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Advanced reverse osmosis (RO) water purification systems from SUEZ deliver a variety of benefits to breweries, helping to improve the quality and flavour of their beers whilst cutting costs and ensuring optimum machine uptime.

Critical to the brewing process is the quality of ingredients that are used. In particular, raw materials such as water are key to ensuring that each beer produced is clearly differentiated in terms of flavour.

Purified water is used throughout the brewing process, being heated and added to the ground malt barley, or grist, and then again when the wort is drained and sparged, prior to the addition of hops and other ingredients. An effective water purification system is therefore essential to maintain product quality and flavour. Thanks to the reliable Elite Plus range of reverse osmosis units, meeting high water purity demand has never been easier or more cost-effective for breweries. The units incorporate semi-permeable membranes through which pressurised feed water is passed to remove up to 98% of inorganic ions and 99% of dissolved organic contaminants.

The Elite Plus range can provide permeate outputs from 750- 10,000 l/hr. To maximise the operating life of the RO

unit and ensure consistent water quality, the RO units will require a dechlorinated, softened and filtered feed water supply.

This effective water purification solution, which provides consistent and high purity water on demand, is especially useful for lagers and ales that consist of more delicate flavours, where purified water is even more important because it has far less impact on taste.

Due to its high levels of efficiency, the Elite Plus enables breweries to reduce the number of consumable items normally used in the water purification process, resulting in lower operating costs and therefore a competitive advantage.

Further to this, an in-built automatic alarm system constantly monitors quality of the purified water to prevent any adverse effects on the taste of the beer. In the event of a reduction in water quality a notification is sent to alert users.



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