

Water treatment plant

Water filtration at clarifier outlet for UV system protection

Site

Wastewater treatment plant of Montmorot, France

Context

The Espace Communautaire Lons Agglomération (ECLA) is a French agglomeration community, located in the Jura department in the Bourgogne-Franche-Comté region. The territory is composed of 12 different sanitation systems. Among them, the so-called Vallière system collects wastewater from eight municipalities and transports it to the Montmorot wastewater treatment plant (STEP). The plant treats the wastewater of more than 40,000 inhabitants of ECLA with between 15,000 and 20,000 m² of treated water per day.



STEP Montmorot – ECLA Jura

Description of the issue and the solution

The treatment plant was using 2 screen filters at the clarifier outlet for the protection of UV lamp, washing nozzles and heat pump. The system was frequently clogged and the filters had to be cleaned several times a day by the operators.

The system was replaced with an automatic BOLLFILTER Type 6.18 allowing continuous filtration while providing backwash depending on the pressure difference between the filter inlet and outlet.

Avantages and benefits for the customer

Water quality has been significantly improved thanks to the performance of the 6.18 filter and maintenance operations must now be carried out once a year as opposed to several times a day previously. The installation of our equipment has resulted in a reduction in maintenance time and costs and better working conditions for the end operators.

Testimonial

Pierre-Olivier Rodot, employee of the Montmorot wastewater treatment plant: "*The filter has been working perfectly for several months, we have a better quality of water at the outlet and no more daily maintenance operations to carry out*".

System

1 x BOLLFILTER Type 6.18 GR 100 DN80

Filter Fineness: 100 microns

Flow rate: 50 m³/hour

Operationg pressure: 3 bar



BOLLFILTER Automatic Filter Type 6.18