

Customer:

Dewsbury STW - Wash water Booster Set Upgrades

Background:

Site operatives were frequently required to perform manual interventions, leading to increasingly regular and disruptive out-of-hours call-outs. These interventions stemmed directly from recurring filter blockages, which caused critical process issues, including low flow rates and insufficient pressure. This core issue created a domino effect across the site, notably causing downstream spray nozzles to block, necessitating additional, time-consuming manual unblocking efforts and further impacting productivity.

The Service Solution

The BFUK service team implemented a multi-faceted solution to resolve the on-site filtration issues. A full inspection and mechanical overhaul of the automatic filter was conducted. Crucially, BFUK guided the site to transition from a reactive 'run-to-fail' approach to a structured preventative maintenance mindset, establishing a proactive maintenance schedule aimed at significantly reducing unplanned downtime events. For filter media management, an efficient candle cleaning strategy was implemented using a rotational 'swing set' system. This approach involves having a spare set of filter candles; while one set is operational, the used set is sent for professional off-site cleaning, thorough inspection, and performance grading by BFUK specialists. This rotation ensures candles are maintained to the highest standard and allows for quick exchanges, minimizing operational downtime on site.



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Results & Benefits To The Customer:

Following the solution implemented by the Bollfilter UK service team, the customer realised significant operational improvements and benefits:

- System downtime was heavily reduced, leading to increased productivity and availability. The performance of downstream equipment saw great improvement, notably reducing operational stress on pumps and allowing for increased pump efficiency. Furthermore, the previously problematic spray nozzles are now effectively protected from blockages.
- A critical outcome was the increased efficiency of the inlet screens, which are now being washed down effectively thanks to the upgrades. As the crucial first stage in the treatment process, ensuring the inlet screens operate at full efficiency significantly reduces stress and improves performance across all subsequent downstream processes, leading to a more stable and efficient overall operation.

Bollfilter UK offer bespoke service plans that are tailored to suit the specific needs and budgets of our customers. Find out how a proactive maintenance plan can ensure your system runs at maximum efficiency.

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Fouled Candles Removed From Filter



Clean candle set ready to install