The complete plant is designed to treat up to 200m³/day of wastewater at an incoming daily average COD concentration of 10,000mg/l. The system includes proprietary JETOX aeration and mixing technology in an 8 metre deep stainless steel bioreactor, which can operate at mixed liquor levels up to 20,000mg/l. The AMBR crossflow ultrafiltration biomass separation system includes two banks of membrane modules which are fully automated for flushing and cleaning. Aquabio have also installed a fully integrated PROFIBUS/ASI field bus wiring and control system through an integrated Siemens PLC and local operator interface. The control panel and fieldbus system was designed and installed by Aquabio's associated electrical specialist, Automation and Control Limited also based in Worcester.



PROFIBUS and ASI integrated fieldbus control



For further information about this, and other, AMBR systems and other products and processes, please contact us at Aquabio Limited, Worcester, UK, either by e-mail or fax.

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