

CIP Effluent Variable Flow

Industry: Food & Beverage
Client: Global Manufacturer
Department: Engineering
Project: Variable Flow CIP

This project from a global soft drinks manufacturer was to provide a fully BMS integrated, autonomous, skid mounted twin pump unit capable of handling variable flows of sugary water, high temperature CIP effluents and the occasional bottle cap. The effluent was to be collected from a 3m deep sump and on to the sites main effluent plant 200m away.



The challenge was finding a reliable level monitoring system and pumps that could meet the criteria, but also comply with extensive site specifications.



Our solution was a twin Mono progressive cavity unit with seal flushing, controlled by a Vega radar level sensor. All component parts in 316 stainless steel. The sensor, via our control panel allows for duty rotation and parallel variable speed starts and stops depending on the current flow rate.

The unit and components were selected, designed, constructed, installed and commissioned by our trained engineers.

**SITE INSTALLATION | DESIGN | PIPEWORK
FABRICATION | SENSORS | MANIFOLDS
CONTROLS | HYGEINIC | RAMS | H&S**