Empresa General Valenciana del Agua, S.A. (EGEVASA) awards Surcis the acquisition of a double reactor respirometer model BM-EVO2

Multipurpose Respirometry System BM-EVO2

Empresa General Valenciana del Agua, S.A. - EGEVASA - with public-private participation by the Provincial Council of Valencia and the Global Omnium business group, has awarded Surcis, S.L. the acquisition of the BM-EVO2 Multifunction Respirometry System, with double reactor.

The BM-EVO2 system will be destined to the Central Laboratory of the R + D + i Group corresponding to the Wastewater area, from where a large part of the projects, both national and international, that the business group leads, such as LIFE Ecodigestion 2.0 or LIFE Waste2Coag, among others, are coordinated and executed.

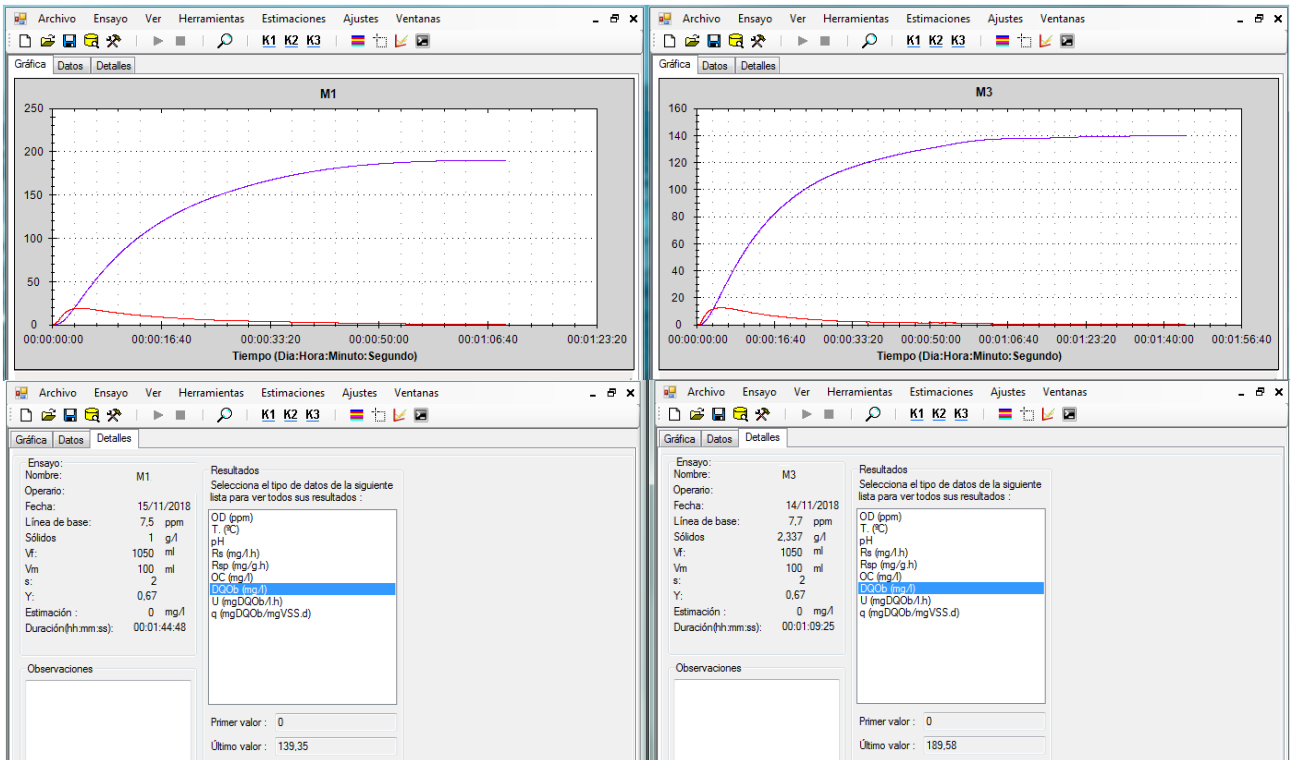
The respirometer will be mainly dedicated to evaluating the state of the biomass of the WWTPs that explode in the Group, evaluating the toxicity related to the biological activity of the sludge and its possible causes, fractionation of COD and biodegradability of the wastewater, nitrification rate (AUR), oxygen requirements in biological treatment, denitrification rate (NUR), determination of kinetic constants for WWTP simulation software and in general, for the optimization of WWTP operation, among many others. In addition, the respirometer will be used as a research instrument for the numerous R+D+i projects that are currently being executed.

The most important points for the decision to acquire the BM-EVO2 have been the fact that the BM-EVO2 respirometer is equipped with two reactors and its special flexibility to undertake different types of applications.

BM-EVO2

Together with the BM-Advance2 model, the BM-EVO2 is the only respirometer on the market with two isolated reactors that can operate simultaneously with three different types of working modes (OUR, Cyclic and dynamic R), with programmable automatic control of temperature, oxygen and sample volumes, and to which two reactors for biomass carriers of moving bed processes can also be adapted.

The BM-EVO2 works with two programs loaded on a single computer.
It is equipped with a specific adaptation so that the Respirograms of the different measurements that are carried out in each reactor can be generated automatically.
This software also supports the possibility of viewing respirograms and results in real time for comparison and visualization of several screens of tests executed graphically and tabularly.



Simultaneous Rs and bCOD respirograms and results from each reactor of the BM-EVO2

With this award, Surcis continues to confirm its consolidation as a benchmark company in laboratory respirometry equipment in the important water groups of Spain and with a progressive expansion of its references nationally and internationally.

SURCIS S.L.