



High Resilience for Low Flow Intake

Water company finds the answer to large solids/low flows, typical of small sewage works

Overview

Material: Sewage
Site: Small Wastewater treatment works
Flow rate: Down to 12 l/m (max 108 l/m)
Solids passage: Up to 50mm

Problem

Small treatment works struggle to pump combined sewer intakes: small pumps block, large ones burn out.

- Large solids and grit
- Variable flow-rate, down to 12 l/min
- Blockages
- High maintenance

Solution

- A completely different pump - new thinking on old problems
- Dry-sited instead of submerged
- Pump passes rag, grit, and solids
- Can safely run dry

Results

- Easier, faster, safer inspections - no confined space, over water, or ATEX zone working
- Low risk of blockage - and reverse-to-clear option if it does
- Minimal energy use, and low wear = high resilience, low OPEX

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