



**Puresep chosen by Universal Beverages Limited to provide
State of the art filtration and water treatment plant solutions**

Universal Beverages Limited have chosen Herefordshire based Puresep as their key partner in providing top of the range filtration and water treatment plant. UBL commissioned Puresep to provide two PureFlow™ Crossflow systems as well as a range of water treatment solutions to facilitate their production plant requirements.

The PureFlow™ Crossflow system, used for product clarification following fermentation, boasts high performance and productivity through quality design and engineering along with maximum filtration efficiency. The system is made of stainless steel, ensuring a long service life as well as preventing odour pickup and adverse taste. It utilises high quality 0.2 micron membranes, ensuring exceptional product clarity. The system is fully integrated and automated with a self cleaning facility that requires no operator intervention. It is scalable to suit production requirements.

The Puresep Water treatment plant boasts cost effective and efficient water supply for process, product and CIP use across the plant.

A duplex ion exchange softener system is used to remove scale forming salts such as calcium and magnesium from the incoming water. The softeners operate on an 'on demand' basis and automatically regenerate when the set volume of water has passed. Whilst one softener unit is in regeneration the second unit is brought online.

The Triplex Granular Activated Carbon filters are in place to remove chlorine from the incoming water supply down to very low levels. The carbon filter vessels also operate on an "on demand" basis and each will backwash on manual initiation.

A PureChlor Chlorine Dioxide system was installed to ensure sterility to softened water for CIP applications and for treating the carbon filtered water for process applications. This is an effective and efficient way of generating Chlorine Dioxide, with a central PLC control system it is fully automated. The PureChlor system is fully scalable allowing multiple points of use across a site.

Chris Newall, Operations Director of UBL says: ***"Puresep were chosen due to the technical solutions they bring, their attention to detail and their after sales service. Supplying both filtration and water treatment solutions shows their capability and strength in providing bespoke systems across a whole plant"***

