

DAF Wastewater Treatment System

10 m³/h (44 usgpm) capacity



ALPHA 10 DAF and Pipe Flocculator



H2Flow PLC with HMI display

Case Study Details

Tasty Selections is a manufacturer of high-quality frozen bakery products. They include many favorite items like muffins and cakes. Due to higher production demands and stricter effluent regulations, a wastewater treatment system was required to meet the municipal limits.

Dissolved Air Flotation (DAF) Technology was chosen for Tasty Selections because it can remove 90-95% of Suspended Solids, Insoluble BOD, and Fats Oils and Grease (FOGs). Depending on the client's needs, an H2Flow DAF can meet effluent standards with a small footprint and reasonable cost.

H2Flow provided the complete system: an Alpha 10 DAF with two feed pumps, pipe flocculator, and a sludge pump; an Equalization tank with level control and a mixing pump; a Chemical Feed System complete with pH control and a polymer makedown unit; and an operator-friendly PLC control panel.

The equipment was installed by Proxima Ltd., and the successful start-up was completed by H2Flow Inc. in January 2018.