



Guinness chooses Spirax Sarco Clean Steam Generator as a matter of taste

Spirax Sarco's Clean Steam Generator (CSG) is helping Guinness meet strict quality and flavour guidelines for the production of beer at its Kilkenny plant in Ireland. Guinness uses clean steam for keg sterilization to guarantee that the taste of the beer is not affected by any water treatment chemicals normally present in plant steam.

The 5,500kg/hr Clean Steam Generator uses the existing plant steam supply to provide clean steam at 3 bar g to sterilize the kegs at 115°C for 30 seconds, as well as sterilizing carbon filters on the demineralization plant to 120°C to remove chlorine from the CSG feedwater.

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The Clean Steam Generator was selected as part of a turnkey installation designed and installed with GEA Tuchenhausen of Dublin, which had overall project management. Comprising a full range of pressure controls, blowdown and level controls, condensate removal and steam conditioning equipment in a complete package, the CSG provides a completely matched clean steam system with all components designed, built and tested by the same manufacturer.

Manufactured from 316L stainless steel, the CSG is ensuring high steam quality by completely removing traces of water treatment chemicals or suspended solids.

With the installation of the Clean Steam Generator, the quality of the beer brewed by Guinness in Kilkenny is assured. "With thousands of kegs of beer being brewed every day, we need to strive for the highest standards of quality and flavour during production," says Mr. Denis Barry, Chief Engineer at Guinness. "Using Spirax Sarco's Clean Steam Generator has provided us with a cost effective and highly efficient means of meeting these standards."

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