



ELIQUO | HYDROK

Screening



Screens for Combined Sewer Overflows and Snails



Screening Technologies

THE TREATMENT OF WATER DISCHARGING FROM SEWERS INTO OUR RIVERS HAS BEEN AND CONTINUES TO BE A LARGE INVESTMENT FOR ALL UK WATER COMPANIES. ELIQUO HYDROK HAVE INVESTED IN THE DEVELOPMENT OF WELL PROVEN WEDGE WIRE SCREENING TECHNOLOGY AND HAVE SUPPORTED THE UK WATER COMPANIES IN THE DESIGN AND INSTALLATIONS OF RELIABLE, COST EFFECTIVE AND LOW MAINTENANCE SCREENING SOLUTIONS

PEAK SCREENS

The Eliquo Hydrok Peak Screen system is a static CSO screen that utilises patented 6mm x 6mm profile wedge wire providing effective screening solutions for many applications including CSO chambers, Storm storage tanks and Pump chambers.



MECMEX SCREENS

The Eliquo Hydrok MecMex is a mechanically self-cleaned storm overflow screen, it has been developed to be located into CSO applications to retain all solids greater than 6mm x 6mm in two dimensions, to help prevent flooding within the sewer network and with overflow weirs, allow discharge at strategic points within the system to the watercourse.



MECMEX LIFTING SYSTEM

The Eliquo Hydrok MecMex lifting system is designed to eliminate the need for operation and maintenance teams to enter hazardous underground areas to carry out routine inspection and maintenance of the MecMex CSO screens.

The design was developed during consideration of the Construction Design Management (CDM) regulations regarding the health and safety issues of working underground.



LETTERBOX SCREENS

The Eliquo Hydrok Letterbox Screen is designed for use in confined spaces where larger STATIC CSOs are not suitable and are a standard modular panel size which can be replicated to suit flow requirement - all are a standard 505mm wide by 1000mm modular unit. The Letterbox Screen is suitable for rectangular or circular chambers and is delivered as a self-assembly flat pack for self-installation or the Eliquo Hydrok engineering team could complete the installation as required.



SNAILSCREENS

Sewage Snails are becoming a major nuisance in the Wastewater Treatment process creating serious operational problems downstream within aeration basins and secondary clarifiers. The Eliquo Hydrok Snail Separator Screen utilises a specifically designed adaption of our wedge wire technology in a 3mm version to create screening drums set within stainless steel 'vortex' chamber. The chambers are then used to separate the snails and their shells out of the flows collected within a 'snail screen sump'.



SUDSCREENS

The SUDScreen technology offers a highly efficient separation of settleable solids and capture of floatable material from storm water entering a SuDS storage system. When installed upstream of any SuDS system, the SUDScreen unit protects the receiving system from fine solids and debris that would otherwise accumulate overtime, rendering the installed SuDS system non-operational. The addition of the SUDScreen provides protection of the receiving water course from exposure to pollutants, protection of the storage system from sedimentation and protection of the installed flow control device from potential debris blockage..





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