

Application Report - No.23

Overpumping



Bristol Water needed to pump 28 million litres of water 2.5 miles from Axbridge Reservoir to Cheddar, Somerset to provide drinking water due to low rain water flows over the summer period.

Selwood helped successfully re-design the over pumping requirements along with a Senior Engineer at Bristol Water to provide a problem free hire.

Selwood was successful in the removal of two competitor's pumps because their design team did not have the experience or technical knowledge to provide the required flow rates. Not only did the pumps fail to deliver the required flow rates but also both discharge lines collapsed due to the non provision of inline air valves.

The Selwood S300 12" Super Silent Pump ran for 30 hours without any issues and even exceeded the required performance flows.

Bristol Water's Senior Engineer acknowledge that he was so impressed by the professionalism of Selwood in this application and that he intends to use Selwood for similar work in the future.



HEAD OFFICE
Selwood Group Limited
Bournemouth Road
Chandler's Ford
Hampshire S053 3ZL



	S300
Power Requirement	80kW
Pump Speed	1500rpm
Capacity	1100m ³ /h
Suction Lift	9.1m
Solids Size	100mm
Air Handling	24 l/s
Inlet / Outlet Port	300mm
Delivery Head	39m
db (A) at 7m	64